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The ✓ tick indicates that
the item is available in stock.

The number indicated under the box
refers to the pack size.

NEW

Brand new item.

CE

Electric components are in **compliance with applicable Directives.**

Ex

Components are in **compliance with Directive 94/9/CE (ATEX).**

PED

Components are in **compliance with Directive 97/23/(CE).**

All our components are in compliance with Directive 2011/65/CE (RoHS)

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RDY -90° CHEMICAL METERING VALVE

P/N	Couplings	Hose barb		Casing colour	Weight			
		mm	in		gr	oz		
29.0954.00	1/4 Bsp MM	7	0,28	Black	209	7,37	10	✓
29.0954.15	1/4 Bsp MM	7	0,28	Red	210	7,47	10	
29.0960.00	1/4 Bsp MM	-	-	Black	160	5,64	10	✓

Rated Pressure	28 bar - 2,8 MPa	400 psi
Permissible Pressure	30 bar - 3 MPa	435 psi
Rated Flow	10 l/min	2,6 USGpm
Rated Temperature	40 °C	105 °F
Panel fitting	17 mm	3/4 in

RD5 - CHEMICAL METERING VALVE

P/N	Couplings	Hose barb		Col.	Weight			
		mm	in		gr	oz		
29.0980.00	1/4 Bsp MM	7	0,28	Blue	213	7,5	10	✓
29.0980.50	1/4 Bsp MM	7	0,28	Red	213	7,5	10	

Rated Pressure	28 bar - 2,8 MPa	400 psi
Permissible Pressure	30 bar - 3 MPa	435 psi
Rated Flow	10 l/min	2,6 USGpm
Rated Temperature	40 °C	105 °F
Panel fitting	15 mm	3/5 in

Fluid quantity is adjusted through knob rotation

RD6 - TWIN INLET CHEMICAL VALVE

P/N	Hose barb		Weight			
	mm	in	gr	oz		
29.0900.00	7	0,28	62	2,19	10	✓

Rated Pressure	0,5 bar - 0,05 MPa	7,3 psi
Rated Flow	1 l/min	0,26 USGpm
Rated Temperature	60 °C	140 °F
Panel fitting	14,5 mm	0,57 in

Fluid mixing regulated through knob rotation

RD3 - CHEMICAL METERING VALVE

P/N	Couplings	Hose barb		Casing colour	Weight			
		mm	in		gr	oz		
29.0945.00	1/4 Bsp MM	7	0,28	Blue	175	6,2	10	✓
29.0945.06	1/4 Bsp MM	7	0,28	Black	170	6	10	
29.0945.16	1/4 Bsp MM	7	0,28	Red	174	6,14	10	
29.0952.00	1/4 Bsp MM	-	-	Blue	126	4,44	10	✓
29.0952.10	1/4 Bsp MM	-	-	Black	126	4,48	10	✓

Rated Pressure	28 bar - 2,8 MPa	400 psi
Permissible Pressure	30 bar - 3 MPa	435 psi
Rated Flow	10 l/min	2,6 USGpm
Rated Temperature	40 °C	105 °F
Panel fitting	15 mm	3/5 in

DA - DESCALING PUMP CE

P/N	Max. Voltage	Frequency	Flow rate	Weight			
	Volt	Hz	g/h	gr	oz		
12.5010.00	24 V	50 Hz	24	300	10,58	5	
12.5011.00	230 V	50 Hz	24	290	10,2	5	✓

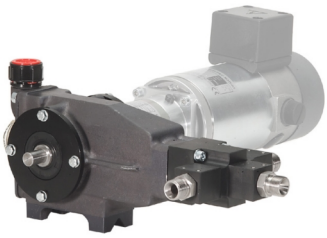
Rated Pressure 0,5 bar - 0,05 MPa 7 psi

PLUNGER METERING PUMP

P/N	Inlet	Outlet	Weight		
			gr	oz	
52.0000.00	1/2 Bsp M	1/2 Bsp M	2300	81	1

Plastic pump head - Displacement 8,7 cc/rev

Rated Pressure	20 bar - 2 MPa	290 psi
Max. RPM		120 giri/min



TANK AND HOSE FOR DESCALING PUMP

P/N	Equipment	Hole size		Volume		Weight			
		mm	in	L	USg	gr	oz		
14.6501.00R	Tank	45	1,77	1,0	0,26	106	3,74	10	✓
14.6505.00	Tank	45	1,77	2,0	0,52	193	6,81	10	✓

INJECTOR FITTING

P/N	Inlet	Outlet	Couplings	Weight			
				gr	oz		
21.0300.61R	3/4 Bsp M	1/2 Bsp M	2 × 1/8 Bsp F	113	3,99	10	✓

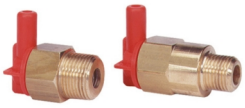
Rated Pressure	22 bar - 2,2 MPa	320 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Material		Zinc plated steel

It injects detergent into pump suction port

VT6 - THERMO PROTECTOR VALVE

P/N	Inlet	Operating temperat.		Mat.	Weight			
		°C	°F		gr	oz		
60.0630.00	1/4 Bsp M	63	145	Brass	51	1,8	15	✓
60.0640.00	1/4 Bsp M	63	145	Sst Ai 303	51	1,8	15	
60.0630.15	1/4 Npt M	63	145	Brass	52	1,8	15	
60.0630.50	3/8 Bsp M	63	145	Brass	35	1,23	15	✓
60.0630.70	1/2 Bsp M	63	145	Brass	52	1,8	15	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Hose barb	7 mm	0,28 in



VT.BP.1 - THERMO PROTECTOR / MAX.INLET PRESS.VALVE

P/N	Inlet	Operating temperat.		Operat. press.		Weight			
		°C	°F	bar - MPa	psi	gr	oz		
28.0600.15	1/2 Bsp M	63	145	10 - 1	145	142	5,02	5	✓
28.0600.00	1/2 Npt M	63	145	10 - 1	145	142	5,02	5	

Rated Pressure	10 bar - 1 MPa	145 psi
Hose barb	7 mm	0,28 in

RP1 - INLET PRESSURE REDUCER

P/N	Working press.		Couplings	Weight			
	bar - MPa	psi		gr	oz		
28.0700.00	1,5 - 0,15	20	1/2 Bsp F	266	9,4	5	✓

Permissible Pressure	29 bar - 2,9 MPa	290 psi
Rated Flow	32 l/min	8,5 USGpm
Rated Temperature	70 °C	158 °F

RB 35 - 50° C

P/N	Inlet	Nozzle type	Weight			
			gr	oz		
30.6200.00	+ sw. 1/2 Bsp F	Cone	446	15,73	10	✓

Rated Pressure	12 bar - 1,2 MPa	175 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	50 °C	120 °F
Material		PP+FG- Brass
Seals material		FKM (Viton)°
Casing colour		Blue

RB 35 - 80° C - LOW PRESSURE GUN

P/N	Inlet	Nozzle type	Weight			
			gr	oz		
30.6250.00	+ sw. 1/2 Bsp F	Cone	454	16,01	10	✓

Rated Pressure	12 bar - 1,2 MPa	175 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	80 °C	176 °F
Material		PA+gf- Ai303
Seals material		Epdm
Casing colour		Blue

Accessory specially designed for sanitization and for use with the following chemical principles: Sodium Hypochlorite.

RB 35 - ON-OFF DEVICE

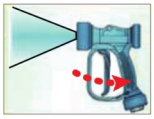
P/N	Rated Temper.		Material	Seals material	Weight			
	°C	°F			gr	oz		
30.6225.00	50	120	PP+FG - S.S.T. Ai.303	FKM (Viton)°	440	15,42	10	✓
30.6260.00	80	176	PA+gf- Ai303	Epdm	440	15,42	10	✓

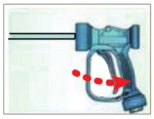
Rated Pressure	12 bar - 1,2 MPa	175 psi
Rated Flow	50 l/min	13,2 USGpm
Inlet		1/2 Bsp F
Outlet		1/2 Bsp F
Casing colour		Blue

RB 65 - AISI 316 ADJUSTABLE SPRAY PATTERN

P/N	Inlet	Nozzle Size	Weight gr	Weight oz		
30.6300.00	1/2 Bsp F	0 - 60	904	31,88	1	✓
30.6310.00	+ sw.5 1/2 Bsp F	0 - 60	1008	35,55	1	✓

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	60 l/min	16 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel Ai316
Casing colour		Blue
Trigger casing		Gray





RB 65 - ADJUSTABLE SPRAY PATTERN - BRASS PISTON

P/N	Casing colour	Trigger casing	Inlet	Nozzle Size	Weight gr	Weight oz		
30.6400.00	Blue	Blue	1/2 Bsp F	0 - 60	944	33,3	10	✓
30.6500.00	White	Red	1/2 Bsp F	0 - 60	944	33,3	10	
30.6400.50	Blue	Blue	1/2 Npt F	0 - 60	944	33,3	10	
30.6425.00	Blue	Blue	+ sw.5 1/2 Bsp F	0 - 60	1060	37,39	10	✓
30.6425.50	Blue	Blue	+ sw.5 1/2 Npt F	0 - 60	1060	37,39	10	
30.6520.00	White	Blue	+ sw.5 1/2 Bsp F	0 - 60	1060	37,39	10	
Sst swivel pin.								
30.6430.00	-	-	13mm hose barb	-	66	2,33	10	
Swivel, suitable for RB65 -p/n. 30.6400.00								

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	60 l/min	16 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass
Piston Material		Brass
Casing colour		Blue

RB 65 - ADJUSTABLE SPRAY PATTERN -SST.SHAFT

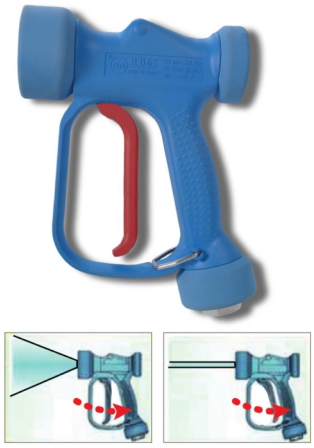
P/N	Casing colour	Trigger casing	Inlet	Nozzle type	Weight gr	Weight oz		
30.6438.30	Red	Red	+ sw.5 1/2 Bsp F	0 - 60	1060	37,39	10	✓
+ Stainless Steel shaft								
30.6455.00	Blue	Blue	1/2 Bsp F	0 - 60	944	33,3	10	✓
30.6510.00	White	Blue	1/2 Bsp F	0 - 60	944	33,3	10	

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	60 l/min	16 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass
Piston Material		Sst. Ai303

RB 65 - ADJUSTABLE SPRAY PATTERN- 100 L/MIN

P/N	Inlet	Nozzle Size	Weight gr	Weight oz		
30.6440.00	1/2 Bsp F	0 - 100	941	33,2	10	✓
30.6440.50	1/2 Npt F	0 - 100	941	33,2	10	
30.6445.00	+ sw.5 1/2 Bsp F	0 - 100	1060	37,39	10	✓
30.6445.50	+ sw.5 1/2 Npt F	0 - 100	1060	37,39	10	

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	100 l/min	26,5 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass
Casing colour		Blue



RB 65-350 - 350 MM LANCE - ADJUSTABLE SPRAY PATTERN

P/N	Casing colour	Nozzle Size	Weight gr	Weight oz		
30.6465.00	Blue	0 - 60	2020	71,25	5	✓
30.6468.00	Red	0 - 60	2020	71,25	5	✓

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	60 l/min	16 USGpm
Rated Temperature	90 °C	195 °F
Inlet		1/2 Bsp F
Length	350 mm	13,8 in.
Material		Brass

RB 65 - ON-OFF DEVICE

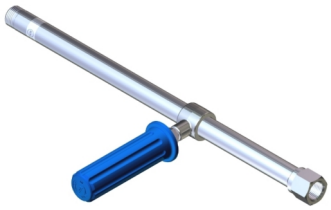
P/N	Inlet	Outlet	Mat.	Weight			
				gr	oz		
30.6450.00	1/2 Bsp F	1/2 Bsp F	Brass	1042	36,75	10	✓
30.6453.00	+ sw.5 1/2 Bsp F	1/2 Bsp F	Brass	1154	40,7	10	✓
30.6350.00	+ sw.5 1/2 Bsp F	1/2 Bsp F	Sst Ai 316L	1154	40,7	10	✓

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	100 l/min	26,5 USGpm
Rated Temperature	90 °C	195 °F
Casing colour		Blue

EXTENSION RB 65 WITH ON-OFF DEVICE

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
30.6456.40	400	15,7	1/2 Bsp M	1/2 Bsp F	660	23,28	1	✓
30.6456.80	800	31,4	1/2 Bsp M	1/2 Bsp F	1138	40,14	1	

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	100 l/min	26,5 USGpm
Rated Temperature	43 °C	109 °F
Material		Stainless steel



CP12 - GUN FOR CHEMICALS 2,5 MPA

P/N	Mat.	Trigger	Weight gr	Weight oz		
15.0003.12R	PP+ viton	Blue	128	4,51	10	✓
15.0003.11R	PP+ Nbr	Red	128	4,51	10	
15.0013.12R	PP+viton+Aisi 316	Grey	131	4,62	10	✓

Suitable for use with very aggressive chemicals

Rated Pressure	25 bar - 2,5 MPa	365 psi
Rated Flow	70 l/min	18,5 USGpm
Rated Temperature	50 °C	120 °F
Inlet		1/2 Bsp F
Outlet		1/2 Bsp F

CP12 - GUN FOR CHEMICALS 6 MPA

P/N	Mat.	Trigger	Weight gr	Weight oz		
15.0003.10R	Pa66 reinf.	Yellow	162	5,7	10	✓

Rated Pressure	60 bar - 6 MPa	870 psi
Rated Flow	70 l/min	18,5 USGpm
Rated Temperature	50 °C	120 °F
Inlet		1/2 Bsp F
Outlet		1/2 Bsp F

SUCTION STRAINER FOR CP12 GUN

P/N	Hole size mm	Hole size in	Weight gr	Weight oz	
13.0003.46R	18,2	0,72	2	0,07	10

Rated Pressure	40 bar - 4 MPa	580 psi
Rated Flow	70 l/min	18,5 USGpm
Rated Temperature	60 °C	140 °F
Filtration parameter	25 mesh	700 µm
Material		PP + FG
Gun type		CP 12

CP600 - CP12+600 MM PVC LANCE - 110° FLAT FAN NOZZLE

P/N	Nozzle Size	Weight gr	Weight oz		
15.0006.01R	02	232	8,18	10	
15.0006.02R	03	230	8,11	10	✓
15.0006.03R	04	232	8,18	10	
15.0006.04R	045	236	8,32	10	
15.0006.05R	06	231	8,15	10	
15.0006.06R	08	234	8,25	10	

Rated Pressure	15 bar - 1,5 MPa	217 psi
Rated Temperature	50 °C	120 °F
Length	600 mm	23,6 in.
Gun type		CP12 PP+viton
Tube type		Pvc
Nozzle type		Flat fan
Inlet		1/2 Bsp F

Supplied with 110° fan nozzle in thermoplastic material - p/n° 2.0150.01-07

CP1200 - CP12 +1200 MM PVC LANCE - 110° FLAT FAN NOZZLE

P/N	Nozzle Size	Weight			
		gr	oz		
15.0012.02R	03	321	11,33	10	
15.0012.04R	045	314	11,08	10	

Rated Pressure	15 bar - 1,5 MPa	217 psi
Rated Temperature	50 °C	120 °F
Length	1200 mm	47,2 in.
Gun type		CP12 PP+viton
Tube type		Pvc
Nozzle type		Flat fan
Inlet		1/2 Bsp F

Supplied with 110° fan nozzle in thermoplastic material - p/n° 2.0150.01-07

CP600 - CP12 + 600 MM PVC LANCE - CONE NOZZLE

P/N	Nozzle Size	Weight			
		gr	oz		
15.0006.51R	025	240	8,5	10	
15.0006.52R	035	240	8,5	10	
15.0006.53R	05	234	8,25	10	

Rated Pressure	25 bar - 2,5 MPa	356 psi
Rated Temperature	50 °C	120 °F
Length	600 mm	23,6 in.
Gun type		CP12 PP+viton
Tube type		Pvc
Nozzle type		Cone
Inlet		1/2 Bsp F

Supplied with Stainless steel cone nozzle - p/n° 2.0150.51-55

CPA600 - 600 MM SST. LANCE - 110° FLAT FAN NOZZLE

P/N	Nozzle Size	Weight			
		gr	oz		
15.0216.07R	01	284	10,02	10	
15.0216.01R	02	282	9,95	10	✓
15.0216.02R	03	281	9,91	10	✓

Rated Pressure	15 bar - 1,5 MPa	217 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	50 °C	120 °F
Length	600 mm	23,6 in.
Gun type		CP12-04
Tube type		Stainl. steel
Nozzle type		Flat fan
Inlet		1/2 Bsp F

Supplied with 110° fan nozzle in thermoplastic material - p/n° 2.0150.01-07

CPAT 2000 SST. TELESC.LANCE - 110° 03 FLAT FAN NOZZLE

P/N	Nozzle Size	Weight		
		gr	oz	
15.0030.02R	03	969	34,18	10

Rated Pressure	15 bar - 1,5 MPa	217 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	50 °C	120 °F
Length	1125-1965 mm	44,3-77 in.
Gun type		CP12-04
Tube type		Stainl. steel
Nozzle type		Flat fan
Inlet		1/2 Bsp F

Supplied with 110° fan nozzle in thermoplastic material - p/n° 2.0150.01-07

TW1 - 2-DETERGENT LANCE

P/N	Seals material	Nozzle Size	Weight		
			gr	oz	
15.0008.00R	FKM (Viton)°	-	322	11,36	1
15.0008.01R	FKM (Viton)°	Flat 03- Cone 035	328	11,57	1
15.0008.50R	Epdm	-	321	11,32	1
15.0008.51R	Epdm	Flat 03- Cone 035	329	11,6	1

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	50 °C	120 °F
Length	630 mm	24,86 in.
Tube type		Stainl. steel
Nozzle type		Plast.flat fan+ ss.cone
Inlet		2 x 1/8 Bsp F

Supplied with 110° fan nozzle in thermoplastic material - p/n° 2.0150.01-07

LANCE COUPLINGS AND HOSE BARB FOR CP 600 / CP 12 / RB35/65

P/N	Type	Outlet	Mat.	Weight		
				gr	oz	
12.0010.18R	Nipple	1/4 Bsp M	Brass	49	1,74	10
13.0003.60R	Nipple	1/4 Bsp F	PP	6	0,2	5
2.0010.01R	Hose barb	8mm hose barb	Nic.pl.brass	51	1,8	5
2.0010.02R	Hose barb	10mm hose barb	Nic.pl.brass	55	1,9	5
13.0003.38R	Hose barb	13mm hose barb	PPL	8	0,28	5
13.5032.19R	Hose barb	19mm hose barb	PPL	25	0,9	10
13.0003.50R	Seal washer	--	PP	5	0,2	5

Sealing washer 1/2"

Inlet	1/2 Bsp M

RLD SHOWER HEAD

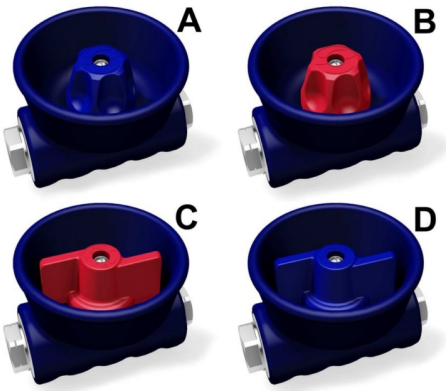
P/N	Inlet	Weight gr	Weight oz		
29.1200.00R	1/2 Bsp M	670	23,6	1	✓

Rated Pressure	5 bar - 0,5 MPa	73 psi
Rated Flow	18 l/min	4,68 USGpm
Rated Temperature	60 °C	140 °F
Material		Chrome plated brass

RPS BALL VALVE STAINLESS STEEL

P/N	Material	Hand Grip	Trigger	Type	Weight gr	Weight oz		
29.1000.00	Stainless steel 303	Handle	Blue	A	750	26,45	4	
29.1030.00	Stainless steel 303	Butterfly	Blue	D	750	26,45	4	✓
29.1050.00	Stainless steel Ai316	Handle	Red	B	750	26,45	4	
29.1080.00	Stainless steel Ai316	Butterfly	Red	C	750	26,45	4	✓

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Inlet		1/2 Bsp F
Outlet		1/2 Bsp F
Hole size	15 mm	0,59 in



RL 60 - SST FOAM GUN -SLOW OFF SYSTEM

P/N	Inlet	Outlet	Col.	Weight gr	Weight oz		
30.3170.00 Inlet with swivel	+ sw.5 1/2 Bsp F	1/2 Bsp F	Blue	616	21,73	10	✓
30.3170.40 Inlet with swivel	+ sw.5 1/2 Bsp F	1/2 Bsp F	Red	616	21,73	10	
30.3170.58 Inlet with swivel Teflon seat	+ sw.5 1/2 Bsp F	1/2 Bsp F	Blue	616	21,73	10	

Rated Pressure	60 bar - 6 MPa	870 psi
Permissible Pressure	65 bar - 6,5 MPa	950 psi
Rated Flow	60 l/min	16 USGpm
Rated Temperature	100 °C	210 °F
Material		Stainless steel

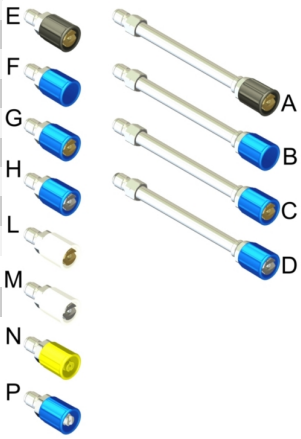
RL 60 +SW GUN +ARS- B- BALL QUICK COUPLING

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.3190.00 Inlet with swivel	+ sw. 1/2 Bsp F	ARS 178 B	689	24,3	2	✓

Rated Pressure	60 bar - 6 MPa	870 psi
Permissible Pressure	65 bar - 6,5 MPa	950 psi
Rated Flow	60 l/min	16 USGpm
Rated Temperature	100 °C	210 °F
Material		Stainless steel

FOAM LANCE X ARS 178 - STAINLESS STEEL

P/N	Length		Inlet	Col.	Outlet	Nozzle material	Type	Weight			
	mm	in.						gr	oz		
40.0280.00	200	8	ARS 178 "A"	Black	--	Brass	A	320	10,44	2	
40.0280.50	200	8	ARS 178 "A"	Blue	1/2 Bsp F	--	B	320	10,44	2	✓
40.0280.60	200	8	ARS 178 "A"	Blue	--	Brass	C	320	10,44	2	
40.0280.80	200	8	ARS 178 "A"	Blue	--	St. steel	D	296	10,44	2	
40.0290.00	25	1	ARS 178 "A"	Black	--	Brass	E	77	2,72	2	
40.0290.50	25	1	ARS 178 "A"	Blue	1/2 Bsp F	--	F	77	2,72	2	
40.0290.60	25	1	ARS 178 "A"	Blue	--	Brass	G	143	5,04	2	
40.0290.80	25	1	ARS 178 "A"	Blue	--	St. steel	H	128	4,51	2	
40.0294.31	25	1	ARS 178 "A"	White	--	Brass	L	128	4,51	5	✓
40.0292.51	25	1	ARS 178 "A"	White	--	St. steel	M	128	4,51	5	✓
40.0296.30	25	1	ARS 178 "A"	Yellow	1/4 Npt F	Pom	N	128	4,51	5	
Nozzle 60.30											
40.0296.50	25	1	ARS 178 "A"	Blue	1/4 Npt F	St. steel	P	135	4,76	5	✓
Nozzle 25.40											



Rated Pressure	125 bar - 12,5 MPa	1825 psi
Permissible Pressure	140 bar - 14 MPa	2025 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	90 °C	195 °F
Couplings		Stainless steel Ai303
Tube type		Stainl. steel
Nozzle type		50°-200

Lances with tip protector and nozzle holder.

RV 23 STEAM GUN

P/N	Switch	Elect.Connec.	Weight gr	Weight oz		
30.6030.00	Reed Switch	Micro-fit 2 pins M	460	16,22	10	
30.6100.00	Reed Sw.+ 1 lamp button	Micro-fit 4 pins M	468	16,51	10	✓
30.6150.00	Reed Sw.+ 2 lamp buttons	Micro-fit 6 pins M	487	17,2	10	

Rated Pressure	10 bar - 1 MPa	145 psi
Steam Rated Flow	35 kg/h	77 lb/h
Rated Temperature	180 °C	356 °F
Inlet		1/4 Bsp F
Outlet		1/4 Bsp F
Max. Voltage		24V AC
Max. Curr. Strength		0,4 A
Degree of Protection		IPX 3
Protection Class		III
Couplings		PG 21 mm

RV 23 FREE FLOW STEAM GUN

P/N	Switch	Elect.Connec.	Weight gr	Weight oz	
30.6020.00	Reed Sw.+ 1 lamp button	Micro-fit 4 pins M	455	16,05	10

Rated Pressure	10 bar - 1 MPa	145 psi
Steam Rated Flow	35 kg/h	77 lb/h
Rated Temperature	180 °C	356 °F
Inlet		1/4 Bsp F
Outlet		1/4 Bsp F
Max. Voltage		24V AC
Max. Curr. Strength		0,4 A
Degree of Protection		IPX 3
Protection Class		III
Couplings		PG 21 mm

RV 23 STEAM GUN+ AR3/23 B M22 EX

P/N	Switch	Elect.Connec.	Weight gr	Weight oz	
30.6130.00	Reed Switch	Micro-fit 2 pins M	594	20,95	10
30.6145.00	Reed Sw.+ 1 lamp button	Micro-fit 4 pins M	468	16,5	10

Rated Pressure	10 bar - 1 MPa	145 psi
Steam Rated Flow	35 kg/h	77 lb/h
Rated Temperature	180 °C	356 °F
Inlet		1/4 Bsp F
Outlet		AR 3/23 B M22 ex
Max. Voltage		24V AC
Max. Curr. Strength		0,4 A
Degree of Protection		IPX 3
Protection Class		III
Couplings		PG 21 mm

RV 23 FREE FLOW STEAM GUN+ AR3/23 B M22 EX

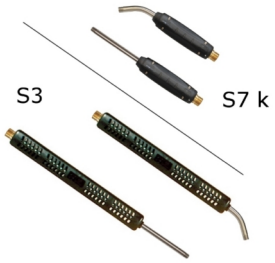
P/N	Switch	Elect.Connec.	Weight gr	Weight oz		
30.6140.00	Reed Sw.+ 1 lamp button	Micro-fit 4 pins M	598	21,09	10	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Steam Rated Flow	35 kg/h	77 lb/h
Rated Temperature	180 °C	356 °F
Inlet		1/4 Bsp F
Outlet		AR 3/23 B M22 ex
Max. Voltage		24V AC
Max. Curr. Strength		0,4 A
Degree of Protection		IPX 3
Protection Class		III
Couplings		PG 21 mm

EXTENSIONSK7 K /S3 -AR3A ES.M22 QUICK COUPLING-1/4M BSP

P/N	Type	Length		Hand Grip	Weight		
		mm	in.		gr	oz	
40.2525.00	Straight	250	9,85	S7 k	212	7,48	20
40.2525.40	Bent	250	9,85	S7 k	214	7,55	20
40.2550.00	Straight	450	17,72	S3	378	13,33	20
40.2550.40	Bent	450	17,72	S3	378	13,33	20
40.2590.00	Straight	900	35,43	S3	572	20,17	20
40.2605.00	Straight	1050	41,33	S3	640	22,57	20

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		AR 3 A M22 hex
Outlet		1/4 Bsp M
Material		Stainless steel



TANK - 4 LITERS

P/N	Type	Weight			
		gr	oz		
28.2000.00	w/o ports	480	16,5	25	✓
28.2000.10	1 port	475	16,75	25	✓
28.2000.15	2 ports	470	16,58	10	
28.2000.20	3 ports	480	16,5	10	

Tank	4 L	1,05 USg
Volume	5,6 L	1,48 USg
Rated Temperature	60 °C	140 °F
Material		PPL

TANK - 4 LITERS WITH FLOAT VALVE / HOSE BARB

P/N	Inlet	Hose barb		Type	Weight			
		mm	in		gr	oz		
28.2020.00	3/8 Bsp M	20	0,78	Straight	834	29,42	1	✓
Straight 20 mm hose barb								
28.2020.10	3/8 Bsp M	20	0,78	Bent	844	29,77	1	✓
Bent 20 mm hose barb								

Supplied with : Suction strainer - 3/8 Bsp M brass float valve - Safety hose outlet 13mm - 20mm hose barb

TANK - 4 LITERS WITH FLOAT VALVE -OUTLET 1/2 BSP M

P/N	Inlet	Outlet	Weight		
			gr	oz	
28.2052.00	3/4 Bsp M	1/2 Bsp M	611	21,55	1
Plastic float valve					

Supplied with : Suction strainer- 3/4 Bsp M float valve- Outlet 1/2 Bsp M

ACCESSORIES FOR TANKS

P/N	Inlet	Outlet	Type	Weight			
				gr	oz		
28.2021.00R	3/8 Bsp M	13mm hose barb	Elbow	7	0,25	10	✓
29.0171.31R	3/8 Bsp F	--	Nut	10	0,4	50	✓
12.2023.00R	1/2 Bsp M	20mm hose barb	Elbow	14	0,49	10	✓
2.0090.15R	1/2 Bsp M	1/2 Bsp M	Nipple	12	0,42	5	
13.5031.84R	1/2 Bsp M	1/2 Bsp M	Nipple	14	0,49	10	
13.0003.37R	1/2 Bsp M	1/4 Bsp M	Nipple	25	0,9	10	

SUCTION STRAINER FOR TANK

P/N	Couplings	Weight			
		gr	oz		
28.0055.00	3/8 Bsp M+O-ring	70	2,4	25	
28.2027.23	1/2 Bsp F	33	1,16	25	✓
28.0080.23	3/8 Bsp M	70	2,4	25	✓
26.0373.21R	M 18 × 1 M	70	2,4	25	

Filtration parameter	46 mesh	300 µm
Material		Brass + Sst net

RGP - PLASTIC FLOAT VALVE

P/N	Inlet	Weight			
		gr	oz		
29.0150.00	3/4 Bsp M	78	2,75	25	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Temperature	60 °C	140 °F

Flow: @1 bar > 28,5 Lpm -14psi >7,5 USGpm- @2 bar > 30 Lpm -28psi > 8 USGpm

RG 30 - PLASTIC FLOAT VALVE

P/N	Inlet	Weight			
		gr	oz		
29.0220.00	3/8 Bsp M	100	3,53	25	✓
29.0220.20	1/2 Bsp M	102	3,6	25	✓
29.0220.70	3/4 Bsp M	108	3,81	25	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Temperature	60 °C	140 °F

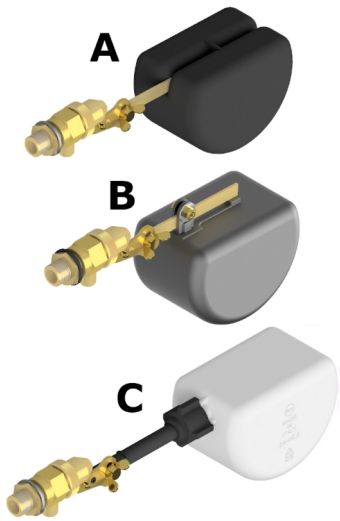
Flow: @1 bar > 28 Lpm-14psi >7,4USGpm- @2 bar > 40 Lpm-29psi >10,5USGpm

RGO - BRASS FLOAT VALVE

P/N	Inlet	Type	Weight			
			gr	oz		
29.0160.00	3/8 Bsp M	A	284	10,02	25	✓
29.0160.80	3/8 Bsp M	A	250	8,82	25	
Short floater arm						
29.0160.10	1/2 Bsp M	A	306	10,8	25	✓
29.0160.30	1/2 Bsp F	A	311	10,97	25	✓
29.0160.20	3/4 Bsp M	A	363	12,8	25	✓
29.0160.90	3/8 Bsp M	B	267	9,42	40	
Float retainer with external screw - old PA type						
29.0160.94	3/4 Bsp M	B	325	11,46	40	✓
Float with external screw -PA old type -Without nut or washer						
29.0182.00	3/8 Bsp M	C	284	10,02	25	
Plastic arm						

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Temperature	60 °C	140 °F

Flow: @1 bar> 20 Lpm-14psi >5,3USGpm- @2 bar> 29 Lpm-28psi > 7,5USGpm

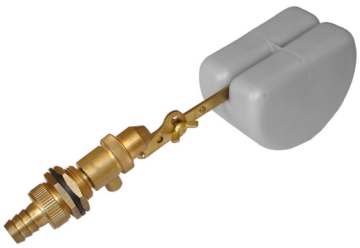


RGO - BRASS FLOAT VALVE + 17MM HOSE BARB + STRAINER

P/N	Hose barb		Weight			
	mm	in	gr	oz		
29.0160.35	17	0,67	404	14,25	25	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Temperature	60 °C	140 °F

Flow: @1 bar> 20 Lpm -14psi >5,3USGpm- @2 bar> 29 Lpm -28psi > 7,5USGpm



RG60 - BRASS FLOAT VALVE

P/N	Inlet	Weight			
		gr	oz		
29.0280.00	1/2 Bsp M	392	13,83	25	✓
29.0280.20	3/4 Bsp M	443	15,63	25	✓

Rated Pressure	6 bar - 0,6 MPa	87 psi
Rated Temperature	60 °C	140 °F

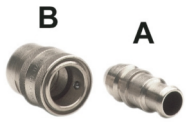
Flow: @1 bar > 42 Lpm-14psi >11,1USGpm-@2 bar> 60 Lpm-29psi > 16USGpm

BALL QUICK COUPLING FOR WATER SUCTION Ø22 MM

P/N	Inlet	Type	Weight			
			gr	oz		
28.0250.00	1/2 Bsp M	B	157	5,54	25	✓
28.0250.30	3/4 Bsp M	B	177	6,24	25	✓
28.0250.40	3/4 Bsp F	B	162	5,71	25	✓
28.0255.31R	17-19mm hose barb	A	66	2,33	25	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	24 l/min	6,3 USGpm
Rated Temperature	90 °C	195 °F

Pin Ø22 mm



SCREW QUICK COUPLING FOR WATER SUCTION

P/N	Inlet	Outlet	Weight		
			gr	oz	
28.0030.00R	1/2 Bsp M	1/2 Bsp M	105	3,7	5

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F

3/4 Bsp nut

STRAINER + HOSE BARB

P/N	Inlet	Hose barb		Weight			
		mm	in	gr	oz		
28.0035.00	3/8 Bsp M	17	0,7	82	2,89	10	✓
28.0040.00	1/2 Bsp M	17	0,7	82	2,89	10	✓
28.0047.00	3/8 Bsp M	19	0,74	86	3	10	✓
28.0042.00	1/2 Bsp M	19	0,74	92	3,24	10	✓

Rated Pressure	8 bar - 0,8 MPa	115 psi
Rated Flow	20 l/min	5,2 USGpm
Rated Temperature	60 °C	140 °F

3/4 Bsp nut

PLASTIC CHEMICAL STRAINER

P/N	1 - Hose barb		2 - Hose barb		Mat.	Weight			
	mm	in	mm	in		gr	oz		
28.1010.00	6	0,24	8	0,32	PP+ brass	20	0,7	50	✓
28.1010.30	6	0,24	8	0,32	PP+ Sst.	18	0,63	10	✓

Rated Temper.	40 °C	104 °F
Filtration parameter	51 mesh	355 µm

PLASTIC CHEMICAL STRAINER WITH CHECK VALVE

P/N	1 - Hose barb		2 - Hose barb		Mat.	Weight			
	mm	in	mm	in		gr	oz		
28.1000.00	6	0,24	8	0,32	PP+ brass	22	0,77	50	✓
28.1000.30	6	0,24	8	0,32	PP+ Sst.	20	0,71	10	✓

Rated Temper.	40 °C	104 °F
Filtration parameter	51 mesh	355 µm

FSR- PLASTIC CHEMICAL STRAINER WITHOUT MESH

P/N	1 - Hose barb		2 - Hose barb		Mat.	Weight			
	mm	in	mm	in		gr	oz		
28.1045.00	6	0,24	8	0,31	PP+ brass	21	0,74	25	✓

Rated Flow	1,5 l/min	0,4 USGpm
Rated Temper.	40 °C	104 °F
Filtration parameter	51 mesh	355 µm

FSR- PLASTIC CHEMICAL STRAINER WITH CHECK VALVE

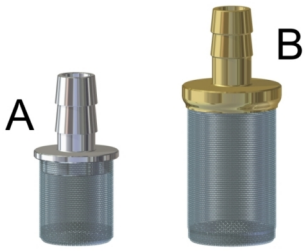
P/N	1 - Hose barb		Hose barb		Mat.	Weight			
	mm	in	mm	in		gr	oz		
28.1035.00	6	0,24	8	0,32	PP+ brass	22	0,77	25	✓

Rated Flow	1,5 l/min	0,4 USGpm
Rated Temper.	40 °C	104 °F
Filtration parameter	51 mesh	355 µm

CHEMICAL STRAINER WITH STAINLESS STEEL NET

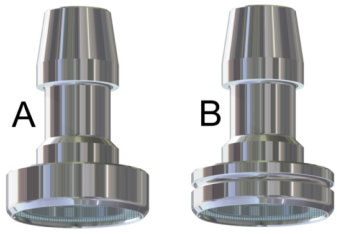
P/N	Hose barb		Mat.	Type	Weight			
	mm	in			gr	oz		
29.0915.00R	7	0,27	Sst.+ brass	B	18	0,6	25	✓
28.1018.00R	8	0,31	Sst. Ai 304 L	A	11	0,4	5	✓
28.1018.60R	8	0,31	Sst Ai 316L	A	11	0,4	5	

Filtration parameter	46 mesh	300 µm



SST SUCTION CHEMICAL STRAINER

P/N	Hose barb		Mat.	Type	Weight			
	mm	in			gr	oz		
28.1015.00	7	0,27	Sst. Ai 304 L	A	5	0,2	5	✓
28.1015.60	7	0,27	Sst Ai 316L	B	5	0,2	5	✓
Filtration parameter			35 mesh		500 µm			



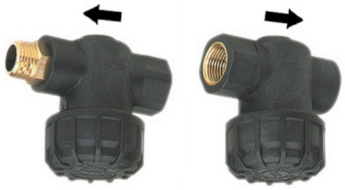
SST STRAINER WITH CHECK VALVE

P/N	Hose barb		Mat.	Weight			
	mm	in		gr	oz		
28.0050.00	7	0,27	Sst.+ brass	40	1,41	25	✓
Filtration parameter			46 mesh		300 µm		

F5 - PLASTIC SUCTION STRAINER

P/N	Inlet	Outlet	Weight gr	Weight oz		
28.0300.00	1/2 Bsp F	1/2 Bspt M	172	6,07	20	✓
28.0300.20	1/2 Bsp F	1/2 Bsp F	140	4,94	20	✓

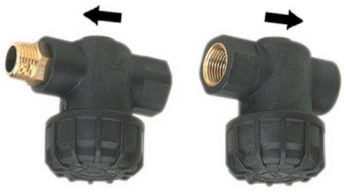
Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	(Dp 0.25 bar) 30 l/min	8 USGpm
Rated Temperature	40 °C	105 °F
Filtration parameter	50 mesh	300 µm



F5 B- PLASTIC STRAINER WITH BYPASS

P/N	Inlet	Outlet	Weight gr	Weight oz		
28.0350.00	1/2 Bsp F	1/2 Bspt M	184	6,5	20	✓
28.0350.20	1/2 Bsp F	1/2 Bsp F	145	5,11	20	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	(Dp 0.25 bar) 30 l/min	8 USGpm
Rated Temperature	40 °C	105 °F
Bypass		1/4 Bsp F
Filtration parameter	50 mesh	300 µm



F5 BN - REINFORCED PLASTIC STRAINER WITH BYPASS

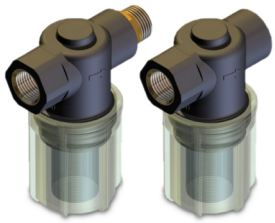
P/N	Mat.	Weight gr	Weight oz		
28.0360.00	Pa66 reinf.	208	7,34	20	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	(Dp 0.25 bar) 30 l/min	8 USGpm
Rated Temperature	60 °C	140 °F
Inlet		1/2 Bsp F
Outlet		1/2 Bspt M
Bypass		1/4 Bsp F + Plug
Filtration parameter	50 mesh	300 µm

F5 L - PLASTIC SUCTION STRAINER

P/N	Inlet	Outlet	Filtration standard mesh	Filtration standard µm	Weight gr	Weight oz		
28.0320.00	1/2 Bsp F	1/2 Bspt M	46	300	198	6,98	20	✓
28.0320.15	1/2 Bsp F	1/2 Bspt M	100	150	195	6,88	20	
28.0320.50	1/2 Bsp F	1/2 Bspt M	300	50	164	5,78	20	
28.0320.20	1/2 Bsp F	1/2 Bsp F	46	300	164	5,78	20	✓
28.0320.65	1/2 Bsp F	1/2 Bsp F	100	150	164	5,78	20	✓
28.0320.85	1/2 Bsp F	1/2 Bsp F	300	50	166	5,85	20	

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	(Dp 0.25 bar) 30 l/min	8 USGpm
Rated Temperature	40 °C	105 °F



F5 L B- PLASTIC STRAINER WITH BYPASS

P/N	Inlet	Outlet	Weight gr	Weight oz		
28.0370.00	1/2 Bsp F	1/2 Bspt M	165	5,8	20	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	(Dp 0.25 bar) 30 l/min	8 USGpm
Rated Temperature	40 °C	105 °F
Bypass		1/4 Bsp F
Filtration parameter	46 mesh	300 µm

FPL - PLASTIC STRAINER 3/4 BSP MF

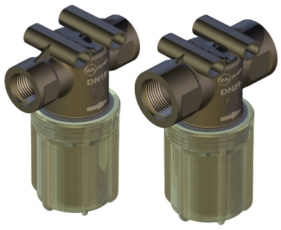
P/N	Inlet	Outlet	Filtration standard		Col.	Weight			
			mesh	µm		gr	oz		
28.0130.00R	3/4 Bsp M	3/4 Bsp F	125	120	Gray	110	3,88	40	✓
28.0131.22R	-	--	125	120	Gray	10	0,35	12	
28.0136.00R	3/4 Bsp M	3/4 Bsp F	63	60	White	108	3,81	40	✓
28.0137.22R	-	--	63	60	White	10	0,35	12	

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	40 °C	140 °F
Mat.		PP + SAN
Seals material		NBR

F 8 - PLASTIC SUCTION STRAINER

P/N	Inlet	Outlet	Filtration standard		Weight			
			mesh	µm	gr	oz		
28.0380.00	1/2 Bsp F	1/2 Bsp F	46	300	121,5	4,29	20	
28.0380.15	1/2 Bsp F	1/2 Bsp F	100	150	121,5	4,29	20	✓
28.0380.50	1/2 Bsp F	1/2 Bsp F	300	50	122	4,3	20	✓
28.0390.00	3/4 Bsp F	3/4 Bsp F	46	300	128	4,51	20	✓
28.0390.15	3/4 Bsp F	3/4 Bsp F	100	150	126	4,44	20	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	(Dp 0.25 bar) 30 l/min	8 USGpm
Rated Temperature	40 °C	105 °F



FA 1 ALUMINIUM STRAINER WITH BYPASS

P/N	Inlet	Outlet	Filtration standard		Weight			
			mesh	µm	gr	oz		
28.0010.00	1/2 Bsp F	1/2 Bsp M	38	400	217	7,65	20	✓
28.0010.20	1/2 Bsp F	1/2 Bsp M	86	850	220	7,7	20	✓
28.0010.50	1/2 Bsp F	1/2 Bsp M	38	400	217	7,65	20	✓
Black coated								
28.0010.70	1/2 Bsp F	1/2 Bsp M	86	850	220	7,7	20	✓
Black coated								

Rated Pressure	40 bar - 4 MPa	580 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F
Bypass		1/4 Bsp F
Material		Aluminium + Sst. net

FY5 - PLASTIC STRAINER "Y"

P/N	Inlet	Outlet	Weight			
			gr	oz		
15.0004.12R	3/4 Bsp F	3/4 Bsp F	202	7,12	5	✓
15.0004.02R	1 Bsp F	1" Bsp F	180	6,35	5	✓

Rated Pressure	10 bar - 1 MPa	145 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	40 °C	140 °F
Filtration parameter	50 mesh	300 µm
Material		PP + FG

FYO - BRASS Y-STRAINER

P/N	Couplings	Length		Height		Weight			
		mm	in.	mm	in	gr	oz		
28.0160.00R	3/8 Bsp F	56	2,2	39,5	1,55	139	4,9	5	✓
28.0162.00R	1/2 Bsp F	59	2,3	40	1,57	158	5,57	5	✓
28.0164.00R	3/4 Bsp F	70	2,75	48,5	1,91	247	8,71	5	✓
28.0162.50R	1/2 Npt F	59	2,3	40	1,57	154	5,43	5	✓

Rated Pressure	12 bar - 1,2 MPa	175 psi
Rated Temperature	90 °C	195 °F
Material		Brass + Sst net
Filtration parameter	45 mesh	400 µm

SUCTION NET STRAINER WITH HOSE BARB

P/N	Rated Flow		Hose barb		Weight			
	l/min	USGpm	mm	in	gr	oz		
15.0000.02R	30	8	20	0,78	32	1,13	5	✓
15.0000.01R	55	14,5	25	1,0	36	1,27	5	✓

Rated Pressure	6 bar - 0,6 MPa	85 psi
Rated Temperature	40 °C	104 °F
Material		PPL +FG
Filtration parameter	30 mesh	600 µm

SUCTION NET STRAINER WITH THREADED BARB

P/N	Rated Flow		Outlet	Weight		
	l/min	USGpm		gr	oz	
15.0000.05R	55	14,5	1" Bsp F	40	1,41	5

Rated Pressure	6 bar - 0,6 MPa	85 psi
Rated Temperature	40 °C	104 °F
Material		PPL +FG
Filtration parameter	30 mesh	600 µm

SUCTION STRAINER WITH HOSE BARB AND CHECK VALVE

P/N	Hose barb		Type	Weight			
	mm	in		gr	oz		
28.0060.00R	19	0,75	Check valve	40	1,41	10	✓
28.0062.00R	19	0,75	-	24	0,85	10	

Without check valve

Rated Pressure	0,6 bar - 0,06 MPa	9 psi
Rated Temperature	40 °C	104 °F
Material		PPL

SP9 - CAR WASH BRUSH

P/N	Inlet	Bristle Length		Weight			
		mm	in	gr	oz		
29.0545.00	1/4 Bsp F	97	3,8	782	27,58	5	✓
29.0540.00	1/2 Npt F	97	3,8	782	27,58	5	✓
29.0542.21R	-	97	3,8	465	16,4	3	

Spare part - Holder w/ black black synthetic bristles

Rated Pressure	5 bar - 0,5 MPa	72,5 psi
Rated Temperature	60 °C	140 °F
Bristle Material		Soft Synthetic

SR8 ROTATING BRUSH

P/N	Hair material	Nozzle	Weight			
		mm	gr	oz		
29.0500.00R	White Nylon	3	916	32,31	1	✓

Rated Pressure	30 bar - 3 MPa	435 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	60 °C	140 °F
Inlet		1/4 Bsp M

VB200-180 ZERO-ZEROED OUTLET PRESSURE, IN BYPASS NEW

P/N	Rated pr.		Permiss.press.		Max. flow rate		Weight			
	bar - MPa	psi	bar - MPa	psi	l/min	USGpm	gr	oz		
60.2700.00	180 - 18	2610	200 - 20	2900	200	53	4354	153	1	

Min.flow rate	120 l/min	32 USGpm
Max. working temperature	90 °C	195 °F
Couplings		1" Bsp F
Material		Brass

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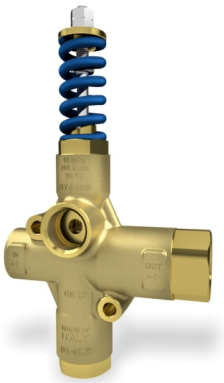

VB 200/150-VB200/70

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.5000.15	150 - 15	2200	170 - 17	2450	1" Bsp F	2025	71,7	1	✓
60.5000.001	150 - 15	2200	170 - 17	2450	1" Npt F	2046	72,16	6	
60.5000.00	150 - 15	2200	170 - 17	2450	1" Npt F	2046	72,16	1	✓
60.5020.15	150 - 15	2200	170 - 17	2450	1" Bsp F	2060	73,5	1	✓
With hand wheel									
60.5020.00	150 - 15	2200	170 - 17	2450	1" Npt F	2114	74,56	1	✓
With handwheel									
60.5000.10	150 - 15	2200	170 - 17	2450	1" Bsp F	2025	71,7	1	✓
Viton O-Rings									
60.5025.15	70 - 7	1000	80 - 8	1150	1" Bsp F	2085	73,54	1	✓
60.5025.00	70 - 7	1000	80 - 8	1150	1" Npt F	2017	71,14	1	

Rated Flow	200 l/min	53 USGpm
Rated Temperature	90 °C	195 °F

VB 140/160

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.4800.00	160 - 16	2300	180 - 18	2600	3/4 Bsp F	1802	63,56	1	✓
60.4800.50	160 - 16	2300	180 - 18	2600	3/4 Npt F	1802	63,56	1	

Rated Flow	140 l/min	37 USGpm
Rated Temperature	90 °C	195 °F

VB 130 UNLOADER VALVE

P/N	Rated pr.		Permiss.press.		Couplings	Bypass	Weight			
	bar - MPa	psi	bar - MPa	psi			gr	oz		
60.0300.50	70 - 7	1015	80 - 8	1150	3/8 Bsp MM	3/8 Bsp F	382	13,47	40	✓
60.0300.55	70 - 7	1015	80 - 8	1150	3/8 Npt MM	3/8 Npt F	386	13,61	40	
60.0300.00	160 - 16	2300	180 - 18	2600	3/8 Bsp MM	3/8 Bsp F	388	13,68	40	✓
60.0300.05	160 - 16	2300	180 - 18	2600	3/8 Npt MM	3/8 Npt F	390	13,9	40	✓

Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F

On request - plastic knob 60.0315.84

VB 130 - WITH INJECTOR

P/N	Injector	Nozzle	Outlet	Weight		
		mm		gr	oz	
60.0320.18	Adjustable	1,8	3/8 Bsp M	520	18,34	30
60.0321.21	Fixed	2,1	3/8 Bsp M	499	17,6	30

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F

VB 135 - BANJO CONNECTION - HOLLOW SCREW FITTING

P/N	Dist.betw.ports	Couplings	Pump type	Weight			
				gr	oz		
60.0380.25	X:0 Y:62	1/4 × 3/8 Bsp	IP serie 51	622	21,94	5	✓
60.0800.00	X:5 Y:53	3/8 ×1/2 Bsp	AR XT-HPE	652	23	24	✓
60.0812.00	X:5 Y:57	3/8 ×1/2 Bsp	AR XM	662	23,35	20	
60.0820.00	X:0 Y:56	3/8 × 3/8 Bsp	Speck NP10	613	21,62	25	
60.0825.00	X:0 Y:63	3/8 × 3/8 Bsp	Udor SF	620	21,9	20	

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F

VB130-VB3-VB7-VB75 PLASTIC KNOB

P/N	Inlet	Col.	Weight		
			gr	oz	
60.0315.84R	Hex.22	Black	14	0,5	10 ✓
Plastic knob					

VB20-160-VB30-220 ZERO-ZEROED OUTLET PRESSURE, IN BYPASS

P/N	Permiss.press.		Max. flow rate		Weight		
	bar - MPa	psi	l/min	USGpm	gr	oz	
60.2500.00	160 - 16	2300	20	5,3	662,3	23,4	15
60.2520.00	220 - 22	3200	30	8	662,3	23,4	15

Min.flow rate	8 l/min	2,1 USGpm
Rated Temperature	60 °C	140 °F
Couplings		3/8 Bsp F
Material		Brass

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VB20-160 ZERO WITH MICRO-SWITCH-ZEROED OUTLET PRESSURE, IN BYPASS CE

P/N	Inlet	Outlet	Bypass	Weight		
				gr	oz	
60.2550.00	3/8 Bsp F	3/8 Bsp F	3/8 Bsp F	772,8	27,2	12

Permissible Pressure	160 bar - 16 MPa	2300 psi
Min.flow rate	8 l/min	2,1 USGpm
Max. flow rate	20 l/min	5,3 USGpm
Rated Temperature	60 °C	140 °F
Max. Curr. Strength		6 (2) A
Max. Voltage		250 V
Material		Brass

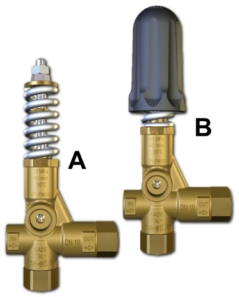
Patent No.: I-1387704-/-US-2009-0205716-A1-/-EP 2 093 643 A2-/-ZL200810131662.7

PULSAR RV- VALVE 3/8 BSP F - VITON O-RING

P/N	Inlet	Outlet	Bypass	Type	Weight gr	Weight oz	
60.0122.06	2× 3/8 Npt F	3/8 Npt F	2× 3/8 Npt F	A	708	24,97	25
60.0125.06	2× 3/8 Npt F	3/8 Npt F	2× 3/8 Npt F	B	752	26,52	15

With knob

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Seals material		FKM (Viton)°



VB 450 - 200 - UNLOADER VALVE

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.4020.00	1" 1/4 Bsp F	1" 1/4 Bsp F	1" 1/2 Bsp F	6138	216,49	1	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	450 l/min	120 USGpm
Rated Temperature	90 °C	195 °F

VB 3- UNLOADER VALVE

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.1900.00	3/8 Bspt M	3/8 Bsp M	3/8 Bsp F	390	13,75	40	✓
60.1900.05	3/8 Npt M	3/8 Npt M	3/8 Npt F	393	13,86	40	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F

On request - plastic knob 60.0315.84

VB 35 - BANJO CONNECTION - HOLLOW SCREW FITTING

P/N	Dist.betw.ports	Couplings	Pump type	Weight gr	Weight oz		
60.0845.00	X:4,5 Y:64	3/8 ×1/2 Bsp	AR RK	696	24,55	24	
60.0850.00	X:19 Y:62-73	3/8 ×1/2 Bsp	IP 44-47-50-60-63 SpeckNP16 Udor M	708	24,97	24	✓
60.0880.00	X:5 Y:53,5	3/8 ×1/2 Bsp	AR XT - HPE - Bertolini TW - KWE	681	24,02	24	✓
60.0860.00	X:19,5 Y:57	3/8 ×1/2 Bsp	IP.E1- E2 - E3	695	24,51	24	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F
Outlet		3/8 Bsp M

VB 35 - BANJO CONNECTION- HOLLOW SCREW FITTING- ADJUST.INJECTOR

P/N	Dist.betw.ports	Couplings	Pump type	Nozzle	Weight		
				mm	gr	oz	
60.0855.21	X:19 Y:62-73	3/8 ×1/2 Bsp	IP 50-44-47-60-63	2,1	827	29,17	20
60.0870.18	X:16 Y:57	3/8 ×1/2 Bsp	Udor	1,8	762	26,88	20
60.0870.21	X:16 Y:57	3/8 ×1/2 Bsp	Udor	2,1	763	26,91	20
60.0873.18	X:19,5 Y:57	3/8 ×1/2 Bsp	Udor PN	1,8	816	28,78	20

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F
Outlet		3/8 Bsp M
Injector		Adjustable

VB 5 - UNLOADER VALVE

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.1300.10	3/8 Bsp M	3/8 Bsp F	3/8 Bsp F	609	21,48	30	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

VB 56 - BANJO CONNECTION - HOLLOW SCREW FITTING -OUT. 3/8 BSP F F

P/N	Dist.betw.ports	Couplings	Pump type	Weight			
				gr	oz		
60.1350.10	X:19 Y:62-73	3/8 ×1/2 Bsp	IP 44-47-50-60-63 SpeckNP16	952	33,62	20	✓
60.1372.10	X:26 Y:66-76	3/8 ×1/2 Bsp	Leuco MT-LT	952	33,62	10	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Outlet		3/8 Bsp F

VB 56 - BANJO CONNECTION - HOLLOW SCREW FITTING -OUT. 3/8 BSP M

P/N	Dist.betw.ports	Couplings	Pump type	Weight		
				gr	oz	
60.1356.10	X:5 Y:53,5	3/8 ×1/2 Bsp	Bertol.TM-WM-TW-KWE	900	31,74	20
60.1362.10	X:4,5 Y:53-57	3/8 × 3/8 Bsp	Bertol.WJ	900	31,74	20
60.1350.32	X:19 Y:62-73	3/8 ×1/2 Bsp	IP 50-44-47-60-63	930	32,8	20

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Outlet		3/8 Bsp M

VB 7 - UNLOADER VALVE

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.0700.00	3/8 Bsp M	3/8 Bsp F	3/8 Bsp F	560	19,75	40	✓
60.0700.40	3/8 Bsp M	3/8 Bsp M	3/8 Bsp F	566	19,96	25	✓

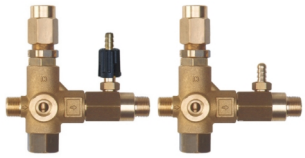
Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

On request - plastic knob 60.0315.84

VB 7 WITH INJECTOR

P/N	Injector	Nozzle mm	Outlet	Weight gr	Weight oz	
60.0750.21	Adjustable	2,1	3/8 Bsp M	688	24,27	25
60.0745.21	Fixed	2,1	3/8 Bsp M	670	23,6	30
60.0746.21	Fixed	2,1	A M22	688	24,26	30

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp M



VB 75 - BANJO CONNECTION - HOLLOW SCREW FITTING

P/N	Dist.betw.ports	Couplings	Pump type	Weight gr	Weight oz		
60.0753.00	X:0 Y:63	3/8 ×1/2 Bsp	Comet LW-ZW	880	31,04	20	
60.0765.00	X:5 Y:56	3/8 ×1/2 Bsp	AR- XM	856	30,19	20	✓
60.0770.00	X:4,5 Y:64	3/8 ×1/2 Bsp	AR-RK Comet FW	868	30,62	20	✓
60.0930.00	X:18 Y:62-73	3/8 ×1/2 Bsp	IP 44-47-50-60-63 SpeckNP16	900	31,7	20	✓
60.0950.00	X:0 Y:62	1/4 × 3/8 Bsp	IP serie 51	837	29,52	20	
60.0768.10	X:4,5 Y:64	3/8 ×1/2 Bsp	AR-RK Comet FW	869	30,65	20	

O-rings Viton

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

On request - plastic knob 60.0315.84

VB 8

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.1240.00	3/8 Bsp M	3/8 Bsp F	3/8 Bsp F	726	25,61	20	✓

With black plastic knob and panel fitting nut.

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Panel fitting	30 mm	1,18 in

VB 8 WITH MICRO-SWITCH-PR5

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.1280.00	3/8 Bsp M	3/8 Bsp F	3/8 Bsp F	758	26,74	12	✓
60.1290.00	3/8 Bsp M	3/8 Bsp F	3/8 Bsp F	815	28,7	12	✓

With black plastic knob and panel fitting nut.

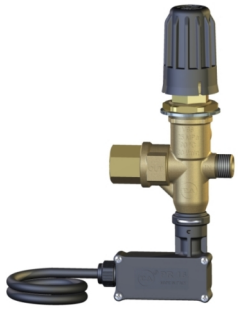
Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Max. Curr. Strength		6 (2) A
Max. Voltage		250 V

VB 8 WITH MICRO-SWITCH-PR16

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz	
60.1296.00	3/8 Bsp M	3/8 Bsp F	3/8 Bsp F	872	30,76	12

With black plastic knob and panel fitting nut.

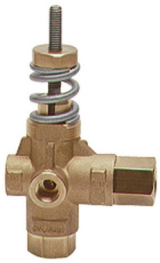
Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Max. Curr. Strength		16 (6) A
Max. Voltage		250 V



VB 9

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.2200.00	3/8 Bsp F	3/8 Bsp F	3/8 Bsp F	646	22,78	25	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F



VB 9 WITH KNOB AND PANEL FITTING

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.2250.00	3/8 Bsp F	3/8 Bsp F	3/8 Bsp F	770	27,2	25	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

VB 9 WITH KNOB AND MICRO-SWITCH

P/N	Inlet	Outlet	Bypass	Gauge bolt	Weight			
					gr	oz		
60.2350.00	3/8 Bsp F	3/8 Bsp F	3/8 Bsp F	1x 1/4 Bsp F	1022	36,33	12	✓
60.2365.00	3/8 Bsp F	3/8 Bsp F	3/8 Bsp F	2 x 1/4 Bsp F	1036	36,54	12	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Max. Curr. Strength		6 (2) A
Max. Voltage		250 V
Cable length	1000 mm	39,4 in

VB 10 WITH KNOB

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.1100.00	3/8 Bsp F	3/8 Bsp F	3/8 Bsp F	1100	38,8	12	✓
60.1100.50	3/8 Npt F	3/8 Npt F	3/8 Npt F	1100	38,8	12	✓
60.1150.00	3/8 Bsp F	3/8 Bsp F	3/8 Bsp F	1200	42,3	12	✓
Sst piston							

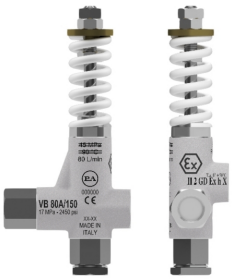
Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Residual pressure at close	62 bar - 6,2 MPa	900 psi
Min.bypass re-start	34 bar - 3,4 MPa	500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

Patent No.: I 1262632- Usa 5,372,157- J 2749512

VB 80A/150 - ATEX--AI 303-

P/N	Rated pr.		Permiss.press.		Couplings	Seals material	Weight		
	bar - MPa	psi	bar - MPa	psi			gr	oz	
60.0448.15	150 - 15	2200	170 - 17	2450	1/2 Bsp F	Ni 85	1226	43,24	1
60.0448.33	150 - 15	2200	170 - 17	2450	1/2 Bsp F	Epdm+FFKM (Kalrez)°	1226	43,24	1

Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Material		Stainless steel 303
Certification		ATEX



PULSAR ZERO WITH KNOB AND MICRO-SWITCH -ZEROED OUTLET PRESSURE, IN BYPASS

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.2450.00	3/8 Bsp F	3/8 Bsp F	2× 3/8Bsp F	1228	43,31	12	✓
60.2450.50	3/8 Npt F	3/8 Npt F	2× 3/8 Npt F	1250	44,09	12	

Permissible Pressure	280 bar - 28 MPa	4050 psi
Max. flow rate	40 l/min	10,5 USGpm
Min.flow rate	9 l/min	2,4 USGpm
Rated Temperature	60 °C	140 °F
Max. Temper.	90 °C	195 °F
Max. Curr. Strength		6 (2) A
Max. Voltage		250 V

Patent No.: I-1387704-/-US-2009-0205716-A1-/-EP 2 093 643 A2-/-ZL200810131662.7

VB80/280 ZERO - VALVE WITH ZEROED OUTLET PRESSURE, IN BYPASS

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.2800.00	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	1710	60,31	4	✓

Permissible Pressure	280 bar - 28 MPa	4050 psi
Min.flow rate	20 l/min	5,3 USGpm
Max. flow rate	80 l/min	21 USGpm
Rated Temperature	60 °C	140 °F
Max. Temper.	90 °C	195 °F
Material		Brass

Patent No.: I-1387704-/-US-2009-0205716-A1-/-EP 2 093 643 A2-/-ZL200810131662.7

VB80/280 ZERO WITH KNOB AND MICRO-SWITCH - VALVE WITH ZEROED OUTLET PRESSURE, IN BYPASS

P/N	Inlet	Outlet	Bypass	Weight		
				gr	oz	
60.2850.00	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	1825,2	64,4	1

Permissible Pressure	280 bar - 28 MPa	4050 psi
Max. flow rate	80 l/min	21 USGpm
Min.flow rate	20 l/min	5,3 USGpm
Rated Temperature	60 °C	140 °F
Max. Temper.	90 °C	195 °F
Max. Curr. Strength		6 (2) A
Max. Voltage		250 V

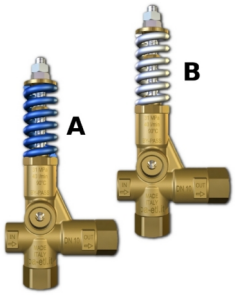
Patent No.: I-1387704-/-US-2009-0205716-A1-/-EP 2 093 643 A2-/-ZL200810131662.7

PULSAR RV - UNLOADER VALVE

P/N	Rated pr.		Permiss.press.		Type	Outlet	Weight			
	bar - MPa	psi	bar - MPa	psi			gr	oz		
60.0000.00	160 - 16	2300	180 - 18	2600	B	3/8 Bsp F	711	25,08	20	✓
60.0000.05	160 - 16	2300	180 - 18	2600	B	3/8 Npt F	712	25,11	25	✓
60.0000.60	280 - 28	4050	310 - 31	4500	A	3/8 Bsp F	744	26,24	20	✓
60.0000.63	280 - 28	4050	310 - 31	4500	A	3/8 Bsp F	744	26,24	25	
Shutter pin, Sst.										
60.0000.65	280 - 28	4050	310 - 31	4500	A	3/8 Npt F	744	26,24	25	✓

Rated Flow	40 l/min	10 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

Valves with 2 ports each for inlet and bypass : 3/8 Bsp F and/or 3/8Npt F

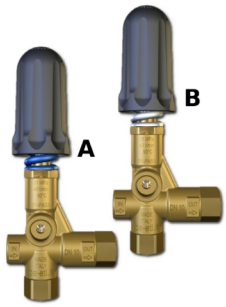


PULSAR RV - BYPASS VALVE WITH KNOB

P/N	Rated pr.		Permiss.press.		Type	Outlet	Weight			
	bar - MPa	psi	bar - MPa	psi			gr	oz		
60.0007.00	160 - 16	2300	180 - 18	2600	B	3/8 Bsp F	780	27,51	15	✓
60.0007.05	160 - 16	2300	180 - 18	2600	B	3/8 Npt F	780	27,51	15	✓
60.0007.60	280 - 28	4050	310 - 31	4500	A	3/8 Bsp F	780	27,51	15	✓
60.0007.63	280 - 28	4050	310 - 31	4500	A	3/8 Bsp M	777	27,4	15	✓
60.0007.65	280 - 28	4050	310 - 31	4500	A	3/8 Npt F	780	27,51	15	✓

Rated Flow	40 l/min	10 USGpm
Rated Temperature	90 °C	195 °F

Valves with 2 ports each for inlet and bypass : 3/8 Bsp F and/or 3/8Npt F



PULSAR RV - UNLOADER VALVE -NICKEL-PLATED BRASS

P/N	Rated pr.		Permiss.press.		Type	Outlet	Weight		
	bar - MPa	psi	bar - MPa	psi			gr	oz	
60.0000.62	280 - 28	4050	310 - 31	4500	A	3/8 Bsp F	744	26,24	25

Rated Flow	40 l/min	10 USGpm
Rated Temperature	90 °C	195 °F
Material		Nickel plated brass

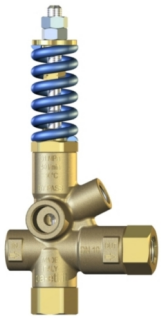
Valves with 2 ports each for inlet and bypass : 3/8 Bsp F and/or 3/8Npt F

PULSAR RV + 1/4 BSP F GAUGE PORT

P/N	Rated pr.		Permiss.press.		Weight		
	bar - MPa	psi	bar - MPa	psi	gr	oz	
60.0045.60	280 - 28	4050	310 - 31	4500	764	26,95	25 ✓

Rated Flow	40 l/min	10 USGpm
Rated Temperature	90 °C	195 °F
Inlet		2× 3/8 Bsp F
Outlet		3/8 Bsp F
Bypass		2× 3/8Bsp F
Gauge port		1x 1/4 Bsp F

With 1/4 Bsp F gauge port



PULSAR RV WITH KNOB/ GAUGE PORT

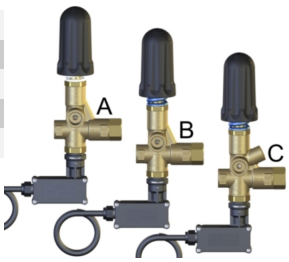
P/N	Rated pr.		Permiss.press.		Outlet	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.0016.00	160 - 16	2300	180 - 18	2600	3/8 Bsp F	781	27,55	15	✓
60.0016.60	280 - 28	4050	310 - 31	4500	3/8 Bsp F	803	28,32	15	✓
Gauge port									

Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Gauge port		1x 1/4 Bsp F

Valves with 2 ports each for inlet and bypass : 3/8 Bsp F - Suitable for recycled water and strong detergents.

PULSAR RV WITH MICRO-SWITCH/ KNOB CE

P/N	Rated pr.		Permiss.press.		Couplings	Gauge bolt	Type	Weight			
	bar - MPa	psi	bar - MPa	psi				gr	oz		
60.0006.00	160 - 16	2300	180 - 18	2600	3/8 Bsp FF	-	A	916	32,31	15	
60.0006.05	160 - 16	2300	180 - 18	2600	3/8 Npt F	-	A	890	31,39	15	
60.0006.60	280 - 28	4050	310 - 31	4500	3/8 Bsp FF	-	B	919	32,41	15	✓
60.0006.65	280 - 28	4050	310 - 31	4500	3/8 Npt F	-	B	920	32,45	10	✓
60.0013.60	280 - 28	4050	310 - 31	4500	3/8 Bsp FF	1x 1/4 Bsp F	C	916	32,31	10	✓



Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Max. Curr. Strength		16 (6) A
Max. Voltage		250 V

Suitable for recycled water and strong detergents.

PULSAR RV WITH MICRO-SWITCH CE

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.0023.60	280 - 28	4050	310 - 31	4500	3/8 Bsp FF	880	31,04	10	✓
60.0023.65	280 - 28	4050	310 - 31	4500	3/8 Npt F	884	31,18	10	

Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Max. Curr. Strength		16 (6) A
Max. Voltage		250 V

PULSAR RV - UNLOA.VAL. WITH EASY STARTER AND KNOB

P/N	Couplings	Weight			
		gr	oz		
60.0008.76	3/8 Bsp F	750	26,45	15	
Installation in vertical position.					
60.0007.86	3/8 Npt F	741	26,14	15	✓
Installation in vertical position.					

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

VB 280 WITH KNOB

P/N	Inlet	Outlet	Bypass	Weight		
				gr	oz	
60.1600.00	3/8 Bsp M	3/8 Bsp F	1/2 Bsp F	886	31,25	5

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

VB 285 WITH KNOB - BANJO CONNECTION - HOLLOW SCREW FITTING

P/N	Dist.betw.ports	Couplings	Pump type	Weight gr	Weight oz		
60.0960.00	X:18 Y:63	3/8 ×1/2 Bsp	IP serie 44- Udor MK	1248	44,02	10	✓

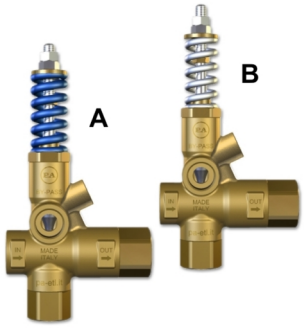
Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Outlet		3/8 Bsp F

VB 85/180 - VB 85/310 WITH GAUGE PORT

P/N	Rated pr. bar - MPa	Rated pr. psi	Permiss.press. bar - MPa	Permiss.press. psi	Couplings	Type	Weight gr	Weight oz		
60.0423.04	160 - 16	2300	180 - 18	2600	1/2 Bsp F	B	1138	40,14	4	✓
60.0423.64	280 - 28	4050	310 - 31	4500	1/2 Bsp F	A	1170	41,27	4	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Gauge port		1x 1/4 Bsp F
CE Mark		YES

With 1/4 Bsp F gauge port

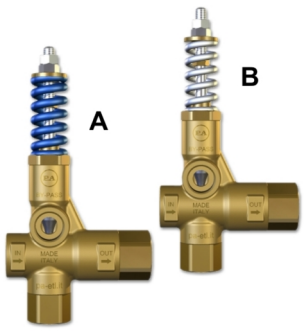


VB 85 R/180 - VB 85 R/310 --UNLOADER VALVE

P/N	Rated pr. bar - MPa	Rated pr. psi	Permiss.press. bar - MPa	Permiss.press. psi	Couplings	Type	Weight gr	Weight oz		
60.0423.00	160 - 16	2300	180 - 18	2600	1/2 Bsp F	B	1122	39,57	4	✓
60.0423.05	160 - 16	2300	180 - 18	2600	1/2 Npt F	B	1122	39,57	4	✓
60.0423.60	280 - 28	4050	310 - 31	4500	1/2 Bsp F	A	1152	40,63	4	✓
60.0423.65	280 - 28	4050	310 - 31	4500	1/2 Npt F	A	1152	40,63	4	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F

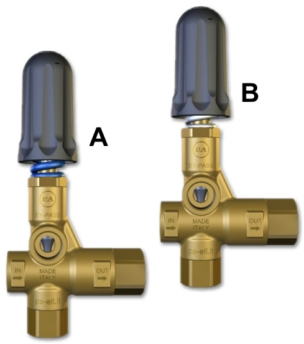
Suitable for recycled water and strong detergents.



VB 85 RV/180 - VB 85 RV/310-UNLOADER VALV. WITH KNOB

P/N	Type	Rated pr. bar - MPa	Rated pr. psi	Permiss.press. bar - MPa	Permiss.press. psi	Couplings	Weight gr	Weight oz		
60.0427.00	B	160 - 16	2300	180 - 18	2600	1/2 Bsp F	1164	41	4	✓
60.0427.05	B	160 - 16	2300	180 - 18	2600	1/2 Npt F	1142	40,28	4	
60.0427.60	A	280 - 28	4050	310 - 31	4500	1/2 Bsp F	1190	41,97	4	✓
60.0427.65	A	280 - 28	4050	310 - 31	4500	1/2 Npt F	1169	41,23	4	✓

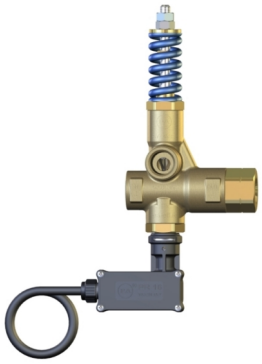
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F



VB85 RV/310 UNLOA.VAL. WITH MICRO-SWITCH CE

P/N	Rated pr.		Permiss.press.		Couplings	Type	Weight			
	bar - MPa	psi	bar - MPa	psi			gr	oz		
60.0484.65	280 - 28	4050	310 - 31	4500	1/2 Npt F	A	1154	40,7	12	

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Max. Curr. Strength		16 (6) A
Max. Voltage		250 V



VB33 - UNLOADER VALVE

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.1850.00	280 - 28	4050	310 - 31	4500	1/2 Bsp F	1058	37,32	4	✓
60.1850.50	280 - 28	4050	310 - 31	4500	1/2 Npt F	1088	38,37	4	✓
60.1850.00	280 - 28	4050	310 - 31	4500	1/2 Bsp F	1058	37,32	4	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

VB33- HT 28MPA - UNLOADER VALVE FOR HOT TEMPERATURE WATER

P/N	Rated pr.		Permiss.press.		Couplings	Type	Weight			
	bar - MPa	psi	bar - MPa	psi			gr	oz		
60.1820.00	280 - 28	4050	310 - 31	4500	1/2 Bsp F	A	1085	38,27	2	✓
60.1820.50	280 - 28	4050	310 - 31	4500	1/2 Npt F	A	1085	38,27	2	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Max. Temper.	85 °C	185 °F
Material		Brass

VB 200/280 - UNLOADER VALVE

P/N	Couplings	Weight			
		gr	oz		
60.4300.00	1" Bsp F	3482	122,81	1	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

VB 450 - 300 - UNLOADER VALVE

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.4030.00	1" 1/4 Bsp F	1" 1/4 Bsp F	1" 1/2 Bsp F	6141	216,6	1	✓

Rated Pressure	300 bar - 30 MPa	4350 psi
Permissible Pressure	330 bar - 33 MPa	4800 psi
Rated Flow	450 l/min	120 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

VB 80A/280 - AISI 303 ATEX

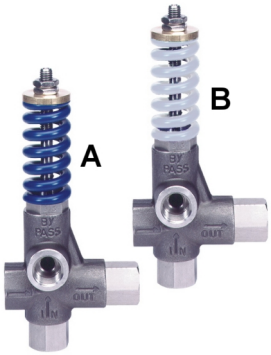
P/N	Rated pr.		Permiss.press.		Couplings	Weight		
	bar - MPa	psi	bar - MPa	psi		gr	oz	
60.0448.28	280 - 28	4050	310 - 31	4500	1/2 Bsp F	1275	45,1	1

Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Material		Stainless steel 303
Certification		ATEX

VB 80 /150-280 - AISI 316 -VITON O-RINGS

P/N	Rated pr.		Permiss.press.		Couplings	Type	Weight			
	bar - MPa	psi	bar - MPa	psi			gr	oz		
60.0450.00	150 - 15	2200	170 - 17	2450	1/2 Bsp F	B	1178	41,55	1	✓
60.0450.05	150 - 15	2200	170 - 17	2450	1/2 Npt F	B	1190	41,97	1	
60.0450.60	280 - 28	4050	310 - 31	4500	1/2 Bsp F	A	1214	42,82	1	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel Ai316
Seals material		FKM (Viton)°



VB 80A/150- 280 ATEX -AISI 316 -VITON O-RINGS

P/N	Rated pr.		Permiss.press.		Couplings	Type	Weight		
	bar - MPa	psi	bar - MPa	psi			gr	oz	
60.0458.15	150 - 15	2200	170 - 17	2450	1/2 Bsp F	B	1178	41,55	1
60.0458.28	280 - 28	4050	310 - 31	4500	1/2 Bsp F	A	1222	43,1	1

Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Material		Stainless steel Ai316
Seals material		FKM (Viton)°
Certification		ATEX

VB 23 - AISI 303 -VITON/EPDM O-RINGS

P/N	Rated pr.		Permiss.press.		Seals material	Weight		
	bar - MPa	psi	bar - MPa	psi		gr	oz	
60.1400.00	280 - 28	4050	310 - 31	4500	FKM (Viton)°	978	34,49	1
60.1420.18	280 - 28	4050	310 - 31	4500	Epdm	860	30,36	1

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Couplings		1/2 Bsp F
Material		Stainless steel 303

VB 26 - AISI 316 -VITON O-RINGS- UNLOADER VALVE

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.1400.60	280 - 28	4050	310 - 31	4500	1/2 Bsp F	853	30,09	1	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel Ai316
Seals material		FKM (Viton)°

VB 160/160-280 - UNLOADER VALVE -AISI 303

P/N	Rated pr.		Permiss.press.		Couplings	Weight		
	bar - MPa	psi	bar - MPa	psi		gr	oz	
60.4600.00	160 - 16	2300	180 - 18	2600	3/4 Bsp F	2435	85,9	1
60.4600.05	160 - 16	2300	180 - 18	2600	3/4 Npt F	2435	85,9	1
60.4600.60	280 - 28	4050	310 - 31	4500	3/4 Bsp F	2530	89,2	1
60.4600.65	280 - 28	4050	310 - 31	4500	3/4 Npt F	2530	89,2	1

Rated Flow	160 l/min	42 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel 303

PULSAR ZERO - VALVE WITH ZEROED OUTLET PRESSURE, IN BYPASS

P/N	Rated pr.		Permiss.press.		Inlet	Outlet	Bypass	Weight			
	bar - MPa	psi	bar - MPa	psi				gr	oz		
60.2400.00	280 - 28	4050	320 - 32	4550	3/8 Bsp F	3/8 Bsp F	2× 3/8Bsp F	1135	40,04	12	✓
60.2400.50	280 - 28	4050	320 - 32	4550	3/8 Npt F	3/8 Npt F	2× 3/8 Npt F	1135	40,04	12	✓
60.2435.00	350 - 35	5100	390 - 39	5650	3/8 Bsp F	3/8 Bsp F	2× 3/8Bsp F	1135	40,04	12	✓

Min.flow rate	9 l/min	2,4 USGpm
Max. flow rate	40 l/min	10,5 USGpm
Rated Temperature	60 °C	140 °F
Max. Temper.	90 °C	195 °F
Material		Brass

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VB 350 UNLOADER VALVE WITH KNOB

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.1700.00	3/8 Bsp M	3/8 Bsp F	1/2 Bsp F	920	32,45	5	✓
60.1700.50	3/8 Npt M	3/8 Npt F	1/2 Bsp F	926	32,66	5	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

VB 350 S

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.1750.00	3/8 Bsp M	3/8 Bsp F	1/2 Bsp F	880	31,04	20	✓
60.1800.00	3/8 Bsp M	3/8 Bsp F	1/2 Bsp F	970	34,21	1	✓

With MIN-MAX pressure setting

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

Valves with replaceable Stainless steel shutter seat

VB 350 WITH KNOB AND MICROSWITCH CE

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.1730.00	3/8 Bsp M	3/8 Bsp F	3/8 Bsp F	1212	42,75	2	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Max. Curr. Strength		6 (2) A
Max. Voltage		250 V
Material		Brass

VB 36

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.1860.00	350 - 35	5100	390 - 39	5650	1/2 Bsp F	884	31,18	4	✓
60.1860.50	350 - 35	5100	390 - 39	5650	1/2 Npt F	884	31,18	4	

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

VB36- HT 39MPA - UNLOADER VALVE FOR HOT TEMPERATURE WATER

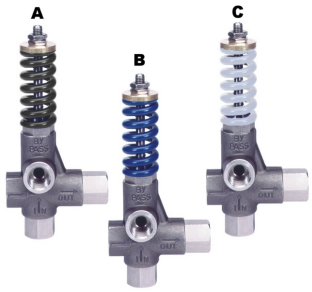
P/N	Rated pr.		Permiss.press.		Couplings	Type	Weight		
	bar - MPa	psi	bar - MPa	psi			gr	oz	
60.1870.50	350 - 35	5100	390 - 39	5650	1/2 Npt F	A	1085	38,27	2

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Max. Temper.	85 °C	185 °F
Material		Brass

VB 80/150 - 280 - 400 - AISI 303

P/N	Rated pr.		Permiss.press.		Couplings	Type	CE Mark	Weight			
	bar - MPa	psi	bar - MPa	psi				gr	oz		
60.0430.15	150 - 15	2200	170 - 17	2450	1/2 Bsp F	C	YES	1231	43,42	1	✓
60.0430.40	280 - 28	4050	310 - 31	4500	1/2 Bsp F	B	YES	1258	44,37	1	✓
60.0430.001	400 - 40	5800	450 - 45	6500	1/2 Bsp F	A	NO	1352	47,68	8	
60.0430.00	400 - 40	5800	450 - 45	6500	1/2 Bsp F	A	NO	1352	47,68	1	✓
60.0430.17	150 - 15	2200	170 - 17	2450	1/2 Npt F	C	YES	1199	42,29	1	
60.0430.45	280 - 28	4050	310 - 31	4500	1/2 Npt F	B	YES	1232	43,45	1	
60.0430.501	400 - 40	5800	450 - 45	6500	1/2 Npt F	A	NO	1330	47	8	
60.0430.50	400 - 40	5800	450 - 45	6500	1/2 Npt F	A	NO	1330	47	1	✓

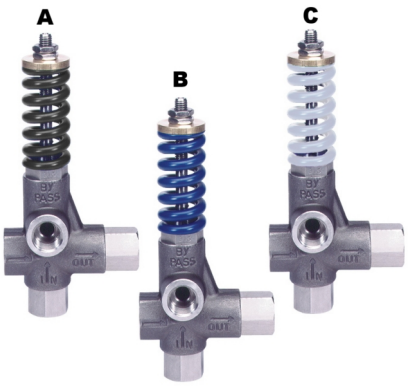
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel 303



VB 80/150 - 280 - 400 - AISI 303 -VITON O-RINGS

P/N	Rated pr.		Permiss.press.		Type	CE Mark	Weight			
	bar - MPa	psi	bar - MPa	psi			gr	oz		
60.0455.15	150 - 15	2200	170 - 17	2450	C	YES	1240	43,8	1	
60.0455.60	280 - 28	4050	310 - 31	4500	B	YES	1261	44,48	1	
60.0455.80	400 - 40	5800	450 - 45	6500	A	NO	1360	47,97	1	✓

Couplings		1/2 Bsp F
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel 303
Seals material		FKM (Viton)°



VB 80/280- 400 - NORSOK- UNLOADER VAL. DUPLEX SST - VITON O-RINGS

P/N	Rated Pressure		Permissible Pressure		Type	CE Mark	Weight		
	bar - MPa	psi	bar - MPa	psi			gr	oz	
60.4450.28	280 - 28	4050	310 - 31	4500	B	YES	1275	45,1	1
60.4450.40	400 - 40	5800	450 - 45	6500	A	YES	1360	47,97	1

Couplings		1/2 Bsp F
Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Material		Stainless steel duplex
Seals material		FKM (Viton)°
Certification		Norsok

VB 43 - AISI 303

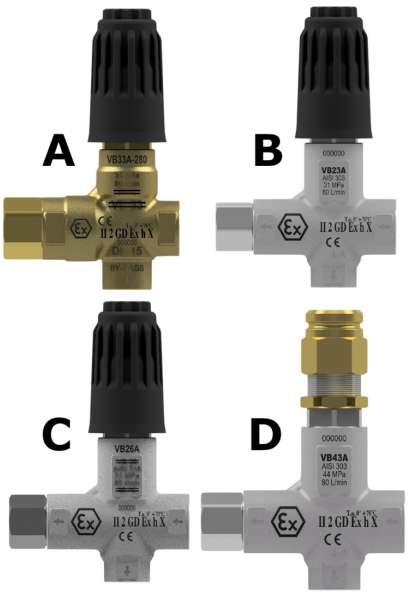
P/N	Rated pr.		Permiss.press.		Mat.	Weight		
	bar - MPa	psi	bar - MPa	psi		gr	oz	
60.1450.00	400 - 40	5800	440 - 44	6400	Sst Ai 303	974	34,35	1 ✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Couplings		1/2 Bsp FF

VB23A-VB26A-VB33A- VB43A - VALV BYPASS ATEX

P/N	Rated pr.		Permiss.press.		Mat.	Type	Weight		
	bar - MPa	psi	bar - MPa	psi			gr	oz	
60.1853.00	280 - 28	4050	310 - 31	4500	Brass	A	1058	37,32	1
60.1400.70	280 - 28	4050	310 - 31	4500	Sst Ai 303	B	978	34,49	1
60.1400.80	280 - 28	4050	310 - 31	4500	Sst Ai 316L	C	853	30,09	1
60.1455.00	400 - 40	5800	440 - 44	6400	Sst Ai 303	D	975	34,35	1

Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Couplings		1/2 Bsp FF
Certification		ATEX



VB 16

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.8000.00	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	3608	127,26	1	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Residual pressure at close	190 bar - 19 MPa	2750 psi
Min.bypass re-start	110 bar - 11 MPa	1600 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

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VB 53 - AISI 303

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.1470.00	500 - 50	7250	550 - 55	8000	1/2 Bsp F	1036	36,54	1	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel

VB 250/500 - UNLOADER VALVE AISI 303

P/N	Rated pr.		Permiss.press.		Couplings	Weight		
	bar - MPa	psi	bar - MPa	psi		gr	oz	
60.4500.00	500 - 50	7250	550 - 55	8000	1" Bsp F	7685	265	1

Rated Flow	250 l/min	66 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel

VB 83 - UNLOADER VALVE AISI 303

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.1630.00	800 - 80	11600	880 - 88	12800	1/2 Bsp F	2500	112,9	1	✓

Rated Flow	60 l/min	15,9 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel

VB60/600-400-250 ZERO - VALVE WITH ZEROED OUTLET PRESSURE, IN BYPASS

P/N	Type	Permiss.press.		Inlet	Outlet	Bypass	Weight			
		bar - MPa	psi				gr	oz		
60.2600.25	C	250 - 25	3600	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	2090	73,8	1	✓
60.2600.40	B	400 - 40	5800	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	2125	75	1	✓
60.2600.00	A	600 - 60	8700	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	2107	74,32	1	✓

Min.flow rate	9 l/min	2,4 USGpm
Max. flow rate	60 l/min	16 USGpm
Rated Temperature	60 °C	140 °F
Max. Temper.	90 °C	195 °F
Material		Stainless steel 303

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VB60/600 ZERO WITH MICRO-SWITCH- VALVE WITH ZEROED OUTLET PRESSURE, IN BYPASS

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.2650.00	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	2250	79,4	1	✓

Permissible Pressure	600 bar - 60 MPa	8700 psi
Max. flow rate	60 l/min	16 USGpm
Min.flow rate	9 l/min	2,4 USGpm
Rated Temperature	60 °C	140 °F
Max. Temper.	90 °C	195 °F
Material		Stainless steel 303
Max. Curr. Strength		6 (2) A
Max. Voltage		250 V

Patent No.: I-1387704-/-US-2009-0205716-A1-/-EP 2 093 643 A2-/-ZL200810131662.7 / Eu 2093643

VB40/1000 ZERO - VALVE WITH ZEROED OUTLET PRESSURE, IN BYPASS

P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.2900.00	3/8 Bsp F	3/8 Bsp F	3/8 Bsp F	4650	164	1	✓
60.2900.12	3/8 Bsp F	3/8 Bsp F	3/8 Bps M	4650	167,6	1	
Flow rate 9-15 litri/min							
60.2900.20	3/8 Bsp F	3/8 Bsp F	3/8 Bps M	4650	167,6	1	
Flow rate 15-25 litri/min							
60.2900.30	3/8 Bsp F	3/8 Bsp F	3/8 Bps M	4650	167,6	1	
Flow rate 25-35 litri/min							

Rated Pressure	1000 bar - 100 MPa	14500 psi
Permissible Pressure	1100 bar - 110 MPa	16000 psi
Min.flow rate	9 l/min	2,4 USGpm
Max. flow rate	40 l/min	10,5 USGpm
Rated Temperature	60 °C	140 °F
Max. Temper.	95 °C	203 °F
Material		Stainless steel 303

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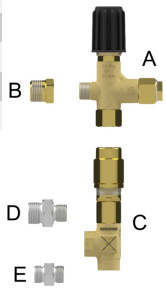
STR -ADJUSTING BYPASS NEEDLE

P/N	Rated Flow		Rated pr.		Permiss.press.		Inlet	Outlet	Type	Weight			
	l/min	USGpm	bar - MPa	psi	bar - MPa	psi				gr	oz		
60.2620.00	25	6,5	70 - 7	1015	80 - 8	1150	3/8 Bsp M	3/8 Bsp F	A	428	15,1	2	✓
60.2631.31R							1/2 Bsp M	3/8 Bsp F	B	37	1,3	2	
60.2635.00	60	16	110 - 11	1600	120 - 12	1740	3/8 Bsp F	3/8 Bsp F	C	404	14,25	2	
13.5030.00R							1/2 Bsp M	3/8 Bsp M	D	72	2,5	25	✓
13.5025.00R							3/8 Bsp M	3/8 Bsp M	E	43	1,5	25	✓



Outlet		3/8 Bsp F
Rated Temperature	90 °C	195 °F
Material		Brass

Adjustable pressure restrictor for bypass water, in "Zero" valve.

VS 30

P/N	Inlet	Bypass	Weight gr	Weight oz		
60.0560.30	1/4 Bsp M	1/8Bsp F+13mm h.barb	133	4,69	10	✓

Rated Pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	35 bar - 3,5 MPa	510 psi
Rated Flow	14 l/min	3,7 USGpm
Rated Temperature	90 °C	195 °F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 100 - AISI 316 - VITON O-RINGS

P/N	Rated pr. bar - MPa	Rated pr. psi	Permiss.press. bar - MPa	Permiss.press. psi	Weight gr	Weight oz		
60.0470.60	125 - 12,5	1813	140 - 14	2300	402	14,18	4	✓

Rated Flow	20 l/min	5,3 USGpm
Rated Temperature	90 °C	195 °F
Inlet		1/4 Bsp F
Bypass		1/4 Bsp F
Material		Stainless steel Ai316
Seals material		FKM (Viton)°

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 160

P/N	Inlet	Bypass	Weight gr	Weight oz		
60.0560.00	1/4 Bsp M	1/8Bsp F+13mm h.barb	138	4,87	10	✓

Rated Pressure	140 bar - 14 MPa	2000 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	14 l/min	3,7 USGpm
Rated Temperature	90 °C	195 °F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 450-200

P/N	Inlet	Bypass	Weight gr	Weight oz		
60.4120.00	1" 1/4 Bsp F	1" 1/4 Bsp F	3848	135,72	1	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	450 l/min	120 USGpm
Rated Temperature	90 °C	195 °F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 140 - VS 240

P/N	Rated pr.		Permiss.press.		Inlet	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.1550.00	140 - 14	2000	180 - 18	2600	3/8 Bsp M	174	6,14	15	✓
60.1560.00	240 - 24	3500	290 - 29	4200	3/8 Bsp M	174	6,14	15	✓
60.1570.00	140 - 14	2000	180 - 18	2600	3/8 Npt M	174	6,14	15	✓
60.1580.00	240 - 24	3500	290 - 29	4200	3/8 Npt M	175	6,17	15	✓

Rated Flow	24 l/min	6,3 USGpm
Rated Temperature	60 °C	140 °F
Shutter		Delrin ball

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 170 - VS 220 -1 INLET PORT

P/N	Rated pr.		Permiss.press.		Weight			
	bar - MPa	psi	bar - MPa	psi	gr	oz		
60.0540.00	150 - 15	2200	170 - 17	2450	368	12,98	40	✓
60.0515.00	220 - 22	3200	250 - 25	3650	370	13,05	40	✓

Rated Flow	24 l/min	6,3 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp F
Bypass		3/8 Bsp F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 170 - VS 220 - 2 INLET PORTS

P/N	Rated pr.		Permiss.press.		Bypass	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.0528.00	150 - 15	2200	170 - 17	2450	3/8 Bsp F	406	14,2	40	✓
60.0525.00	220 - 22	3200	250 - 25	3650	3/8 Bsp F	406	14,2	40	✓
60.0525.15	220 - 22	3200	250 - 25	3650	1/4 Bsp M	389	13,72	40	✓
60.0530.00	150 - 15	2200	170 - 17	2450	3/8 Npt F	406	14,2	40	

Inlet ports : 2 × 3/8 Npt F

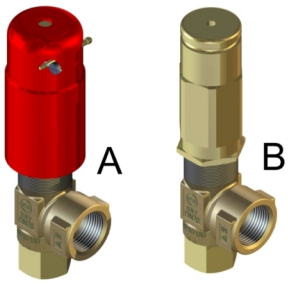
Rated Flow	24 l/min	6,3 USGpm
Rated Temperature	90 °C	195 °F
Inlet		2× 3/8 Bsp F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 200/200

P/N	Inlet	Bypass	Type	Weight			
				gr	oz		
60.5100.15	3/4 Bsp F	1/2 Bsp F	B	816	28,78	4	✓
60.5100.00	3/4 Npt F	1/2 Npt F	B	821	28,96	4	✓
60.5115.00	3/4 Bsp F	1/2 Bsp F	A	905	31,92	4	✓

Possibility to seal calibration



Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	90 °C	195 °F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 28 / 1 - 2 - 3

P/N	Type	Rated Flow Rate		Weight			
		l/min	USGpm	gr	oz		
60.0555.00	1	8 - 12	2,1 - 3,2	56	1,98	10	✓
60.0555.20	2	12 - 16	3,2 - 4,2	56	1,98	10	✓
60.0555.30	3	16 - 19,5	4,2 - 5,15	56	1,98	10	✓

Rated Pressure	100-250 bar	1450-3650 psi
Rated Temperature	108 °C	225 °F
Shutter		Sst. ball
Inlet		1/4 Bspt M
Outlet		16mm hose barb

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 28 / 1 - 2 PRESSURE ADJUSTED

P/N	Type	Rated Flow		Operat. press.		Weight			
		l/min	USGpm	bar - MPa	psi	gr	oz		
60.0555.15	1	8-12	2,1-3,2	165 - 16,5	2390	56	1,98	10	
60.0555.16	2	12-16	3,2-4,2	165 - 16,5	2390	56	1,98	10	✓
60.0555.22	2	12-16	3,2-4,2	220 - 22	3200	56	1,98	10	✓

Rated Temperature	108 °C	225 °F
Shutter		Sst. ball
Inlet		1/4 Bspt M
Outlet		16mm hose barb

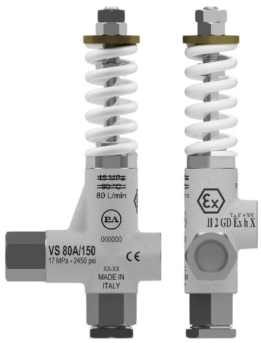
The safety valves supplied are pressure adjusted (±3%) and sealed

VS 80/150 - AISI 303 ATEX

P/N	Rated pr.		Permiss.press.		Weight			
	bar - MPa	psi	bar - MPa	psi	gr	oz		
60.0593.00	150 - 15	2200	170 - 17	2450	1196	42,18	1	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Couplings		1/2 Bsp F
Material		Stainless steel 303
Certification		ATEX

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.



VS 80/150-280 AISI 316 - VITON O-RINGS-ATEX

P/N	Rated pr.		Permiss.press.		Type	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.0590.00	150 - 15	2200	170 - 17	2450	B	1204	42,47	1	
60.0590.60	280 - 28	4050	310 - 31	4500	A	1238	43,67	1	✓

Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Couplings		1/2 Bsp F
Material		Stainless steel Ai316
Seals material		FKM (Viton)°
Certification		ATEX

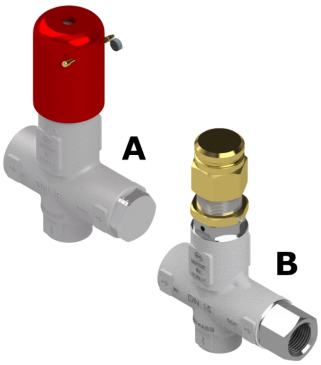
The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 23 AI303- VS23- DUPLEX VS 26 - AISI 316 - VITON O-RINGS

P/N	Material	Rated pr.		Permiss.press.		Type	Weight		
		bar - MPa	psi	bar - MPa	psi		gr	oz	
60.1423.00R	Stainless steel 303	280 - 28	4050	310 - 31	4500	A	920	32,45	1
60.1430.00	Stainless steel duplex	280 - 28	4050	310 - 31	4500	A	920	32,45	1
60.1540.00	Stainless steel Ai316	280 - 28	4050	310 - 31	4500	B	856	30,19	1

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Inlet		1/2 Bsp F
Bypass		1/2 Bsp F
Seals material		FKM (Viton)°

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manua



VS 450-300

P/N	Inlet	Bypass	Weight			
			gr	oz		
60.4130.00	1" 1/4 Bsp F	1" 1/4 Bsp F	3970	140,03	1	✓

Rated Pressure	300 bar - 30 MPa	4350 psi
Permissible Pressure	330 bar - 33 MPa	4800 psi
Rated Flow	450 l/min	120 USGpm
Rated Temperature	90 °C	195 °F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 310 -1 INLET PORT

P/N	Rated pr.		Permiss.press.		Weight			
	bar - MPa	psi	bar - MPa	psi	gr	oz		
60.0500.00	310 - 31	4500	350 - 35	5100	380	13,4	4	✓

Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp F
Bypass		3/8 Bsp F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

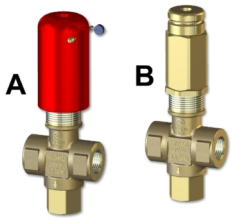
VS 350

P/N	Inlet	Bypass	Type	Weight			
				gr	oz		
60.0580.00	2× 3/8 Bsp F	3/8 Bsp F	B	480	16,93	25	✓
60.0588.00	2× 3/8 Bsp F	3/8 Bsp F	A	526	18,55	25	

Possibility to seal calibration

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.



VS 360

P/N	Rated pr.		Permiss.press.		Weight			
	bar - MPa	psi	bar - MPa	psi	gr	oz		
60.1520.00	350 - 35	5100	390 - 39	5650	924	32,59	5	✓

Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp MF
Bypass		1/2 Bsp F

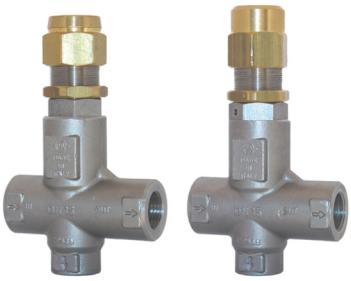
The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 24 - VS 43 - AISI 303

P/N	Rated pr.		Permiss.press.		Type	Weight		
	bar - MPa	psi	bar - MPa	psi		gr	oz	
60.1530.00	280 - 28	4050	310 - 31	4500	A	852	30,05	5
60.1535.00	400 - 40	5800	440 - 44	6400	B	896	31,6	5

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Inlet		1/2 Bsp F
Bypass		1/2 Bsp F
Material		Stainless steel 303

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.



VS 26A - VS 43A - ATEX

P/N	Rated pr.		Permiss.press.		Mat.	Type	Weight		
	bar - MPa	psi	bar - MPa	psi			gr	oz	
60.1545.00	280 - 28	4050	310 - 31	4500	Sst Ai 316L	A	856	30,19	1
60.1538.00	400 - 40	5800	440 - 44	6400	Sst Ai 303	B	896	31,6	1

Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Inlet		1/2 Bsp F
Bypass		1/2 Bsp F
Certification		ATEX

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 80/400 - AISI 303 - ATEX

P/N	Inlet	Bypass	Certification	Weight			
				gr	oz		
60.0550.00	1/2 Bsp F	1/2 Bsp F	ATEX	1276	45	1	✓
60.0550.50	1/2 Npt F	1/2 Npt F	-	1250	44,3	1	

Rated Pressure	400 bar - 40 MPa	5800 psi
Permissible Pressure	450 bar - 45 MPa	6500 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Material		Stainless steel 303

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 80/280-400 - NORSOK -SST. DUPLEX - VITON O-RINGS

P/N	Rated pr.		Permiss.press.		Type	Weight		
	bar - MPa	psi	bar - MPa	psi		gr	oz	
60.4590.28	280 - 28	4050	310 - 31	4500	B	1304	45,99	1
60.4590.40	400 - 40	5800	450 - 45	6500	A	1304	45,99	1

Rated Flow	80 l/min	21 USGpm
Rated Temperature	70 °C	158 °F
Couplings		1/2 Bsp F
Material		Stainless steel duplex
Seals material		FKM (Viton)°
Certification		Norsok

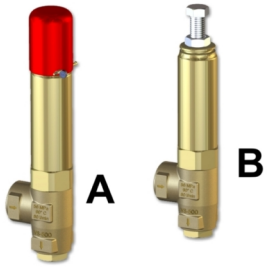
The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 500-VS 500/310

P/N	Rated pr.		Permiss.press.		Type	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.5200.00	500 - 50	7250	560 - 56	8100	B	1461	51,53	1	✓
60.5230.00	310 - 31	4500	350 - 35	4900	B	1461	51,53	1	✓
60.5212.00	500 - 50	7250	560 - 56	8100	A	1518	53,54	1	✓
Possibility to seal calibration									
60.5232.00	310 - 31	4500	350 - 35	4900	A	1518	53,54	1	
Possibility to seal calibration									

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Inlet		1/2 Bsp F
Bypass		3/8 Bsp F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.



VS 500- PRESSURE ADJUSTED VALVE.

P/N	Operat. press.		Type	Weight		
	bar - MPa	psi		gr	oz	
60.5212.30	300 - 30	4350	A	1518	53,54	1
Possibility to seal calibration						
60.5212.55	550 - 55	7950	A	1518	53,54	1
Possibility to seal calibration						

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Inlet		1/2 Bsp F
Bypass		3/8 Bsp F

The valves supplied are PRESSURE ADJUSTED. See Technical Manual.

VS 500- SST

P/N	Rated pr.		Permiss.press.		Weight		
	bar - MPa	psi	bar - MPa	psi	gr	oz	
60.0690.00	500 - 50	7250	560 - 56	8100	1300	45,85	1

Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel 303
Inlet		3/8 Bsp F
Bypass		3/8 Bsp F

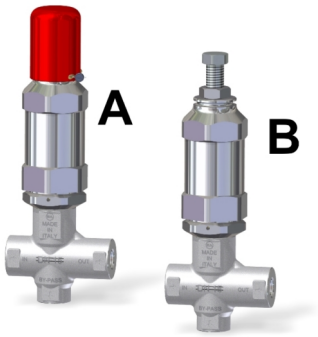
The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VS 660

P/N	Inlet	Bypass	Type	Weight		
				gr	oz	
60.0650.00	3/8 Bspt F	1/2 Bspt F	B	1845	65	1
60.0645.00	3/8 Bspt F	1/2 Bspt F	A	1888	66,59	1

Rated Pressure	660 bar - 66 MPa	9500 psi
Permissible Pressure	720 bar - 72 MPa	10450 psi
Rated Flow	60 l/min	16 USGpm
Rated Temperature	90 °C	195 °F
Material		Sst.+ nick.pl. brass

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

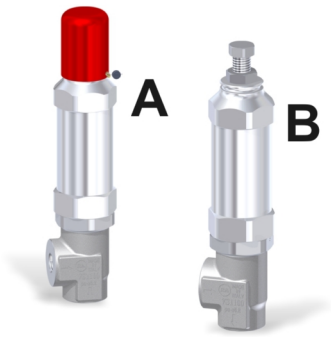


VS 1100

P/N	Inlet	Bypass	Type	Weight			
				gr	oz		
60.0680.00	3/8 Bsp F	3/8 Bsp F	A	2100	74	1	✓

Rated Pressure	1000 bar - 100 MPa	14500 psi
Permissible Pressure	1200 bar - 120 MPa	17500 psi
Min. operating pressure	200 bar - 20 MPa	2900 psi
Rated Flow	40 l/min	10,6 USGpm
Rated Temperature	100 °C	212 °F
Max. working temperature	120 °C	248 °F
Material		Sst.+ nick.pl. brass

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.



"VS 1200 FL" POP-OFF VALVE

P/N	Inlet	Bypass	Weight		
			gr	oz	
60.3000.00	3/8 Bsp F	3/8 Bsp F	2200	77,5	1

Rated Pressure	1000 bar - 100 MPa	14500 psi
Permissible Pressure	1200 bar - 120 MPa	17400 psi
Min. operating pressure	200 bar - 20 MPa	2900 psi
Rated Flow	40 l/min	10,6 USGpm
Min.flow rate	9 l/min	2,4 USGpm
Rated Temperature	60 °C	140 °F
Max. working temperature	90 °C	195 °F

The valves supplied are NOT PRESSURE ADJUSTED. They become a SAFETY device when adjusted by the installer on the machine. See Technical Manual.

VRP 175

P/N	Inlet	Bypass	Weight			
			gr	oz		
60.0545.00	2× 1" Bsp F	1" Bsp F	1956	68,99	1	✓
60.0545.50	2 x 1" Npt F	1" Npt F	1956	68,99	1	

Rated Pressure	150 bar - 15 MPa	2200 psi
Permissible Pressure	170 bar - 17 MPa	2450 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	90 °C	195 °F

VRP 450-200

P/N	Inlet	Bypass	Weight			
			gr	oz		
60.4220.00	2× 1" 1/4 Bsp F	1" 1/2 Bsp F	5895	208	1	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	450 l/min	120 USGpm
Rated Temperature	90 °C	195 °F

VRP 200

P/N	Rated pr.		Permiss.press.		Couplings	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.0220.00	100 - 10	1450	120 - 12	1750	3/8 Bsp F	570	20,1	25	✓
60.0220.05	100 - 10	1450	120 - 12	1750	3/8 Npt F	556	19,61	25	✓
60.0220.60	220 - 22	3200	250 - 25	3650	3/8 Bsp F	605	21	25	✓
60.0220.65	220 - 22	3200	250 - 25	3650	3/8 Npt F	586	20,67	25	✓

Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

VRP 280

P/N	Inlet	Outlet	Bypass	Weight		
				gr	oz	
60.0542.00	3/8 Bsp M	3/8 Bsp F	1/2 Bsp F	823	29	5

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

VRP 26 - AISI 316 - VITON O-RINGS

P/N	Rated pr.		Permiss.press.		Weight			
	bar - MPa	psi	bar - MPa	psi	gr	oz		
60.0675.00	280 - 28	4050	310 - 31	4500	836	29,51	1	

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Couplings		1/2 Bsp F
Material		Stainless steel Ai316
Seals material		FKM (Viton)°

VRP 450-300

P/N	Inlet	Bypass	Weight			
			gr	oz		
60.4230.00	2× 1" 1/4 Bsp F	1" 1/2 Bsp F	5980	197	1	

Rated Pressure	300 bar - 30 MPa	4350 psi
Permissible Pressure	330 bar - 33 MPa	4800 psi
Rated Flow	450 l/min	120 USGpm
Rated Temperature	90 °C	195 °F

VRP 350

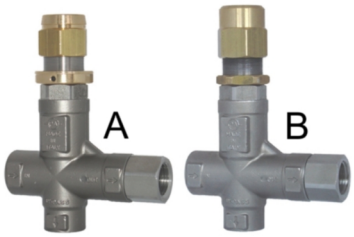
P/N	Inlet	Outlet	Bypass	Weight			
				gr	oz		
60.0660.00	3/8 Bsp M	3/8 Bsp F	1/2 Bsp F	823	29	1	

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

VRP 23 - VRP 43 - AISI 303

P/N	Rated pr.		Permiss.press.		Type	Weight			
	bar - MPa	psi	bar - MPa	psi		gr	oz		
60.0665.00	280 - 28	4050	310 - 31	4500	A	930	32,8	1	✓
60.0670.00	400 - 40	5800	440 - 44	6400	B	958	33,79	1	

Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Couplings		1/2 Bsp F
Material		Stainless steel 303



VRP 600

P/N	Inlet	Bypass	Weight			
			gr	oz		
60.5400.00	1/2 Bsp F	1/2 Bsp F	950	33,51	1	✓

Rated Pressure	560 bar - 56 MPa	8100 psi
Permissible Pressure	600 bar - 60 MPa	8700 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel 303

VRPP 170 AIR-CONTROLLED

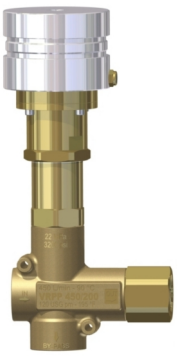
P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.5300.00	1 Bsp F	1" Bsp F	1" Bsp F	4015	141,7	1	✓

Rated Pressure	150 bar - 15 MPa	2200 psi
Permissible Pressure	170 bar - 17 MPa	2450 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	90 °C	196 °F
Required air pressure	6 bar - 0,6 MPa	87 psi
Compressed air fitting		1/4 Bsp F

VRPP 450-200 AIR-CONTROLLED

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.5360.00	1" 1/4 Bsp F	1" 1/4 Bsp F	1" 1/4 Bsp F	8546	301,42	1	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	450 l/min	120 USGpm
Rated Temperature	90 °C	196 °F
Required air pressure	6 bar - 0,6 MPa	87 psi
Compressed air fitting		1/4 Bsp F



VRPP 33 - HT AIR-CONTROLLED

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz	
60.5333.00	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	3784	133,47	1

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	196 °F
Max. Temper.	85 °C	185 °F
Material		Brass
Required air pressure	6 bar - 0,6 MPa	87 psi
Compressed air fitting		1/4 Bsp F

VRPP 26 - AISI316 AIR-CONTROLLED

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz	
60.5350.00	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	3784	133,47	1

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	196 °F
Material		Stainless steel Ai316
Required air pressure	6 bar - 0,6 MPa	87 psi
Compressed air fitting		1/4 Bsp F

VRPP 200-280 AIR-CONTROLLED

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.5330.00	1 Bsp F	1" Bsp F	1" Bsp F	5386	189,97	1	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	90 °C	196 °F
Required air pressure	6 bar - 0,6 MPa	87 psi
Compressed air fitting		1/4 Bsp F

VRPP 600 - AISI 303 AIR-CONTROLLED

P/N	Inlet	Outlet	Bypass	Weight gr	Weight oz		
60.5450.00	1/2 Bsp F	1/2 Bsp F	1/2 Bsp F	3820	134,73	1	✓

Rated Pressure	560 bar - 56 MPa	8100 psi
Permissible Pressure	600 bar - 60 MPa	8700 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F
Required air pressure	6 bar - 0,6 MPa	87 psi
Compressed air fitting		1/4 Bsp F

VNR - O BRASS CHECK VALVE

P/N	Rated Flow		Rated Ø	Couplings	Weight			
	l/min	USGpm			gr	oz		
60.2040.00	25	6,5	8	1/4 Bsp FF	58	2,05	15	✓
60.2050.00	40	10,5	10	3/8 Bsp FF	112	3,95	15	✓
60.2065.00	80	21	15	1/2 Bsp FF	200	7,1	15	✓
60.2075.00	180	47,6	20	3/4 Bsp FF	370	13,1	15	✓

Rated Pressure	150 bar - 15 MPa	2200 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Temperature	90 °C	195 °F
Material		Brass

VNR - OHD BRASS CHECK VALVE

P/N	Rated Flow		Rated Ø	Couplings	Weight			
	l/min	USGpm			gr	oz		
60.2100.00	25	6,5	8	1/4 Bsp FF	114	4	10	✓
60.2120.00	40	10,5	10	3/8 Bsp FF	192	6,8	10	✓
60.2140.00	80	21	15	1/2 Bsp FF	446	15,7	10	✓
60.2150.00	140	37	20	3/4 Bsp FF	822	28,99	2	✓
60.2160.00	200	53	25	1" Bsp F	1348	47,55	1	✓
60.2170.00	450	120	32	1"1/4 Bsp FF	1954	68,92	1	

Rated Pressure	280 bar - 28 MPa	4000 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Temperature	90 °C	195 °F
Material		Brass

VNR - IHD- STAINLESS STEEL CHECK VALVE

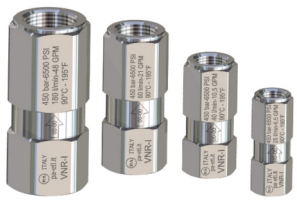
P/N	Rated Flow		Rated Ø	Couplings	Weight		
	l/min	USGpm			gr	oz	
60.2145.00	80	21	15	1/2 Bsp FF	544	19,19	2

Rated Pressure	350 bar - 35 MPa	5000 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Temperature	90 °C	195 °F
Material		Stainless steel

VNR - I STAINLESS STEEL CHECK VALVE

P/N	Rated Flow		Rated Ø	Couplings	Seals material	Weight			
	l/min	USGpm				gr	oz		
60.2030.00	25	6,5	8	1/4 Bsp FF	FKM (Viton)°	54	1,9	15	✓
60.2010.18	25	6,5	8	1/4 Bsp FF	Epdm	54	1,9	15	✓
60.2030.50	25	6,5	8	1/4 Npt FF	FKM (Viton)°	54	1,9	15	✓
60.2020.00	40	10,5	10	3/8 Bsp FF	FKM (Viton)°	104	3,7	15	✓
60.2020.50	40	10,5	10	3/8 Npt FF	FKM (Viton)°	104	3,7	15	✓
60.2070.00	80	21	15	1/2 Bsp FF	FKM (Viton)°	188	6,63	15	✓
60.2070.50	80	21	15	1/2 Npt FF	FKM (Viton)°	193	6,81	15	✓
60.2080.00	180	47,6	20	3/4 Bsp FF	FKM (Viton)°	344	12,13	15	✓

Rated Pressure	400 bar - 40 MPa	5800 psi
Permissible Pressure	450 bar - 45 MPa	6500 psi
Rated Temperature	90 °C	195 °F
Material		Stainless steel



RF1 - FLOW REGULATOR

P/N	Inlet	Outlet	Weight		
			gr	oz	
29.0400.00	1/4 Bsp M	1/4 Bsp F	186	6,56	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

Throttling regulator for adjustable flow control

RV1- STEAM VALVE

P/N	Nozzle Size	Couplings	Col.	Weight			
				gr	oz		
29.0920.08	01	1/4 Bsp MM	Red	163	5,75	10	
29.0920.12	02	1/4 Bsp MM	Red	162	5,71	10	✓
29.0920.82	02	1/4 Bsp MM	Blue	162	5,71	10	
29.0920.15	03	1/4 Bsp MM	Red	162	5,71	10	✓
29.0920.65	03	1/4 Bsp MM	Black	155	5,4	10	
29.0920.85	03	1/4 Bsp MM	Blue	163	5,75	10	
29.0920.20	043	1/4 Bsp MM	Red	162	5,71	10	✓
29.0920.70	043	1/4 Bsp MM	Black	163	5,75	10	✓

Panel fitting	17 mm	3/4" in
Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Temperature	80 °C	175 °F

Throttling nozzle for bypass flow control

ES1 -EASY STARTER

P/N	Inlet	Hose barb		Weight			
		mm	in	gr	oz		
29.0100.60	1/4 Bsp M	8	1/4	126	4,44	15	✓
29.0100.50	3/8 Bsp M	8	1/4	134	4,73	15	✓
29.0100.00	3/8 Npt M	8	1/4	136	4,8	15	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	80 °C	175 °F

It delays pressure increase by pump start.

RG1 - THROTTLE CONTROL

P/N	Working press.		Stroke		Weight			
	bar	psi	mm	in	gr	oz		
29.0120.00	15-250	218-3650	7	0,27	140	4,94	5	✓
29.0130.00	15-250	218-3650	14	0,54	158	5,57	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M

For engine motors - It slows RPM down when bypass is activated

RGV - THROTTLE CONTROL-ADJUSTABLE STROKE

P/N	Working press.		Stroke		Weight		
	bar	psi	mm	in	gr	oz	
29.0410.00	7-350	100-5100	7-15	0,28-0,55	260	9,21	5

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Temperature	160 °C	320 °F
Max. working temperature	90 °C	195 °F
Inlet		1/4 Bsp M

For engine motors - It slows RPM down when bypass is activated

RGV 500 - THROTTLE CONTROL-ADJUSTABLE STROKE

P/N	Working press.		Stroke		Weight		
	bar	psi	mm	in	gr	oz	
29.0420.00	7-550	100-8000	7-15	0,28-0,55	162	5,71	5

Rated Pressure	500 bar - 50 MPa	7300 psi
Permissible Pressure	550 bar - 55 MPa	8000 psi
Rated Temperature	160 °C	320 °F
Max. working temperature	90 °C	195 °F
Inlet		1/4 Bsp M

For engine motors - It slows RPM down when bypass is activated

RL 124

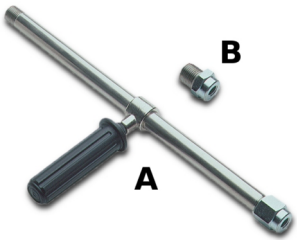
P/N	Inlet	Outlet	Weight gr	Weight oz		
30.5300.00	1/2 Bsp F	1/2 Bsp F	1280	45,15	1	✓

Rated Pressure	120 bar - 12 MPa	1750 psi
Permissible Pressure	135 bar - 13,5 MPa	1950 psi
Rated Flow	120 l/min	32 USGpm
Rated Temperature	100 °C	210 °F
Extensions		30.4000.40-80

RL124 LANCE AND NOZZLE HOLDER

P/N	Length mm	Length in.	Inlet	Outlet	Type	Weight gr	Weight oz		
30.4000.40	400	15,7	1/2 Bsp M	1/4 Npt F	A	745	26,28	1	✓
30.4000.80	800	31,5	1/2 Bsp M	1/4 Npt F	A	1264	44,58	1	✓
30.5018.61R			Nipple 1/2 Bsp M	1/4 Npt F	B	55	2	1	
Nozzle holder									

Rated Pressure	120 bar - 12 MPa	1750 psi
Permissible Pressure	135 bar - 13,5 MPa	1950 psi
Rated Flow	120 l/min	32 USGpm
Rated Temperature	43 °C	109 °F
Material		Zinc plated steel



RL 34 + SW - FOAM GUN - WIDE PASSAGES

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2900.00	+ sw. 1/2 Bsp F	1/2 Bsp F	645	22,75	2	✓
Inlet with swivel						

Rated Pressure	180 bar - 18 MPa	2600 psi
Permissible Pressure	200 bar - 20 MPa	2900 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	160 °C	320 °F
Material		Brass

Brass spray gun, with wider inner passages

RL 82 + SW - SST FOAM GUN

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2800.00	+ sw. 1/2 Bsp F	1/2 Bsp F	616	21,73	2	✓
Inlet with swivel						

Rated Pressure	180 bar - 18 MPa	2600 psi
Permissible Pressure	200 bar - 20 MPa	2900 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel

Sst spray gun, with wider inner passages

RL 86 + SW - SST AI 316 FOAM GUN

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2830.60	+ sw. 1/2 Bsp F	1/2 Bsp F	626	22,08	2	✓
Inlet with swivel						

Rated Pressure	180 bar - 18 MPa	2600 psi
Permissible Pressure	200 bar - 20 MPa	2900 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel Ai316

Sst spray gun, with wider inner passages

RL 16

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.0000.20	1/4 Bsp F	1/4 Bsp F	256	9,03	20	✓
30.0000.40	1/4 Bsp M	1/4 Bsp F	256	9,03	20	✓
30.0000.00	3/8 Bsp F	1/4 Bsp F	270	9,52	20	✓
30.0000.50	3/8 Npt F	1/4 Npt F	269	9,49	20	✓
30.0000.45	A M22	1/4 Bsp F	270	9,52	20	

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	175 bar - 17,5 MPa	2550 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	100 °C	210 °F

RL 11

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.0800.00	3/8 Bsp F	1/4 Bsp F	434	15,31	20
30.0800.20	A M22	1/4 Bsp F	431	15,2	20

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	175 bar - 17,5 MPa	2550 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	100 °C	210 °F

LINEAR 100/170

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.0650.00	1/2 Bsp F	1/2 Bsp F	1176	41,48	1
30.0650.50	1/2 Npt F	1/2 Npt F	1176	41,48	1 ✓

Rated Pressure	170 bar - 17 MPa	2500 psi
Permissible Pressure	190 bar - 19 MPa	2800 psi
Rated Flow	100 l/min	27 USGpm
Rated Temperature	100 °C	210 °F

RL 20

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.0100.20	1/4 Bsp F	1/4 Bsp F	262	9,24	20	✓
30.0100.30	1/4 Bsp M	1/4 Bsp F	256	9,03	20	
30.0100.00	3/8 Bsp F	1/4 Bsp F	272	9,59	20	✓
30.0100.60	3/8 Bsp M	1/4 Bsp F	265	9,3	20	✓
30.0100.40	A M22	1/4 Bsp F	280	9,87	20	
30.0100.50	3/8 Npt F	1/4 Npt F	276	9,73	20	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RP30/160 - RP80/160 - RP120/160 - PNEUMATIC ON-OFF GUNS

P/N	Rated Flow l/min	Rated Flow USGpm	Inlet	Outlet	Weight gr	Weight oz		
30.3280.00	30	8	1/4 Bsp F	1/4 Bsp F	548	19,33	1	✓
30.3260.00	80	21	1/2 Bsp F	1/2 Bsp F	1080	38,1	1	✓
30.3200.00	120	32	3/4 Bsp F	3/4 Bsp F	1862	65,61	1	✓

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	175 bar - 17,5 MPa	2550 psi
Rated Temperature	90 °C	195 °F
Required air pressure	7 bar - 0,7 MPa	101 psi
Compressed air fitting		1/4 Bsp F

RP200/200 - PNEUMATIC ON-OFF GUNS NEW

P/N	Rated Flow l/min	Rated Flow USGpm	Inlet	Outlet	Weight gr	Weight oz		
30.3240.00	200	53	1 Bsp F	1" Bsp F	2400	49,38	1	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Temperature	90 °C	195 °F
Required air pressure	7 bar - 0,7 MPa	101 psi
Compressed air fitting		1/4 Bsp F

RL 204

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.5200.00	3/4 Bsp F	1/2 Bsp F	1331	46,94	1	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	100 °C	210 °F
Extensions		30.5000.40-80-92

RL 204 + SW.5

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.5230.00	+ sw.5 3/4Bsp F	1/2 Bsp F	1348	47,5	1

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	100 °C	210 °F
Extensions		30.5000.40-80-92

LINEAR 80/210 NEW

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.0690.50	1/2 Npt F	1/2 Npt F	1222	431	1	✓

Rated Pressure	210 bar - 21 MPa	3050 psi
Permissible Pressure	230 bar - 23 MPa	3340 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	100 °C	210 °F

RL 26

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.1755.15	1/4 Bsp M	1/4 Bsp F	390	13,65	20	
30.1755.00	3/8 Bsp M	1/4 Bsp F	394	13,9	20	✓
30.1755.30	3/8 Bsp F	1/4 Bsp F	404	14,25	20	✓
30.1755.50	3/8 Npt F	1/4 Npt F	400	14,11	20	✓
30.1755.60	A M22	1/4 Bsp F	409	14,43	20	✓
30.1756.00	1/4 Bsp F	1/4 Bsp F	446	15,73	20	✓

With ceramic ball - Suitable for chlore

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 26 + SW6 / SW8

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.1772.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	480	16,93	20	✓
30.1758.00	+ sw.6 3/8 Bsp F	1/4 Bsp F	476	16,79	20	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 27 - FOR T LABEL

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.1800.00	3/8 Bsp F	1/4 Bsp F	404	14,25	20

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 27+ SW8 SPRAY GUN -FOR LABEL NEW

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.1830.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	480	16,93	20

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 27+ SW6 / SW8 SPRAY GUN -PA NEW

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.1820.90	+ sw.6 3/8 Bsp F	1/4 Bsp F	476	16,79	20	
30.1830.90	+ sw.8 3/8 Bsp F	1/4 Bsp F	480	16,93	20	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 51

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.4100.10	3/8 Bsp F	1/4 Bsp F	684	24,13	8	✓
30.4100.60	3/8 Npt F	1/4 Npt F	684	24,13	8	✓
30.4120.10	+ sw. 3/8 Bsp F	1/4 Bsp F	776	27,37	8	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	160 °C	320 °F

With a new, improved mechanical device with double connecting rod

LINEAR 120/280

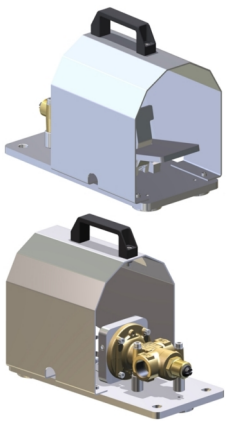
P/N	Inlet	Outlet	Weight gr	Weight oz		
30.0680.00	1/2 Bsp F	1/2 Bsp F	1224	43,17	1	
30.0680.501	1/2 Npt F	1/2 Npt F	1224	43,17	7	
30.0680.50	1/2 Npt F	1/2 Npt F	1224	43,17	1	✓

Max. flow rate	120 l/min	32 USGpm
Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Temperature	100 °C	210 °F

RF 120/280 - FOOT VALVE

P/N	Max. flow rate l/min	Max. flow rate USGpm	Inlet	Outlet	Weight gr	Weight oz	
30.5250.00	120	32	3/4 Bsp F	3/4 Bsp F	7499	264,5	1
30.5250.50	120	32	3/4 Npt F	3/4" Npt F	7499	264,5	1

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Temperature	90 °C	195 °F



RP 120/280 PNEUMATIC ON-OFF GUN

P/N	Max. flow rate		Inlet	Outlet	Weight			
	l/min	USGpm			gr	oz		
30.3230.00	120	32	3/4 Bsp F	3/4 Bsp F	2398	84,58	1	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Temperature	90 °C	195 °F
Required air pressure	7 bar - 0,7 MPa	101 psi
Compressed air fitting		1/4 Bsp F

RL 36

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.1530.00	3/8 Bsp F	1/4 Bsp F	565	20	15	✓
30.1530.30	3/8 Bsp M	1/4 Bsp F	555	19,6	15	✓
30.1530.50	3/8 Npt F	1/4 Npt F	565	20	15	✓

Rated Pressure	280 bar - 28 MPa	4000 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 36 + SW 8

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.1550.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	656	23,14	15	✓

Rated Pressure	280 bar - 28 MPa	4000 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 22

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.0400.00	3/8 Bsp F	1/4 Bsp F	475	16,8	20	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 22 - HIGH TEMPERATURE-CERAMIC BALL- VITON SEALS

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.0485.00	3/8 Bsp F	1/4 Bsp F	475	16,8	20	✓

With ceramic ball +or vit.- Suitable for chlore (30.0485.00)

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Seals material		FKM (Viton)°

RL 22 -HIGHT TEMPERATURE- QUICK COUPL.REINFORCED- VITON SEALS

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.0490.00	3/8 Bsp M	AR 3/23 B M22 ex	650	23	10

With ceramic ball +or vit.- Suitable for chlore (30.0485.00)

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Seals material		FKM (Viton)°
Extensions		40.2590.00

RL 22 + SW8

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.0420.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	574	20,25	20	✓
30.0420.12	+ sw.8 3/8 Bsp F	1/4 Bsp F	750	26,5	20	

Sw8 sst pin

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

LINEAR 3

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.0620.00	3/8 Bsp F	1/4 Bsp F	596	21,02	20	✓
30.0620.50	3/8 Npt F	1/4 Npt F	596	21,02	20	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

LINEAR 3 + SW6

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.0640.00	+ sw.6 3/8 Bsp F	1/4 Bsp F	658	23,21	20	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 37

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.1200.00	3/8 Bsp F	1/4 Bsp F	562	19,82	15	✓
30.1200.50	3/8 Npt F	1/4 Npt F	573	20,2	15	✓
30.1200.80	3/8 Bsp M	1/4 Bsp F	564	19,89	15	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 37 + SW6/+ SW8

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.1220.00	+ sw.6 3/8 Bsp F	1/4 Bsp F	626	22,09	15	✓
30.1225.00	+ sw.8 3/8 Bsp M	1/4 Bsp F	648	22,86	15	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 37 + SW8-35 SWIVELLING IN- AND OUTLET

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.1247.00	+ sw.8 3/8 Bsp F	+sw.35 1/4 Bsp F	711	25,08	15	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 30

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2500.00	3/8 Bsp F	1/4 Bsp F	614	21,65	20	✓
30.2500.30	3/8 Bsp M	1/4 Bsp F	620	21,9	20	✓
30.2500.20	A M22	1/4 Bsp F	622	21,94	20	✓
30.2500.25	A M22	A M22	629	22,19	20	✓
30.2500.28	3/8 Bsp F	A M22	740	26	20	
30.2500.50	3/8 Npt F	1/4 Npt F	614	21,65	20	✓
30.2515.00	3/8 Bsp F	1/4 Bsp F	740	26	20	
With ceramic ball - Suitable for chlore (30.2515.00)						
30.2515.50	3/8 Npt F	1/4 Npt F	613	21,62	20	
With ceramic ball - Suitable for chlore (30.2515.00-50)						

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 30 + SW6

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2511.00	+ sw.6 3/8 Bsp F	1/4 Bsp F	676	24,04	20	✓
30.2511.20	+sw.6 A M22	1/4 Bsp F	678	23,91	20	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 31 - WITHOUT LABEL

P/N	Inlet	Outlet	Col.	Type	Weight gr	Weight oz	
30.1900.00	3/8 Bsp F	1/4 Bsp F	Black	A	614	21,65	20
30.1900.30	3/8 Bsp M	1/4 Bsp F	Black	A	614	21,65	20
30.1920.00	+ sw.6 3/8 Bsp F	1/4 Bsp F	Black	A	676	24,04	20
30.1903.84R	-	--	RAL5002 Ultramarine Blue	B	6	0,2	100
30.1905.84R	-	--	RAL3013 Tomato Red	B	6	0,2	100
30.1907.84R	-	--	RAL6032 Signal Green	B	6	0,2	100
30.1909.84R	-	--	RAL2012 Salmon Orange	B	6	0,2	100
30.1911.84R	-	--	RAL1012 Lemon Yellow	B	6	0,2	100

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 31 - " PA "

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.1900.90	3/8 Bsp F	1/4 Bsp F	614	21,65	20
30.1920.90	+ sw.6 3/8 Bsp F	1/4 Bsp F	676	24,04	20

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

VEGA

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2000.00	3/8 Bsp F	1/4 Bsp F	666	23,49	20	✓
30.2000.80	3/8 Bsp M	1/4 Bsp F	669	23,6	20	✓
30.2000.50	3/8 Npt F	1/4 Npt F	664	23,42	50	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

VEGA + SW8

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2030.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	750	26,5	20	✓
30.2030.50	+ sw.8 3/8 Npt F	1/4 Npt F	750	26,5	20	
30.2030.12	+ sw.8 3/8 Bsp F	1/4 Bsp F	750	26,5	20	✓
Sw8 sst pin						
30.2030.80	+ sw.8 3/8 Bsp M	1/4 Bsp F	747	26,35	20	✓
30.2030.85	+ sw.8 3/8 Bsp M	1/4 Bsp F	747	26,35	20	✓
Sw8 sst pin						
30.2035.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	744	26,24	20	✓
Ceram.ball+sst.pin Sw8						

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

VEGA INOX

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.3150.00	3/8 Bsp F	1/4 Bsp F	599	21,13	2	✓
30.3150.50	3/8 Npt F	1/4 Npt F	598	21,09	2	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303

VEGA " EZ" GUN WITH LOWER TRIGGER RESISTENCE

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.2200.00	3/8 Bsp F	1/4 Bsp F	666	23,49	20
30.2200.50	3/8 Npt F	1/4 Npt F	666	23,49	20

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Gun with lower trigger resistence

VEGA " EZ"+ SW8- GUN WITH LOWER TRIGGER RESISTENCE NEW

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.2230.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	750	26,5	20

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Gun with lower trigger resistence

"FACILE"" GUN WITH LOWER TRIGGER RESISTANCE- WITHOUT LABEL NEW

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.2300.00	3/8 Bsp F	1/4 Bsp F	698	24,62	20

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Gun with minimum fatigue for trigger opening and holding

"FACILE"" GUN WITH LOWER TRIGGER RESISTANCE- " PA " NEW

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.2300.90	3/8 Bsp F	1/4 Bsp F	698	24,62	20
30.2315.90	+ sw.8 3/8 Bsp F	1/4 Bsp F	782	27,58	20

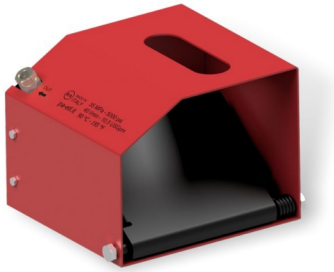
Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Gun with lower trigger resistence

VEGA - FOOT ON-OFF GUN-3/8X1/4 BSP FF

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2160.00	3/8 Bsp F	1/4 Bsp F	5362	190	1	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Max. Temper.	90 °C	195 °F



RL 56

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.4500.10	3/8 Bsp F	1/4 Bsp F	672	23,7	8	✓
30.4500.60	3/8 Npt F	1/4 Npt F	672	23,7	8	✓
30.4520.10	+ sw. 3/8 Bsp F	1/4 Bsp F	762	26,87	8	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

With a new, improved mechanical device with double connecting rod

NOVA 400 INOX STAINLESS STEEL

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.5650.00	3/8 Bsp F	1/4 Bsp F	601	21,2	2	✓
30.5650.50	3/8 Npt F	1/4 Npt F	601	21,2	2	✓
30.5665.00	+ sw.25 3/8 Bsp F	1/4 Bsp F	710	25	2	

Rated Pressure	400 bar - 40 MPa	5800 psi
Permissible Pressure	440 bar - 44 MPa	6400 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303

RL57 SST GUN

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.4700.00	3/8 Bsp F	1/4 Bsp F	714	25,18	1	✓
30.4700.50	3/8 Npt F	1/4 Npt F	716	25,25	1	✓
30.4720.00	+ sw.25 3/8 Bsp F	1/4 Bsp F	817	28,81	1	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Flow	28 l/min	7,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303

RP 80/500- PNEUMATIC ON-OFF GUN

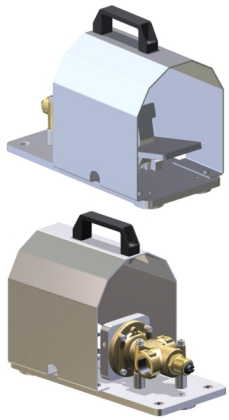
P/N	Max. flow rate l/min	Max. flow rate USGpm	Inlet	Outlet	Weight gr	Weight oz		
30.3250.00	80	21	1/2 Bsp F	1/2 Bsp F	2657	93,71	1	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Temperature	90 °C	195 °F
Required air pressure	7 bar - 0,7 MPa	101 psi
Compressed air fitting		1/4 Bsp F

RF 80/500- SST FOOT ON-OFF GUN

P/N	Max. flow rate l/min	Max. flow rate USGpm	Inlet	Outlet	Weight gr	Weight oz	
30.5450.00	80	21	1/2 Bsp F	1/2 Bsp F	7593	267,81	1
30.5450.50	80	21	1/2 Npt F	1/2 Npt F	7593	267,81	1

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Temperature	90 °C	195 °F



RL500 SPRAY GUN 56MPA NEW CE

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.5530.00	3/8 Bsp F	3/8 Bsp F	1223	41,6	1	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Flow	40 l/min	10.5 USGpm
Rated Temperature	160 °C	320 °F
Shoulder rest		30.5060.00

RL 84

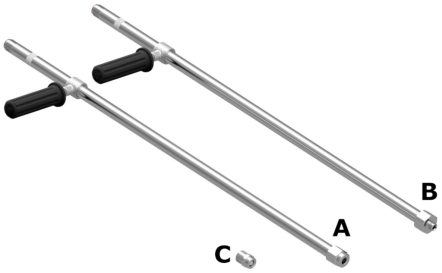
P/N	Inlet	Outlet	Weight gr	Weight oz		
30.5400.001	1/2 Bsp F	1/2 Bsp F	1394	49,17	6	
30.5400.00	1/2 Bsp F	1/2 Bsp F	1394	49,17	1	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	100 °C	210 °F
Extensions		30.5000.40-80-92

LANCE AND NOZZLE HOLDER FOR RL 84 - RL204 NEW

P/N	Length mm	Length in.	Inlet	Outlet	Type	Weight gr	Weight oz		
30.5000.40	400	15,7	1/2 Bsp M	1/4 Npt F	A	830	29,27	1	✓
30.5000.80	800	31,5	1/2 Bsp M	1/4 Npt F	A	1427	50,33	1	✓
30.5000.92	1250	50	1/2 Bsp M	1/4 Npt F	A	2036	71,81	1	✓
30.5030.80	800	31,5	1/2 Bsp M	1/4 Bsp M	B	1427	50,33	1	✓
30.5018.51R			Nipple 1/2 Bsp M	1/4 Npt F	C	55	2	1	✓
Nozzle holder									

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	43 °C	109 °F
Material		Stainless steel



RL600 SST GUN CE

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.5800.00	3/8 Bsp F	3/8 Bsp F	991	34,95	1	✓
30.5820.00	3/8 Bsp F	3/8 Bsp F	1039	36,65	1	

Magnetic reed switch I= 0,5 A - V=48V AC/DC - P = 10 VA - 2 m cable

Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9500 psi
Rated Flow	60 l/min	15,8 USGpm
Rated Temperature	100 °C	210 °F
Degree of Protection		IPX3
Protection Class		III
Shoulder rest		30.5060.00

Inlet swivel, n° 30.5840.00

SHOULDER REST

P/N	Length mm	Length in.	Couplings	Weight gr	Weight oz		
30.5019.21	300	11,8	M18 × 1,5 mm M	310	10,9	1	
Suitable for RL80							
30.5060.00	300	11,8	1/4 Bsp M	219	7,72	5	✓
Suitable for RL600 - RL124 - RL204 - RL84							

RL1000 SST GUN

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.5900.00	3/8 Bsp F	3/8 Bsp F	1173	41,38	1	✓
30.5900.30	M24 x 1,5 M	9/16"-18 Unf	1180	41,63	1	
30.5900.50	3/8 Npt F	3/8 Npt F	1173	41,38	1	
30.5900.60	3/8 Npt F	9/16"-18 Unf	1180	41,63	1	

Rated Pressure	1000 bar - 100 MPa	14500 psi
Permissible Pressure	1100 bar - 110 MPa	16000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	100 °C	210 °F

RLW 40 DUMP GUN

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
30.3000.50	400	15,74	3/8 Npt F	1/8 Npt F	948	33,44	20	
30.3100.50	1000	39,4	3/8 Npt F	1/8 Npt F	1362	48,04	10	✓

Rated Pressure	190 bar - 19 MPa	2750 psi
Permissible Pressure	210 bar - 21 MPa	3050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	60 °C	140 °F

High/low pressure gun with coaxial dual barrel

RL 35 SL - SPRAY GUN WITHOUT TRIGGER

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.2100.00	3/8 Bsp F	1/4 Bsp F	372	13,12	15	✓
30.2120.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	357	12,6	15	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	35 l/min	9,2 USGpm
Rated Temperature	160 °C	320 °F

RL26 - WEEP GUN - BLUE SAFETY LATCH

P/N	Inlet	Outlet	Weep. flow rate		Weight			
			l/min	USGpm	gr	oz		
30.1790.00	3/8 Bsp M	1/4 Bsp F	1,1	0,30	396	13,97	20	✓
30.1790.50	1/4 Npt F	3/8 Npt F	1,1	0,3	400	14,11	20	✓
30.1792.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	1,1	0,30	488	17,21	20	✓
30.1795.00	3/8 Bsp M	1/4 Bsp F	0,6	0,16	380	13,3	20	
30.1794.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	0,6	0,16	485	17,11	20	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

VEGA - WEEP GUN - BLUE SAFETY LATCH

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.2055.00	3/8 Bsp F	1/4 Bsp F	664	23,42	20	✓
30.2055.50	3/8 Npt F	1/4 Npt F	668	23,56	20	✓
30.2064.00	+ sw.8 3/8 Bsp F	1/4 Bsp F	750	26,5	20	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5100 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL26 +SW6 - LOW PRESS.WEEP GUN - SAFETY LATCH, GREEN

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.1780.00	3/8 Bsp F	1/4 Bsp F	400	14,11	20	✓
30.1782.00	+ sw.6 3/8 Bsp F	1/4 Bsp F	478	16,86	20	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

Not weeping at high pressure

RL37 + SW8-35 - LOW PRESS.WEEP GUN - SAFETY LATCH, GREEN

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.1249.00	+ sw.8 3/8 Bsp F	+sw.35 1/4 Bsp F	711	25,08	15	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Not weeping at high pressure

RL30 + SW6 - LOW PRESS.WEEP GUN - SAFETY LATCH, GREEN

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2580.05	3/8 Bsp F	1/4 Bsp F	614	21,66	20	✓
30.2625.05	+ sw.6 3/8 Bsp F	1/4 Bsp F	677	23,88	20	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Not weeping at high pressure

RL 34 + SW GUN +ARS- B- BALL QUICK COUPLING

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2940.00	+ sw. 1/2 Bsp F	ARS350 B	726	25,2	2	
Inlet with swivel						
30.2960.00	+ sw. 1/2 Bsp F	ARS 178 B	710	25,04	2	✓
Inlet with swivel						
30.2980.00	+ sw. 1/2 Bsp F	ARS 25 B	790	27,86	2	
Inlet with swivel						

Rated Pressure	125 bar - 12,5 MPa	1850 psi
Permissible Pressure	140 bar - 14 MPa	2000 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	160 °C	320 °F
Material		Brass

RL 82 +SW GUN +ARS- B- BALL QUICK COUPLING

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.2840.00	+ sw. 1/2 Bsp F	ARS350 B	704	24,83	2	
Inlet with swivel						
30.2860.00	+ sw. 1/2 Bsp F	ARS 178 B	697	24,58	2	✓
Inlet with swivel						
30.2880.00	+ sw. 1/2 Bsp F	ARS 25 B	774	27,3	2	
Inlet with swivel						

Rated Pressure	125 bar - 12,5 MPa	1850 psi
Permissible Pressure	140 bar - 14 MPa	2000 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel

RL 16 + PL4+ M27 M

P/N	Inlet	Outlet	Hand Grip	Weight gr	Weight oz	
30.0450.00	1/4 Bsp F	M 27 M	PL 4	588	20,74	20

Rated Pressure	160 bar - 16 MPa	2350 psi
Permissible Pressure	175 bar - 17,5 MPa	2550 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	60 °C	140 °F

RL 160 + S4/R5 + M22

P/N	Inlet	Outlet	Hand Grip	Weight gr	Weight oz		
30.0050.40	1/4 Bsp M	AR1 B M22	S4	581	20,49	25	
30.0050.20	1/4 Bsp F	AR1 B M22	S4	586	20,67	25	
30.0050.00	3/8 Bsp F	AR1 B M22	S4	592	20,88	25	✓

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	175 bar - 17,5 MPa	2550 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	100 °C	210 °F

RL 11 + S1+ AR6 M22

P/N	Inlet	Outlet	Hand Grip	Weight		
				gr	oz	
30.0940.00	3/8 Bsp F	AR1 B M22	S1	788	27,79	20
30.0940.40	1/4 Bsp M	AR1 B M22	S1	778	27,44	20

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	175 bar - 17,5 MPa	2550 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	100 °C	210 °F

RL 200 + S4 + M22

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.0150.30	1/4 Bsp M	AR1 B M22	550	19,2	25	
30.0150.60	3/8 Bsp M	AR1 B M22	594	20,95	25	✓
30.0150.00	3/8 Bsp F	AR1 B M22	598	21,09	25	✓
30.0150.40	A M22	AR1 B M22	609	21,48	25	

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 36 + S3 + M22

P/N	Inlet	Outlet	Weight		
			gr	oz	
30.1600.00	3/8 Bsp M	AR5/4 B M22	946	33,36	25
30.1611.00	+ sw.8 3/8 Bsp F	AR5/4 B M22	1052	37,1	15

Technical Data: RL36

RL 26 + S4 + M22

P/N	Inlet	Outlet	Hand Grip	Weight			
				gr	oz		
30.0761.00	3/8 Bsp M	AR1 B M22	S4	730	25,7	20	
30.0760.00	A M22	AR1 B M22	S4	746	26,31	20	
30.0755.00	3/8 Bsp M	AR4 B M22	S4	738	26,03	20	✓
30.0759.00	+ sw.6 3/8 Bsp F	AR4 B M22	S4	807	28,46	20	
30.0781.00	3/8 Bsp M	AR5/4 B M22	S3	744	26,24	20	

Technical Data: RL26

RL 26 + PL4 + AR4 B M22 EX

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.0740.00	3/8 Bsp M	AR4 B M22	706	25,1	20	

Technical Data : RL26

RL 37 + S7 + AR6 M22

P/N	Inlet	Outlet	Weight			
			gr	oz		
30.1280.00	3/8 Bsp F	AR6 B M22	886	31,25	15	
30.1280.80	3/8 Bsp M	AR6 B M22	913	32,17	15	
30.1281.00	+ sw.6 3/8 Bsp F	AR6 B M22	946	33,37	15	✓
30.1291.00	+ sw.8 3/8 Bsp M	AR6 B M22	913	32,17	15	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Technical Data : RL37

RL 37 + R5-1000MM+ ARSU

P/N	Inlet	Hose length		Outlet	Weight		
		m	yd		gr	oz	
30.1292.50	3/8 Npt F	1000	39,4	Arsu	1,242	43,81	15

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Technical Data : RL37

RL 300 - S3 370 MM + AR1/4 B M22

P/N	Tube type	Inlet	Outlet	Weight			
				gr	oz		
30.2608.11	Z.pl.steel	3/8 Bsp M	AR1/4 B M22	948	33,44	15	✓
30.2608.30	Z.pl.steel	A M22	AR1/4 B M22	948	33,44	15	✓
30.2616.00	Stainl. steel	+ sw.6 3/8 Bsp F	AR1/4 B M22	982	34,64	15	

Technical Data : RL30

RL 300 - S3 370 MM + AR5/4 B M22

P/N	Tube type	Inlet	Weight			
			gr	oz		
30.2600.11	Z.pl.steel	3/8 Bsp M	968	34,14	15	✓
30.2601.11	Z.pl.steel	3/8 Bsp F	964	34	15	✓
30.2607.11	Stainl. steel	+ sw.6 3/8 Bsp F	994	35,34	25	✓

Outlet AR5/4 B M22

Technical Data : RL30

RL 310 - S2 370 MM + AR5/4 B M22- WITHOUT LABEL NEW

P/N	Tube type	Inlet	Type	Col.	Weight			
					gr	oz		
30.1960.00	Stainl. steel	+ sw.6 3/8 Bsp F	A	Black	994	35,34	25	✓
30.1903.84R	-	-	RAL5002 Ultramarine Blue	B	6	0,2	100	
30.1905.84R	-	-	RAL3013 Tomato Red	B	6	0,2	100	
30.1907.84R	-	-	RAL6032 Signal Green	B	6	0,2	100	
30.1909.84R	-	-	RAL2012 Salmon Orange	B	6	0,2	100	
30.1911.84R	-	-	RAL1012 Lemon Yellow	B	6	0,2	100	

Outlet AR5/4 B M22

Technical Data : RL31
https://www.pa-etl.it/flex/FixedPages/Common/catalogo.php/L/EN/prodotto/rl-31-senza-bottone?uniq=17a77d64ad0c23a877e3d13febb1ae111

VEGA + RF1 + R5-300MM + AR5 B M22

P/N	Inlet	Outlet	Weight		
			gr	oz	
30.2070.00	3/8 Bsp F	AR5/4 B M22	1196	42,2	10

Lance with flow regulator - Technical Data: Vega

VEGA/RL30 + S3 370MM + AR5 B M22

P/N	Tube type	Inlet	Gun type	Weight			
				gr	oz		
30.2091.00	Stainl. steel	3/8 Bsp F	Vega	1030	36,33	15	
30.2097.00	Z.pl.steel	3/8 Bsp F	Vega	1050	37,03	25	✓
30.2098.00	Z.pl.steel	3/8 Bsp M	Vega	1069	38	25	✓
30.2083.00	Stainl. steel	+ sw.8 3/8 Bsp M	Vega	1112	39,22	25	✓
30.3091.60	Stainl. steel	A M22	RL 30	984	34,71	25	

Outlet AR5/4 B M22

Technical Data : Vega

RL 51 GUN + ARS 23 - B BALL QUICK COUPLING

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.4140.23	+ sw. 3/8 Bsp F	ARS 23 B	1000	35,27	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 30 GUN + ARS 23 - B BALL QUICK COUPLING

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.2540.30	3/8 Bsp F	ARS 23 B	880	31,1	4

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

SPRAY GUNS + ARS350 - B BALL QUICK COUPLING SST

P/N	Gun type	Inlet	Outlet	Weight gr	Weight oz	
30.2540.00	RL 30	A M22	ARS350 B	760	26,8	8
30.2040.00	Vega	+ sw.8 3/8 Bsp F	ARS350 B	887	31,29	8

With ceramic ball - Suitable for chlore - Sw8 with sst. pin. (30.2040.00)

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 36 GUN +ARS25- B-KW BALL QUICK COUPLING

P/N	Inlet	Outlet	Mat.	Type	Weight gr	Weight oz		
30.1535.00	A M22	ARS 25 B	St. steel	Y	900	32	2	
30.1538.00	+sw.6 A M22	ARS 25 B	St. steel	Y	900	32	2	✓

Rated Pressure	280 bar - 28 MPa	4000 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F
Material		Brass

RL 30 GUN +ARS25- B-KW BALL QUICK COUPLING

P/N	Inlet	Outlet	Mat.	Type	Weight gr	Weight oz		
30.2540.60	3/8 Bsp F	ARS 25 B	Brass	X	900	32	4	✓
30.2619.00	A M22	ARS 25 B	Brass	Y	830	29,27	15	

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

SST VEGA GUN +ARS25- B-KW BALL QUICK COUPLING

P/N	Inlet	Outlet	Mat.	Weight		
				gr	oz	
30.3140.60	3/8 Bsp F	ARS 25 B	St. steel	805	28,39	1

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303

RL 56 + SW + AR8 + S3 350 LANCE

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
30.4520.15	-	-	+ sw. 3/8 Bsp F	AR 8 B M24	816	28,78	8	✓
40.0262.00	1050	41,3	AR8 "A"	1/4 Npt F	898	31,67	8	✓
40.0262.50	1050	41,3	AR8 "A"	1/8 Npt F	897	31,64	8	

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL600SST. AI303 - LANCE 140 MM +AR9 'B' -M24

P/N	Inlet	Outlet	Length		Weight		
			mm	in.	gr	oz	
30.5830.00	3/8 Bsp F	AR9 'B' -M24	140	5,50	1282	45,22	1

Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9500 psi
Rated Flow	60 l/min	15,8 USGpm
Rated Temperature	100 °C	210 °F
Material		Stainless steel 303
Shoulder rest		30.5060.00

GUN RL11 WITH LANCE- S1- 700MM+ PROTECTION+NOZZLE HOLDER

P/N	Inlet	Length		Hand Grip	Outlet	Weight		
		mm	in.			gr	oz	
30.0970.00	3/8 Bsp F	700	27,5	S1	1/4 Npt F	916	32,31	20

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	175 bar - 17,5 MPa	2550 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	100 °C	210 °F

GV 5 -VARIABLE ANGLE JET LANCE + SP.GUN

P/N	Inlet	Nozzle Size	Nozzle	Gun type	Weight			
			mm		gr	oz		
30.0885.10	3/8 Bsp F	03	1,0	RL 11	2000	69,8	5	
30.1587.20	+ sw. 3/8 Bsp F	12	2,0	RL 36	2219,5	78,3	5	✓
Swivel with sst. pin								
30.1585.20	3/8 Bsp F	12	2,0	RL 36	2129,2	74,3	5	✓
30.4145.30	3/8 Bsp F	25	3,0	RL 51	2249,2	79	5	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Temperature	90 °C	195 °F
Tube type		Stainl. steel

WARNING: Use only "PA" nozzles (M16x2).

GV 10 -VARIABLE ANGLE JET LANCE + RL34+SW. SP.GUN

P/N	Nozzle Size	Nozzle	Weight		
		mm	gr	oz	
30.2930.35	35	3,7	2658,2	93,77	5

Rated Pressure	180 bar - 18 MPa	2600 psi
Permissible Pressure	200 bar - 20 MPa	2900 psi
Rated Temperature	43 °C	110 °F
Tube type		Stainl. steel
Inlet		+ sw. 1/2 Bsp F

WARNING: Use only "PA" nozzles (M16).

GV 10 -VARIABLE ANGLE JET LANCE + RL124 SP.GUN

P/N	Nozzle Size	Nozzle	Weight			
		mm	gr	oz		
30.5382.50	50	4,4	2966	104,62	5	✓

Rated Pressure	120 bar - 12 MPa	1750 psi
Permissible Pressure	135 bar - 13,5 MPa	1950 psi
Rated Temperature	43 °C	110 °F
Tube type		Stainl. steel
Inlet		1/2 Bsp F

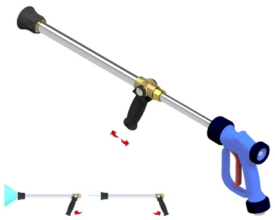
WARNING: Use only "PA" nozzles (M16).

GV 10 + RB65 SPRAY GUN

P/N	Length		Inlet	Nozzle	Gun type	Weight			
	mm	in.		mm		gr	oz		
30.6485.90	843	33,19	1/2 Bsp F	7,0	RB65 100l/min	2800	98,77	5	✓

Permissible Pressure	24 bar - 2,4 MPa	350 psi
Max. flow rate	100 l/min	26,5 USGpm
Rated Temperature	60 °C	140 °F

WARNING: Use only "PA" nozzles (M16).



RL300 +SW8 3/8BSP +LS12 - FOAM LANCE +AD+PROTEC.

P/N	Max. flow rate		Nozzle	Col.	Outlet	Weight		
	l/min	USGpm	mm			gr	oz	
30.2710.18	10	2,6	1,8	Black	1/4 Npt F	1456	51,35	2
With ceramic ball-Sw8 pin sst.								
30.2710.21	15	4	2,1	Red	1/4 Npt F	1456	51,35	2
With ceramic ball-Sw8 pin sst.								

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	38 °C	100 °F
Inlet		+ sw.8 3/8 Bsp M
Injector		21.0600.12-14

Injector 21.0600.12 is compulsory for foam lance LS12 30.2710.18
Injector 21.0600.14 is compulsory for foam lance LS12 30.2710.21

RL26 GUN 1/4F BSP+CERAM.BALL+700MM SST LANCE

P/N	Inlet	Outlet	Weight		
			gr	oz	
30.1757.00	1/4 Bsp F	1/4 Npt F	772	27,23	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F
Length	700 mm	27,5 in.
Tube type		1/4 Sst.
Gun type		RL 26 1/4Bsp F+ceram.ball

Wear to chemical detergent

GUN RL26+SW8 WITH LANCE- EVER WEEPING

P/N	Inlet	Length		Weep. flow rate		Weight			
		mm	in.	l/min	USGpm	gr	oz		
30.0767.00	+ sw.8 3/8 Bsp F	700	27,5	1,1	0,30	962	33,93	10	✓
30.0767.06	+ sw.8 3/8 Bsp F	700	27,5	0,6	0,16	966	34,07	10	✓
30.0768.00	+ sw.8 3/8 Bsp F	900	35,4	1,1	0,30	1058	37,32	10	
30.0768.06	+ sw.8 3/8 Bsp F	900	35,4	0,6	0,16	1058	37,32	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F
Outlet		1/4 Npt F

RL26 + SW6 LOW PRESSURE WEEP GUN +R5-700 SST LANCE

P/N	Inlet	Length mm	Length in.	Outlet	Weight gr	Weight oz		
30.1796.00	+ sw.6 3/8 Bsp F	700	27.5	1/4 Npt F	958	33,79	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

Not weeping at high pressure

RL37 + SW8-35 - LOW PRESSURE WEEP GUN +R5 SST LANCE

P/N	Inlet	Length mm	Length in.	Outlet	Weight gr	Weight oz		
30.1307.10	+ sw.8 3/8 Bsp F	700	27.5	1/4 Bsp M	1165	41,09	10	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Not weeping at high pressure

RL300 +SW8 3/8BSP -R5 +LD12 - FOAM LANCE +AD+PROTEC.

P/N	Max. flow rate l/min	Max. flow rate USGpm	Nozzle mm	Col.	Outlet	Weight gr	Weight oz	
30.2700.18	10	2,6	1,8	Black	1/4 Npt F	1684	59,4	2
With ceramic ball + Sw8 pin sst.								
30.2700.21	15	4	2,1	Red	1/4 Npt F	1687	59,5	2
With ceramic ball.Sw8 pin sst.								

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	60 °C	140 °F
Inlet		+ sw.8 3/8 Bsp M
Injector		21.0600.12-14

Injector 21.0600.12 is compulsory for foam lance LS12 30.2700.18
Injector 21.0600.14 is compulsory for foam lance LS12 30.2700.21

RL37 + SW8-35 +SST R5 +PROTECTION+NOZZLE HOLDER

P/N	Inlet	Length mm	Length in.	Outlet	Weight gr	Weight oz	
30.1262.10	+ sw.8 3/8 Bsp F	1200	47,2	1/4 Npt F	1394	49,17	10

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

RL 30 - S3 500 MM -1/4 F NPT

P/N	Length		Tube type	Weight			
	mm	in.		gr	oz		
30.2610.11	500	19,7	1/4 Sst.	1002	35,34	20	✓

Inlet	3/8 Bsp F
Outlet	1/4 Npt F

Technical Data : RL30

RL 56 + AL-F 39MPA LANCE

P/N	Length		Inlet	Outlet	Weight		
	mm	in.			gr	oz	
30.4560.00	800	31,5	3/8 Bsp F	1/4 Npt F	1244	43,88	8
30.4561.00	1050	41,3	3/8 Bsp F	1/4 Npt F	1244	43,88	8
30.4562.00	1200	47,24	3/8 Bsp F	1/4 Npt F	1450	51,3	8

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 56 + S3 350 LANCE

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
30.4550.09	800	34	3/8 Bsp F	1/4 Npt F	1118	39,43	8	✓
30.4570.09	800	34	+ sw. 3/8 Bsp F	1/4 Npt F	1205	42,5	8	
30.4550.10	1050	41,3	3/8 Bsp F	1/4 Npt F	1350	47,62	8	
30.4550.60	1050	41,3	3/8 Npt F	1/4 Npt F	1356	47,83	8	✓
30.4550.12	1200	51	3/8 Bsp F	1/4 Npt F	1432	50,51	8	
30.4550.62	1200	51	3/8 Npt F	1/4 Npt F	1432	50,51	8	
30.4570.12	1200	51	+ sw. 3/8 Bsp F	1/4 Npt F	1486	52,41	8	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

RL 57 +AF-L 55MPA LANCE

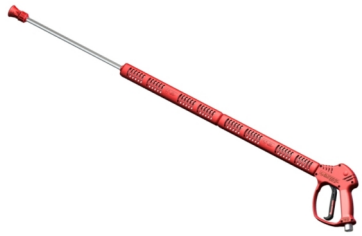
P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
30.4740.00	1050	41,3	3/8 Bsp F	1/4 Npt F	1592	56,15	2	✓
30.4742.00	1200	51	3/8 Bsp F	1/4 Npt F	1820	64,19	2	

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	550 bar - 55 MPa	8000 psi
Rated Flow	28 l/min	7,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303

RL 57 +S3 50MPA LANCE

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
30.4730.00	1050	41,3	3/8 Bsp F	1/4 Npt F	1720	60,67	2	✓
30.4730.50	1050	41,3	3/8 Npt F	1/4 Npt F	1720	60,67	2	
30.4732.00	1200	51	3/8 Bsp F	1/4 Npt F	1820	64,19	2	✓
30.4732.50	1200	51	3/8 Npt F	1/4 Npt F	1820	64,19	2	

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	550 bar - 55 MPa	8000 psi
Rated Flow	28 l/min	7,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303



RL500 GUN + S6 LANCE NEW

P/N	Inlet	Outlet	Length		Weight			
			mm	in.	gr	oz		
30.5580.00	3/8 Bsp F	1/4 Npt F	800	31,5	2128	75,06	1	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8150 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	100 °C	210 °F
Degree of Protection		IPX3
Protection Class		III
Shoulder rest		30.5060.00

RL600 STAINLESS STEEL GUN + S6 LANCE

P/N	Inlet	Outlet	Length		Weight			
			mm	in.	gr	oz		
30.5880.00	3/8 Bsp F	1/4 Npt F	800	31,5	2128	75,06	1	✓

Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9500 psi
Rated Flow	60 l/min	15,8 USGpm
Rated Temperature	100 °C	210 °F
Degree of Protection		IPX3
Protection Class		III
Shoulder rest		30.5060.00

RL1000 STAINLESS STEEL GUN + LANCE 640 MM/ 1220 MM

P/N	Inlet	Outlet	Length		Weight		
			mm	in.	gr	oz	
30.5920.00	3/8 Bsp F	1/4 Npt F	640	25,2	9300	328,62	1
30.5920.10	3/8 Bsp F	M 10	640	25,2	9300	328,62	1
30.5920.20	3/8 Bsp F	1/8 Npt F	640	25,2	9300	328,62	1
30.5920.60	M24 x 1,5 M	M 10	1220	48,4	4450	157	1
30.5920.50	3/8 Npt F	1/4 Npt F	1220	48,4	4450	157	1
30.5920.70	3/8 Npt F	1/8 Npt F	1220	48,4	4450	157	1

Rated Pressure	1000 bar - 100 MPa	14500 psi
Permissible Pressure	1100 bar - 110 MPa	16000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	100 °C	210 °F

EXTENSION PL4 + SPECIAL NOZZLES+ M27 F

P/N	Length		Inlet	Outlet	Weight		
	mm	in.			gr	oz	
41.1199.12	260	10,2	M 27 F	HL250-03	409	14,43	25

Rated Pressure	160 bar - 16 MPa	2350 psi
Permissible Pressure	175 bar - 17,5 MPa	2550 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	60 °C	140 °F

EXTENSION AR1 A M22 + SPECIAL NOZZLES

P/N	Length		Outlet	Weight			
	mm	in.		gr	oz		
41.1007.13	300	11,8	HL250-035	355	12,5	20	
41.1002.00	500	19,7	TR1-1/4	423	14,92	50	
41.1027.00	700	27,5	TR1-1/4	525	18,5	30	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Inlet		AR1 A M22

EXTENSION AR5 A M22 + SPECIAL NOZZLES

P/N	Length		Outlet	Weight		
	mm	in.		gr	oz	
41.1018.13	500	19,7	HL250-035	470	16,58	10
41.1029.00	500	19,7	TR1-1/4	440	15,52	30

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Inlet		AR5 A M22 2×O-rings

EXTENSION PL4 + SPECIAL NOZZLES

P/N	Length		Inlet	Outlet	Weight		
	mm	in.			gr	oz	
41.2050.00	500	19,7	AR4 A M22 hex.	TR4- 1/4	693	24,44	30
41.2068.13	500	19,7	AR4 A M22 hex.	HL250-035	612	21,59	30
41.2066.13	500	19,7	AR5 A M22	HL250-035	594	20,95	30
41.2051.00	500	19,7	AR5 A M22	TR1-1/4	514	18,13	30
41.2053.00	500	19,7	AR5 A M22	TR4- 1/4	702	24,76	30
41.1028.00	700	27,5	AR5 A M22	TR1-1/4	632	22,29	30

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

EXTENSION AR5 A M22 WITH NOZZLE HOLDER

P/N	Length		Tube type	Outlet	Weight			
	mm	in.			gr	oz		
40.5146.00	500	19,7	Sst. - PL4	1/4 Npt F	406	14,32	30	
40.5173.00	700	27,5	Sst. - PL4	1/4 Npt F	546	19,26	30	✓
40.5173.50	700	27,5	Sst. - PL4	1/8 Npt F	546	19,26	30	
40.5190.00	900	35,4	Sst. - PL4	1/4 Npt F	637	22,47	30	✓
40.5150.00	500	19,7	Stainl. steel	1/4 Npt F	330	11,64	30	✓
40.5151.00	700	25,7	Stainl. steel	1/4 Npt F	404	14,25	30	
40.5145.00	500	19,7	Z.pl.steel	1/4 Npt F	368	12,98	30	✓
40.5152.00	700	25,7	Z.pl.steel	1/4 Npt F	472	16,65	30	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		AR5 A M22 2×O-rings

PL4 version with tube plastic protection

EXTENSION S7K- AR6 A M22 WITH NOZZLE HOLDER

P/N	Length		Tube type	Outlet	Weight		
	mm	in.			gr	oz	
30.1255.00	500	19,7	Z.pl.steel -S7k	1/4 Npt F	401	14,14	25
30.1258.00	700	27,5	Z.pl.steel -S7k	1/4 Npt F	507	17,88	25

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		AR6 A M22 1 OR

With quick coupling plastic protection

EXTENSION S7- AR6 A M22 WITH NOZZLE HOLDER

P/N	Length		Tube type	Outlet	Weight		
	mm	in.			gr	oz	
30.1295.00	500	19,7	Z.pl.steel -S7	1/4 Npt F	474	16,7	25
30.1297.00	700	27,5	Z.pl.steel -S7	1/4 Npt F	578	20,39	25

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		AR6 A M22 1 OR

With S7 plastic grip

90° UNDERBODY LANCE EXTENSION WITH NOZZLE HOLDER

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
40.0058.00	700	27,5	AR1 A M22	1/4 Npt F	454	16,01	10	✓
40.5176.50	700	27,5	AR5 A M22	1/8 Npt F	564	19,9	10	
40.5191.00	900	35,4	AR5 A M22	1/4 Npt F	546	19,26	10	✓

Supplied without hand grip nor nozzle

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder

EXTENSION AR5 A M22 WITH LD7 DOUBLE LANCE

P/N	Length		Tube type	Outlet	Weight			
	mm	in.			gr	oz		
41.0685.00	500	19,7	1/8 Sst.	1/4 Npt F	700	24,7	10	✓
41.0697.00	700	27,5	1/8 Sst.	1/4 Npt F	811	28,6	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		AR5 A M22 2×O-rings

EXTENSION AR5 A M22 WITH LD9 DOUBLE LANCE

P/N	Length		Tube type	Outlet	Weight			
	mm	in.			gr	oz		
41.0919.00	500	19,7	1/4 z.pl.	1/4 Npt F	1006	35,48	15	✓
41.0920.00	500	19,7	1/4 Sst.	1/4 Npt F	923	32,56	15	✓
41.0914.00	700	27,5	1/4 z.pl.	1/4 Npt F	1232	43,45	15	
41.0921.00	700	27,5	1/4 Sst.	1/4 Npt F	1100	38,9	15	✓
41.0911.00	700	27,5	1/8 Sst.	1/4 Npt F	900	31,8	15	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		AR5 A M22 2×O-rings

1/4 tube lances fitted with plastic protection

SST. EXTENSION AR4 WITH LD9 DOUBLE LANCE

P/N	Length		Tube type	Outlet	Weight		
	mm	in.			gr	oz	
41.0928.00	500	19,7	1/4 Sst.	1/4 Npt F	917	32,34	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		AR4 A M22 hex.

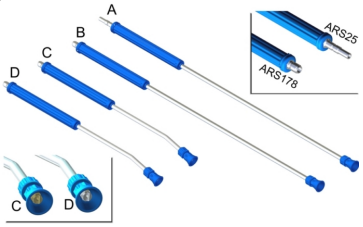
SST. EXTENSION AR16 WITH LDM11 DOUBLE LANCE

P/N	Length		Tube type	Outlet	Weight		
	mm	in.			gr	oz	
41.0255.00	555	21,85	15mm Sst.	1/4 Npt F	780	27,51	10
41.0275.00	755	29,72	15mm Sst.	1/4 Npt F	894	31,53	10

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		AR16 A M22 hex.
Low pressure nozzle		40-30

LANCER5+ARS -COLOR.ROUND GRIP - STAINLESS STEEL

P/N	Length		Inlet	Type	Nozzle type	Tube type	Weight		
	mm	in.					gr	oz	
40.2303.60	1000	39,4	ARS 25 "A" Kw	A	-	Straight	629	22,19	10
40.2306.60	1000	39,4	ARS 178 "A"	B	-	Straight	629	22,19	10
40.2360.51	600	23,6	ARS 178 "A"	D	25.40 sst	Bent	415	14,64	10



Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Outlet		1/4 Npt F
Couplings		Stainless steel Ai303
Tube type		1/4 Sst.
Casing colour		Blue

Lances with tip protector and nozzle holder.
1/8 Npt F outlet available on request

R5 LANCE + ARS 23 - A BALL QUICK COUPLING

P/N	Length		Inlet	Outlet	Weight		
	mm	in.			gr	oz	
40.2272.73	700	27,5	ARS 23 "A"	1/8 Npt F	600	21,2	10
40.2290.23	995	39,2	ARS 23 "A"	1/4 Npt F	670	23,63	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel

R5 LANCE + ARS350 - A - BALL QUICK COUPLING

P/N	Length		Type	Outlet	Weight		
	mm	in.			gr	oz	
40.5609.10	600	23,6	Straight	1/4 Npt F	548	19,33	25
40.5709.00	700	27,5	Bent	1/4 Npt F	574	20,25	25
40.5909.00	900	35,4	Bent	1/4 Npt F	686	24,2	25

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Tube type		Stainl. steel
Inlet		ARS350 "A"

R5 LANCE + ARS25- A-KW - BALL QUICK COUPLING

P/N	Length		Type	Outlet	Weight		
	mm	in.			gr	oz	
40.5606.10	600	23,6	Straight	1/4 Npt F	518	18,27	25
40.5707.00	700	27,5	Bent	1/4 Npt F	576	20,32	25
40.5907.00	900	35,4	Bent	1/4 Npt F	670	23,63	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		ARS 25 "A" Kw
Material		Stainless steel
Hand Grip		R5-420 mm

LS 12 + ARS 23 A - FOAM LANCE + INJECTOR

P/N	Nozzle	Inlet	Weight			
	mm		gr	oz		
25.1823.21	2,1	ARS 23 "A"	411	14,5	5	

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	60 °C	140 °F

Injector 21.0600.12, not included, is compulsory for foam lance LS12

LS 3 + ARS350 A - FOAM LANCE WITH TANK

P/N	Nozzle type	Nozzle	Inlet	Weight			
		mm		gr	oz		
25.1525.12	Vertical	1,25	ARS350 "A"	552	19,47	5	

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	20 l/min	5,3 USGpm
Rated Temperature	60 °C	140 °F
Tank	1 L	0,264 USg

LS 3 + ARS25- A-KW - FOAM LANCE WITH TANK

P/N	Nozzle	Inlet	Weight			
	mm		gr	oz		
25.1529.12	1,25	ARS 25 "A" Kw	564	19,89	5	

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	20 l/min	5,3 USGpm
Rated Temperature	60 °C	140 °F
Nozzle type		Vertical
Tank	1 L	0,264 USg

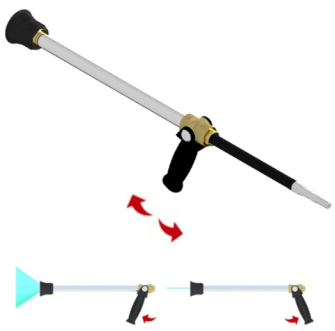
LS 3 + "K" BAYONET COUPLING - FOAM LANCE WITH TANK

P/N	Nozzle	Inlet	Weight			
	mm		gr	oz		
25.1527.12	1,25	"K" Bayonet coupling	587	20,7	6	

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	20 l/min	5,3 USGpm
Rated Temperature	60 °C	140 °F
Nozzle type		Vertical
Tank	1 L	0,264 USg

GV 5 LANCE + ARS25- A-KW - BALL QUICK COUPLING

P/N	Length		Nozzle	Nozzle Size	Hand Grip	Inlet	Weight		
	mm	in.	mm				gr	oz	
41.0185.11	768	30,22	1,0	03	1-PFL	ARS 25 "A" Kw	966	34,07	10

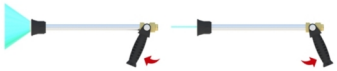


Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Temperature	90 °C	195 °F

WARNING: Use only "PA" nozzles (M16).

GV 10 LANCE + ARS178 - BALL QUICK COUPLING

P/N	Length		Nozzle Size	Nozzle	Inlet	Weight		
	mm	in.		mm		gr	oz	
41.0188.35	956,3	37,65	35	3,7	ARS 178 "A"	1124	39,64	10



Rated Pressure	210 bar - 21 MPa	3060 psi
Permissible Pressure	230 bar - 23 MPa	3360 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	43 °C	110 °F

WARNING: Use only "PA" nozzles (M16).

LS11 - LANCE WITH INLET STRAINER - STAINLESS STEEL TUBE

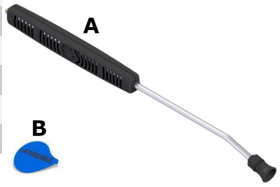
P/N	Length mm	Length in.	Inlet	Outlet	Weight gr	Weight oz		
40.0110.14	700	27,5	1/4 Bsp M	1/4 Npt F	508	17,92	8	✓

Rated Pressure	180 bar - 18 MPa	2600 psi
Permissible Pressure	200 bar - 20 MPa	2900 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

Lances with tip protector and nozzle holder.
Suitable for car-wash

S2 -WITHOUT LABEL - VENTED GRIP - ZINC-PLATED TUBE NEW

P/N	Inlet	Length mm	Length in.	Outlet	Type	Col.	Weight gr	Weight oz		
40.4070.00	1/4 Bspt M	700	27,5	1/4 Npt F	A	Black	554	19,54	20	✓
40.4090.00	1/4 Bspt M	900	35,4	1/4 Npt F	A	Black	655	23,1	20	✓
40.4120.00	1/4 Bspt M	1200	47,2	1/4 Npt F	A	Black	832	29,35	20	✓
30.1903.84R	-	-	-	--	B	RAL5002 Ultramarine Blue	6	0,2	100	
30.1905.84R	-	-	-	--	B	RAL3013 Tomato Red	6	0,2	100	
30.1907.84R	-	-	-	--	B	RAL6032 Signal Green	6	0,2	100	
30.1909.84R	-	-	-	--	B	RAL2012 Salmon Orange	6	0,2	100	
30.1911.84R	-	-	-	--	B	RAL1012 Lemon Yellow	6	0,2	100	



Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.
1/8Npt F outlet available on request.

S3 - VENTED GRIP - ZINC-PLATED TUBE

P/N	Inlet	Length mm	Length in.	Outlet	Weight gr	Weight oz		
40.0535.00	1/4 Bspt M	500	19,7	1/4 Npt F	456	16,08	20	✓
40.0755.00	1/4 Bspt M	700	27,5	1/4 Npt F	554	19,54	20	✓
40.0955.00	1/4 Bspt M	900	35,4	1/4 Npt F	655	23,1	20	✓
40.0955.08	1/4 Npt M	900	35,4	1/4 Npt F	590	20,81	20	
40.0955.50	1/4 Bspt M	900	35,4	1/8 Npt F	655	23,1	20	
40.1255.00	1/4 Bspt M	1200	47,2	1/4 Npt F	832	29,35	20	✓
40.1255.50	1/4 Bspt M	1200	47,2	1/8 Npt F	832	29,35	20	
40.1555.00	1/4 Bspt M	1500	59	1/4 Npt F	1085	38,27	10	✓
40.1555.50	1/4 Bspt M	1500	59	1/8 Npt F	1085	38,27	10	
40.1755.00	1/4 Bspt M	1700	66,9	1/4 Npt F	1224	43,17	10	✓
40.2055.00	1/4 Bspt M	2000	78,7	1/4 Npt F	1360	47,97	10	✓
40.2055.50	1/4 Bspt M	2000	78,7	1/8 Npt F	1360	47,97	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.
1/8Npt F outlet available on request.

S3 - VENTED GRIP - STAINLESS STEEL TUBE

P/N	Inlet	Length		Outlet	Weight			
		mm	in.		gr	oz		
40.0765.00	1/4 Bspt M	700	27,5	1/4 Npt F	488	17,21	20	✓
40.0965.00	1/4 Bspt M	900	35,4	1/4 Npt F	584	20,6	20	✓
40.0965.08	1/4 Npt M	900	35,4	1/4 Npt F	586	20,69	20	
40.1265.00	1/4 Bspt M	1200	47,2	1/4 Npt F	837	29,52	20	✓
40.1565.00	1/4 Bspt M	1500	59	1/4 Npt F	961	33,9	10	✓
40.1765.00	1/4 Bspt M	1700	66,9	1/4 Npt F	1039	36,65	10	✓
40.2065.00	1/4 Bspt M	2000	78,7	1/4 Npt F	1172	41,34	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.

S3 -350 VENTED GRIP - STAINLESS STEEL TUBE

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
40.0258.00	800	31,4	1/4 Bspt M	1/4 Npt F	564	19,89	8	✓
40.0258.50	800	31,4	1/4 Npt M	1/4 Npt F	562	19,82	8	
40.0261.00	1050	41,3	1/4 Bspt M	1/4 Npt F	801	28,25	8	✓
40.0261.50	1050	41,3	1/4 Npt M	1/4 Npt F	800	28,22	8	
40.0264.50	1200	47,2	1/4 Npt M	1/4 Npt F	850	29,98	8	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.Blue insulated grip.

S3 -55 MPA VENTED GRIP - STAINLESS STEEL TUBE

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
40.0236.00	1050	41,2	1/4 Bsp M	1/4 Npt F	990	39,1	10	✓
40.0240.00	1200	47,2	1/4 Bsp M	1/4 Npt F	1135	40,03	10	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	550 bar - 55 MPa	8000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel

Lances with tip protector and nozzle holder.Red insulated grip.

S6- VENTED GRIP - STAINLESS STEEL TUBE NEW

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
40.0160.12	1200	47,3	3/8 Bsp M	1/4 Npt F	1763	62,18	1	✓
40.0160.80	800	31,5	3/8 Bsp M	1/4 Npt F	1174	41,41	1	✓
40.0170.80	800	31,5	3/8 Bsp M	1/4 Bsp M	1174	41,41	1	✓

Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9500 psi
Rated Flow	60 l/min	15,8 USGpm
Rated Temperature	100 °C	210 °F

Lances with nozzle holder.

SIDE GRIP FOR LANCE S3

P/N	Outlet	Weight			
		gr	oz		
41.0795.00	M 10	82	2,89	25	✓

S7 - RECTANGULAR GRIP - ZINC-PLATED TUBE

P/N	Length		Outlet	Weight			
	mm	in.		gr	oz		
40.4500.00	500	19,7	1/4 Npt F	464	16,37	20	✓
40.4700.00	700	27,5	1/4 Npt F	564	19,9	20	
40.4900.00	900	35,4	1/4 Npt F	658	23,21	20	

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M

Lances with tip protector and nozzle holder.
1/8Npt F outlet available on request.

LANCE R5 - ROUND GRIP - ZINC PLATED TUBE

P/N	Inlet	Length		Outlet	Weight			
		mm	in.		gr	oz		
40.2150.00	1/4 Bsp M	500	19,7	1/4 Npt F	440	15,52	25	✓
40.5500.05	1/4 Npt M	500	19,7	1/4 Npt F	440	15,52	25	
40.5600.05	1/4 Npt M	600	23,62	1/4 Npt F	440	15,52	25	
40.2170.00	1/4 Bsp M	700	27,5	1/4 Npt F	592	20,88	25	✓
40.5700.05	1/4 Npt M	700	27,5	1/4 Npt F	592	20,88	25	
40.2190.00	1/4 Bsp M	900	35,4	1/4 Npt F	692	24,41	25	✓
40.5900.05	1/4 Npt M	900	35,4	1/4 Npt F	670	23,6	25	
40.2220.00	1/4 Bsp M	1200	47,2	1/4 Npt F	842	29,69	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.
1/8Npt F outlet available on request.

LANCE R5 - ROUND GRIP - STAINLESS STEEL TUBE

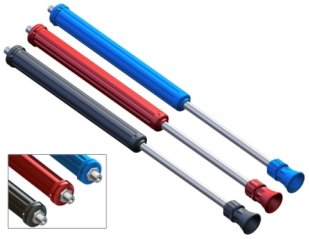
P/N	Inlet	Length		Outlet	Weight			
		mm	in.		gr	oz		
40.5502.05	1/4 Npt M	500	20,41	1/4 Npt F	521	18,38	25	
40.5705.00	1/4 Bsp M	700	27,5	1/4 Npt F	521	18,38	25	✓
40.5705.05	1/4 Npt M	700	27,5	1/4 Npt F	532	18,76	25	
40.5905.00	1/4 Bsp M	900	35,4	1/4 Npt F	600	21,16	25	✓
40.5905.05	1/4 Npt M	900	35,4	1/4 Npt F	628	22,15	25	
40.5905.50	1/4 Bsp M	900	35,4	1/8 Npt F	600	21,16	25	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.
1/8 Npt F outlet available on request

LANCE R5 - ROUND GRIP - STAINLESS STEEL

P/N	Length		Casing colour	Outlet	Weight			
	mm	in.			gr	oz		
40.2160.00	500	19,7	Black	1/4 Npt F	414	14,6	10	✓
40.2160.30	500	19,7	Red	1/4 Npt F	408	14,39	10	✓
40.2160.60	500	19,7	Blue	1/4 Npt F	398	14,04	10	✓
40.2300.00	1000	39,4	Black	1/4 Npt F	620	21,87	10	
40.2300.30	1000	39,4	Red	1/4 Npt F	611	21,55	10	
40.2300.60	1000	39,4	Blue	1/4 Npt F	608	21,44	10	✓



Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M
Couplings		Stainless steel Ai303
Tube type		1/4 Sst.
Type		Straight

Lances with tip protector and nozzle holder.
1/8 Npt F outlet available on request

LANCE ML - ROUND GRIP - ZINC PLATED TUBE

P/N	Inlet	Length		Outlet	Weight		
		mm	in.		gr	oz	
40.6200.00	1/4 Bsp M	1200	47,24	1/4 Npt F	982	34,63	25
40.6200.05	1/4 Npt M	1200	47,24	1/4 Npt F	982	34,63	25
40.6500.00	1/4 Bsp M	1500	59	1/4 Npt F	1211	42,71	10
40.6500.05	1/4 Npt M	1500	59	1/4 Npt F	1207	42,57	10
40.6700.00	1/4 Bsp M	1700	66,9	1/4 Npt F	1354	47,76	10
40.6700.05	1/4 Npt M	1700	66,9	1/4 Npt F	1380	48,6	10
40.7000.00	1/4 Bsp M	2000	78,5	1/4 Npt F	1455	51,32	10
40.7000.05	1/4 Npt M	2000	78,5	1/4 Npt F	1455	51,32	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.

LANCE ML - ROUND GRIP - STAINLESS STEEL TUBE

P/N	Inlet	Length		Outlet	Weight			
		mm	in.		gr	oz		
40.6205.00	1/4 Bsp M	1200	47,2	1/4 Npt F	872	30,76	25	✓
40.6205.05	1/4 Npt M	1200	47,2	1/4 Npt F	872	30,76	25	
40.6505.00	1/4 Bsp M	1500	59	1/4 Npt F	1080	38,09	10	✓
40.6705.00	1/4 Bsp M	1700	66,9	1/4 Npt F	1300	45,8	10	
40.7005.00	1/4 Bsp M	2000	78,7	1/4 Npt F	1295	45,68	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.

LANCE PFL - MOULDED GRIP - ZINC-PLATED TUBE

P/N	Length		Type	Outlet	Weight			
	mm	in.			gr	oz		
40.7500.00	500	19,8	Bent	1/4 Npt F	390	13,76	25	✓
40.7502.00	500	19,8	Straight	1/4 Npt F	398	14,04	25	
40.7700.00	700	27,5	Bent	1/4 Npt F	488	17,21	25	✓
40.7700.50	700	27,5	Bent	1/8 Npt F	488	17,21	25	
40.7900.00	900	35,4	Bent	1/4 Npt F	599	21,13	25	✓
40.7900.50	900	35,4	Bent	1/8 Npt F	599	21,13	25	
40.8200.00	1200	47,2	Bent	1/4 Npt F	853	30,09	25	✓
40.8500.00	1500	59	Bent	1/4 Npt F	1024	36,12	10	✓
40.8700.00	1700	66,9	Bent	1/4 Npt F	1116	39,36	10	✓
40.9000.00	2000	78,7	Bent	1/4 Npt F	1319	46,52	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M

Lances with tip protector and nozzle holder.
Lances with outlet 1/8Npt F available on request.

LANCE PFL - MOULDED GRIP - SST TUBE

P/N	Length		Type	Outlet	Weight			
	mm	in.			gr	oz		
40.7518.00	500	19,8	Straight	1/4 Npt F	346	12,2	25	✓
40.7722.00	700	27,5	Bent	1/4 Npt F	434	15,31	25	✓
40.9025.00	900	35,4	Bent	1/4 Npt F	507	17,88	25	
40.8216.00	1200	47,2	Bent	1/4 Npt F	738	26,03	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M
Tube type		Stainl. steel

Lances with tip protector and nozzle holder.
Lances with outlet 1/8Npt F available on request.

LANCE PFL - STRAIGHT - ZINC-PLATED TUBE

P/N	Length		Hand Grip	Outlet	Weight			
	mm	in.			gr	oz		
40.7300.22	300	11,8	1-PFL	1/4 Bsp M	237	8,36	25	✓
40.7450.22	450	17,7	1-PFL	1/4 Bsp M	316	11,15	25	✓
40.7504.22	500	19,7	1-PFL	1/4 Bsp M	349	12,31	25	
40.7601.22	600	23,6	1-PFL	1/4 Bsp M	396	13,97	25	
40.7705.22	700	27,5	1-PFL	1/4 Bsp M	452	15,94	25	✓
40.7902.22	900	35,4	1-PFL	1/4 Bsp M	554	19,54	25	✓
40.8211.22	1200	47,2	2 -PFL	1/4 Bsp M	818	28,85	25	✓
40.8511.22	1500	59	2 -PFL	1/4 Bsp M	948	33,44	10	
40.9004.22	2000	78,7	3-PFL	1/4 Bsp M	1288	45,43	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M
Tube type		1/4 z.pl.

LANCE PFL - STRAIGHT - STAINLESS STEEL TUBE

P/N	Length		Hand Grip	Outlet	Weight			
	mm	in.			gr	oz		
40.7460.22	450	17,7	1-PFL	1/4 Bsp M	287	10,12	25	✓
40.7710.22	700	27,5	1-PFL	1/4 Bsp M	396	13,97	25	✓
40.8010.22	800	31,5	2 -PFL	1/4 Bsp M	670	23,7	25	
40.9010.22	900	35,4	1-PFL	1/4 Bsp M	479	16,89	25	✓
40.9015.22	900	35,4	2 -PFL	1/4 Bsp M	700	24,7	25	
40.8220.22	1200	47,2	1-PFL	1/4 Bsp M	588	20,74	10	
40.8215.22	1200	47,2	2 -PFL	1/4 Bsp M	684	24,13	25	✓
40.8512.22	1500	59	2 -PFL	1/4 Bsp M	819	28,89	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M

LANCES PFL- BENT - STAINLESS STEEL TUBE

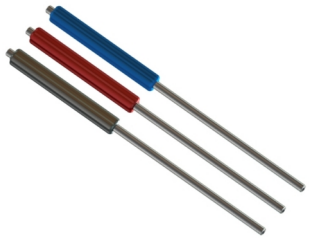
P/N	Length		Hand Grip	Outlet	Weight		
	mm	in.			gr	oz	
40.9016.22	900	35,4	2 -PFL	1/4 Bsp M	568	20,03	10
40.8217.22	1200	47,2	2 -PFL	1/4 Bsp M	686	24,2	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M

LANCE AL-F - MOULDED GRIP-STRAIGHT - STAINLESS STEEL TUBE

P/N	Length		Hand Grip	Col.	Weight			
	mm	in.			gr	oz		
40.3500.22	500	19,7	AL-F 7,8 in	Gray	316	11,15	10	
40.3502.22	500	19,7	AL-F 7,8 in	Red	316	11,15	10	
40.3504.22	500	19,7	AL-F 7,8 in	Blue	316	11,15	10	✓
40.3900.22	1000	39,4	AL-F 12 in	Gray	568	20,03	10	
40.3902.22	1000	39,4	AL-F 12 in	Red	572	20,17	10	✓
40.3904.22	1000	39,4	AL-F 12 in	Blue	560	19,75	10	✓

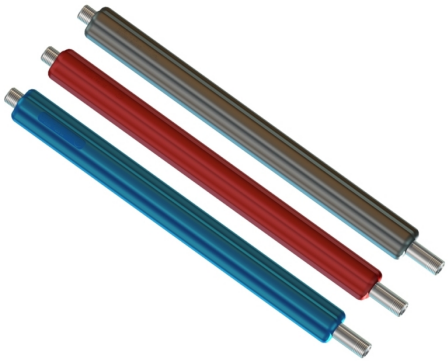
Rated Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	194 °F
Sterilization Temperature	125 °C	255 °F
Tube type		1/4 Sst.
Inlet		1/4 Bsp M
Outlet		1/4 Bsp M



HANDLE AL-F 340 - MOULDED GRIP - STAINLESS STEEL TUBE

P/N	Length		Hand Grip	Col.	Weight			
	mm	in.			gr	oz		
40.3300.22	340	13,4	AL-F 12 in	Gray	300	10,6	10	
40.3302.22	340	13,4	AL-F 12 in	Red	300	10,6	10	
40.3304.22	340	13,4	AL-F 12 in	Blue	300	10,6	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	194 °F
Sterilization Temperature	125 °C	255 °F
Tube type		1/4 Sst.
Inlet		1/4 Bsp M
Outlet		1/4 Bsp M



LANCE AL-F 39MPA - MOULDED GRIP-STRAIGHT - STAINLESS STEEL TUBE

P/N	Length		Hand Grip	Col.	Weight		
	mm	in.			gr	oz	
40.0231.22	800	31,5	AL-F 12 in	Blue	496	17,49	10
40.0232.22	1050	41,34	AL-F 12 in	Blue	610	21,52	10
40.0233.22	1200	47,24	AL-F 12 in	Blue	672	23,7	10

Rated Pressure	390 bar - 39 MPa	5700 psi
Rated Flow	50 l/min	13 USGpm
Rated Temperature	90 °C	194 °F
Sterilization Temperature	125 °C	255 °F
Tube type		1/4 Sst.
Inlet		1/4 Bsp M
Outlet		1/4 Bsp M

LANCE AL-F 55MPA - MOULDED GRIP-STRAIGHT - STAINLESS STEEL TUBE

P/N	Length		Hand Grip	Col.	Weight		
	mm	in.			gr	oz	
40.0221.22	1050	41,33	AL-F 12 in	Red	776	27,37	10
40.0222.22	1200	47,24	AL-F 12 in	Red	820	28,92	10

Rated Pressure	550 bar - 55 MPa	8000 psi
Rated Flow	50 l/min	13 USGpm
Rated Temperature	90 °C	194 °F
Sterilization Temperature	125 °C	255 °F
Tube type		1/4 Sst.
Inlet		1/4 Bsp M
Outlet		1/4 Bsp M

LANCE AL-F - ZINC-PLATED TUBE

P/N	Length mm	Length in.	Couplings	Weight gr	Weight oz		
40.0210.22	233	9,17	1/4 Bsp MM	128	4,5	50	
40.0208.22	470	18,5	1/4 Bsp MM	274	9,66	50	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

INSULATED HAND GRIP + TUBE -R5-S3

P/N	Length mm	Length in.	Hand Grip	Tube type	Weight gr	Weight oz		
40.0370.00	380	15	S3	Z.pl.steel	384	13,54	30	✓
40.0371.00	380	15	S3	Stainl. steel	346	12,2	30	
40.5453.00	430	17	R5	Z.pl.steel	415	14,64	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet	1/4 Bsp M (R5) - 1/4 Bspt M (S3)	
Outlet	1/4 Bsp F (R5) - 1/4 Bsp F (S3)	

INSULATED GRIP ML-R5-S3-S4

P/N	Length mm	Length in.	Hand Grip	Casing colour	Couplings	Weight gr	Weight oz		
40.5016.23	192	7,5	ML	Black	Hex.19 × d.13 mm	100	3,53	20	
40.5020.23	290	11,4	ML	Black	Hex.19 × d.13 mm	144	5,08	40	✓
40.5022.23	400	15,7	ML	Black	Hex.19 × d.13 mm	191	6,74	40	
40.5024.23	440	17,3	ML	Black	Hex.19 × d.13 mm	208	7,34	40	
40.0041.84R	292	11,5	R5	Black	Hex.19 × d.13 mm	107	3,77	5	✓
40.0044.84R	292	11,5	R5	Blue	Hex.19 × d.13 mm	107	3,77	5	
40.0043.84R	292	11,5	R5	Red	Hex.19 × d.13 mm	107	3,77	5	
40.0042.84R	420	16,5	R5	Black	Hex.19 × d.13 mm	159	5,61	5	
40.9995.98R	300	11,8	S4	Black	Hex.19 × d.13 mm	120	4,23	20	
40.0300.00	360	12,7	S3	Black	Hex.19 × d.13 mm	129	4,55	30	✓
40.0300.05	360	12,7	S3	Black	Hex.19 × d.13,9 mm	136	4,8	30	✓

Rated Temperature	160 °C	320 °F

TIP PROTECTOR

P/N	Col.	Weight gr	Weight oz		
40.0020.00	Black	19	0,67	1	✓
40.0020.30	Red	18	0,63	10	✓
40.0020.60	Blue	18	0,63	10	✓
40.0020.80	Gray	19	0,67	10	✓

Couplings	40.0007.51-61

EXTENSION - ZINC-PLATED TUBE

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
40.5049.00	300	11,8	1/4 Bsp M	1/4 Npt F	197	6,95	50	
40.5060.00	500	19,7	1/4 Bsp M	1/4 Npt F	290	10,23	25	✓
40.5070.00	700	27,5	1/4 Bsp M	1/4 Npt F	405	14,2	30	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.

EXTENSION - STAINLESS STEEL TUBE

P/N	Length		Inlet	Outlet	Weight			
	mm	in.			gr	oz		
40.5069.00	500	19,7	1/4 Bsp M	1/4 Npt F	254	8,96	50	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Lances with tip protector and nozzle holder.

ZINC PLATED TUBE 1/4 BSP MM

P/N	Length		Outlet	Weight			
	mm	in.		gr	oz		
40.5056.66R	200	7,9	1/4 Bsp M	96	3,39	100	
40.5050.66R	300	11,8	1/4 Bsp M	160	5,6	50	✓
40.5033.66R	400	15,7	1/4 Bsp M	198	6,98	25	
40.5055.66R	500	19,7	1/4 Bsp M	246	8,68	50	✓
40.7602.66R	600	23,6	1/4 Bsp M	298	10,51	50	
40.5702.66R	700	27,5	1/4 Bsp M	364	12,84	25	
40.9421.66R	800	31,5	1/4 Bsp M	430	15,2	25	
40.5902.66R	900	35,4	1/4 Bsp M	450	15,87	25	
40.6008.66R	1000	39,4	1/4 Bsp M	540	18,8	25	
40.8212.66R	1200	47,2	1/4 Bsp M	590	20,81	25	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Inlet		1/4 Bsp M
Hose Ø	13 mm	0,511 in

ZINC PLATED TUBE 1/4 NPT MM

P/N	Length		Outlet	Weight		
	mm	in.		gr	oz	
40.0037.66R	760	30	1/4 Npt M	400	14,1	25
40.5904.66R	900	35,4	1/4 Npt M	480	16,9	25

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Inlet		1/4 Npt M
Hose Ø	13 mm	0,511 in

STAINLESS STEEL TUBE 1/4 BSP MM

P/N	Length		Outlet	Weight			
	mm	in.		gr	oz		
41.0501.56R	300	11,8	1/4 Bsp M	124	4,37	50	✓
40.5061.56R	400	15,7	1/4 Bsp M	168	5,93	50	✓
40.0503.56R	500	19,7	1/4 Bsp M	208	7,34	50	
40.7604.56R	600	23,6	1/4 Bsp M	247	8,78	50	
40.7711.56R	700	27,5	1/4 Bsp M	292	10,3	50	
40.8011.56R	800	31,4	1/4 Bsp M	339	11,95	25	
40.9011.56R	900	35,4	1/4 Bsp M	363	12,8	25	
40.6012.56R	1000	39,9	1/4 Bsp M	422	14,88	25	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Inlet		1/4 Bsp M
Hose Ø	13 mm	0,511 in

STAINLESS STEEL TUBE 1/4 NPT MM

P/N	Length		Outlet	Weight		
	mm	in.		gr	oz	
40.0022.56R	203	8	1/4 Npt M	83	2,9	200
40.9014.56R	400	15,7	1/4 Npt M	178	6,3	50
40.8012.56R	800	31,4	1/4 Npt M	322	11,4	25
40.0024.56R	1000	39,9	1/4 Npt M	417	14,7	25
40.0023.56R	1830	72	1/4 Npt M	770	27,16	25

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Inlet		1/4 Npt M
Hose Ø	13 mm	0,511 in

LD9 - WITH S3 VENTED GRIP

P/N	Length		Tube type	Outlet	Weight			
	mm	in.			gr	oz		
41.0905.00	690	27	1/4 Sst.	1/4 Npt F	934	32,94	10	✓
41.0805.00	890	35	1/4 z.pl.	1/4 Npt F	1300	45,85	10	✓
41.0806.00	890	35	1/4 Sst.	1/4 Npt F	1183	41,73	10	✓
41.0800.00	1090	43	1/4 z.pl.	1/4 Npt F	1528	53,89	10	✓
41.0900.00	1090	43	1/4 Sst.	1/4 Npt F	1347	47,51	10	✓
41.0850.00	1090	43	1/8 Sst.	1/4 Npt F	1208	42,61	10	
41.0902.00	1600	63	1/4 Sst.	1/4 Npt F	1851	65,29	3	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M

LD7/3 - WITH S3 VENTED GRIP

P/N	Length		Tube type	Outlet	Weight		
	mm	in.			gr	oz	
41.0600.00	1070	42,1	1/8 Sst.	1/4 Npt F	1106	39	10
41.0630.00	890	35	1/4 z.pl.	1/4 Npt F	1223	43,14	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Hand Grip		S3
Inlet		1/4 Bsp M

LD7 - WITH R5 ROUND GRIP

P/N	Inlet	Length		Tube type	Weight			
		mm	in.		gr	oz		
41.0682.00	1/4 Bsp M	1050	41,3	1/4 z.pl. × 1/8 Sst.	1060	37,4	10	✓
41.0682.05	1/4 Npt M	1050	41,3	1/4 z.pl. × 1/8 Sst.	1060	37,4	20	
41.0684.00	1/4 Bsp M	850	33,4	1/4 z.pl. × 1/8 Sst.	948	33,44	10	✓
41.0684.05	1/4 Npt M	850	33,4	1/4 z.pl. × 1/8 Sst.	948	33,44	20	
41.0672.00	1/4 Bsp M	1050	41,3	1/4 × 1/8 Sst.	1037	36,58	10	✓
41.0672.05	1/4 Npt M	1050	41,3	1/4 × 1/8 Sst.	1037	36,58	20	
41.0674.00	1/4 Bsp M	850	33,4	1/4 × 1/8 Sst.	922	32,52	10	✓
41.0674.05	1/4 Npt M	850	33,4	1/4 × 1/8 Sst.	922	32,52	20	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Hand Grip		R5
Outlet		1/4 Npt F

LD - WITH VERTICAL VALVE

P/N	Hand Grip	Length		Tube type	Weight			
		mm	in.		gr	oz		
41.0330.00	1-PFL	850	33,4	1/4 z.pl.	1006	35,48	15	✓
41.0340.00	R5	1050	41,3	1/4 z.pl.	1026	36,19	10	
41.0880.00	LD9+S3+knob	1090	43	1/4 z.pl.	1578	55,66	10	✓
41.0881.00	LD9+S3+knob	1090	43	1/4 Sst.	1365	48,14	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Outlet		1/4 Npt F
Inlet		1/4 Bsp M

LD9 - FRONT SECTION

P/N	Length mm	Length in.	Tube type	Outlet	Weight gr	Weight oz		
41.0925.00	300	11,8	1/4 Sst.	1/4 Npt F	639	22,54	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp F

LD7 - FRONT SECTION

P/N	Length mm	Length in.	Tube type	Outlet	Weight gr	Weight oz		
41.0698.00	220	8,7	1/8 Sst.	1/4 Npt F	442	15,6	10	✓
41.0390.00	500	19,7	1/8 Sst.	1/4 Npt F	650	22,93	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp F

LD1 - LD3 - WITH S3 VENTED GRIP

P/N	Length mm	Length in.	Tube type	Outlet	Weight gr	Weight oz	
41.0700.00	1090	43	1/4 z.pl.	1/4 Npt F	1650	28,45	10
Sst removable valve seat.							
41.0750.00	1090	43	1/4 z.pl.	1/4 Npt F	1650	28,45	10

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5080 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Hand Grip		S3
Inlet		1/4 Bsp M

LD1 -LD3 - WITH PFL 300 ROUND GRIP

P/N	Inlet	Length mm	Length in.	Tube type	Weight gr	Weight oz	
41.0710.00	1/4 Bsp M	1050	41,3	1/4 z.pl.	1605	56,85	10
Sst removable valve seat.							
41.0760.00	1/4 Bsp M	1050	41,3	1/4 z.pl.	1600	56,53	10

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5080 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Hand Grip		1-PFL
Outlet		1/4 Npt F

LD9SST. AI303 - FRONT SECTION

P/N	Length mm	Length in.	Tube type	Outlet	Weight gr	Weight oz	
41.0050.00	700	27,6	1/4 Sst.	1/4 Npt F	647	22,8	5

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303
Inlet		1/4 Bsp F

LDM11 - COAXIAL BARREL - WITH S7 GRIP

P/N	Length		Tube type	Outlet	Weight		
	mm	in.			gr	oz	
41.0295.00	887	34,92	Stainl. steel	1/4 Npt F	1080	38,1	10
41.0315.00	1087	42,8	Stainl. steel	1/4 Npt F	1221	43,07	10

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	160 °C	320 °F
Inlet		1/4 Bsp M
Low pressure nozzle		40-30

LD60SST. AI303 - FRONT SECTION - M24

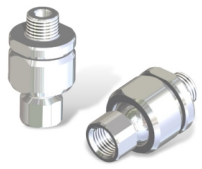
P/N	Length		Tube type	Outlet	Weight		
	mm	in.			gr	oz	
41.0000.00	500	19,7	1/4 Sst.	1/4 Npt F	1631	57,5	1
41.0000.70	700	27,6	1/4 Sst.	1/4 Npt F	1951	68,81	1

Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9500 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	43 °C	109 °F
Material		Stainless steel 303
Inlet		AR9 'A' - M24
Hand Grip		30.5830.00

ADJUSTABLE ANGLE COUPLINGS LOW PRESSURE - ST. STEEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1600.00	1/4 Bspt M	1/4 Bsp F	136	4,8	10	✓

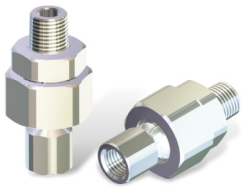
Rated Pressure	50 bar - 5 MPa	700 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel 303



ADJUSTABLE ANGLE COUPLINGS HIGH PRESSURE - ST. STEEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1700.00	1/4 Npt M	1/4 Npt F	94	3,32	10	✓
26.1700.15	1/4 Bsp M	1/4 Bsp F	94	3,32	10	✓

Rated Pressure	275 bar - 27,5 MPa	4000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Angle of rotation		60°
Material		Stainless steel 303



TD1 - DOUBLE NOZZLE HOLDER

P/N	Inlet	Outlet	Weight gr	Weight oz		
23.0000.00	1/4 Bsp F	2 × 1/4 Npt F	165	5,8	25	✓
23.0000.50	1/4 Bsp F	2 × 1/8 Npt F	174	6,14	25	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

TD1P -DOUBLE NOZZLE HOLDER WITH KNOB

P/N	Inlet	Outlet	Weight gr	Weight oz		
23.0015.00	1/4 Bsp F	2 × 1/4 Npt F	194	6,84	25	✓
23.0015.50	1/4 Bsp F	2 × 1/8 Npt F	200	7	25	

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

TR1 - ADJUSTABLE NOZZLE HOLDER

P/N	Inlet	Outlet	Weight gr	Weight oz		
22.0000.00	1/4 Bsp F	1/4 Npt F	116	4,09	25	✓
22.0000.15	1/4 Bsp F	1/8 Npt F	122	4,3	25	✓
22.0000.05	1/4 Npt F	1/4 Npt F	115	4,06	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

TR4 - ADJUSTABLE NOZZLE WITH TIP PROTECTOR

P/N	Inlet	Outlet	Weight gr	Weight oz		
22.0100.00	1/4 Bsp F	1/4 Npt F	230	8,11	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

"EG"- 1/4 BSP NOZZLE HOLDER

P/N	Inlet	Outlet	Weight gr	Weight oz		
40.0050.00	1/4 Bsp F	--	77	2,72	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Temperature	160 °C	320 °F

SLUDGE PUMP

P/N	Inlet	Outlet	Nozzle type	Nozzle mm	Weight gr	Weight oz		
28.0750.44R	3/8 Bsp F	1" 1/4 Bsp F	1/4 Npt M	0°	329	11,6	3	✓
13.5039.30R	1" 1/4 Bsp M	30 mm hose barb	-	-	32	1,2	5	
13.5040.40R	1" 1/4 Bsp M	40 mm hose barb	-	-	32	1,2	5	

Rated Pressure	250 bar - 25 MPa	3650 psi
Max. flow rate	25 l/min	6,5 USGpm
Rated Temperature	90 °C	195 °F

Use only 0° nozzle

GS3 - THREE WAY NOZZLE

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.0800.45	045	1/4 Bsp F	224	7,9	5	✓
25.0800.55	055	1/4 Bsp F	223	7,87	5	✓
25.0800.60	06	1/4 Bsp F	223	7,87	5	✓

Low pressure nozzle		40-20
Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	80 °C	175 °F

HL250 - VARIABLE SPRAY ANGLE NOZZLE +HI-LO SETTING

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.0700.10	02	1/4 Bsp F	146	5,15	10	✓
25.0700.11	025	1/4 Bsp F	145	5,11	10	✓
25.0700.12	03	1/4 Bsp F	146	5,15	10	✓
25.0700.25	032	1/4 Bsp F	146	5,15	10	
25.0700.13	035	1/4 Bsp F	146	5,15	10	✓
25.0700.35	037	1/4 Bsp F	145	5,11	10	
25.0700.14	04	1/4 Bsp F	146	5,15	10	✓
25.0700.15	045	1/4 Bsp F	146	5,15	10	✓
25.0700.55	05	1/4 Bsp F	146	5,15	10	✓
25.0700.16	053	1/4 Bsp F	150	5,3	10	
25.0700.65	055	1/4 Bsp F	146	5,15	10	✓
25.0700.66	06	1/4 Bsp F	146	5,15	10	✓
25.0700.18	07	1/4 Bsp F	146	5,15	10	✓
25.0700.20	08	1/4 Bsp F	146	5,15	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

HL280 - VARIABLE SPRAY ANGLE NOZZLE +HI-LO SETTING

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.0950.10	02	1/4 Bsp F	240	8,47	10	
25.0950.11	025	1/4 Bsp F	242	8,54	10	
25.0950.12	03	1/4 Bsp F	240	8,47	10	✓
25.0950.13	035	1/4 Bsp F	240	8,47	10	✓
25.0950.14	04	1/4 Bsp F	240	8,47	10	✓
25.0950.15	045	1/4 Bsp F	240	8,47	10	✓
25.0950.16	053	1/4 Bsp F	240	8,47	10	
25.0950.50	05	1/4 Bsp F	240	8,47	10	✓
25.0950.55	055	1/4 Bsp F	240	8,47	10	✓
25.0950.60	06	1/4 Bsp F	240	8,47	10	✓
25.0950.18	07	1/4 Bsp F	240	8,47	10	✓
25.0950.22	09	1/4 Bsp F	242	8,54	10	✓
25.0950.24	12	1/4 Bsp F	240	8,46	10	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

VAN 250 - VARIABLE SPRAY ANGLE NOZZLE

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
25.0850.11	025	1/4 Bsp F	132	4,66	10	
25.0850.12	03	1/4 Bsp F	130	4,6	10	
25.0850.13	035	1/4 Bsp F	130	4,6	10	
25.0850.14	04	1/4 Bsp F	130	4,6	10	
25.0850.15	045	1/4 Bsp F	132	4,66	10	
25.0850.16	053	1/4 Bsp F	130	4,6	10	
25.0850.20	08	1/4 Bsp F	130	4,6	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

VAN - VARIABLE SPRAY ANGLE NOZZLE

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
25.0900.10	025	1/4 Bsp F	127	4,48	10	✓
25.0900.11	03	1/4 Bsp F	126	4,44	10	✓
25.0900.12	035	1/4 Bsp F	126	4,44	10	✓
25.0900.13	04	1/4 Bsp F	126	4,44	10	✓
25.0900.14	045	1/4 Bsp F	126	4,44	10	✓
25.0900.50	05	1/4 Bsp F	126	4,44	10	✓
25.0900.15	055	1/4 Bsp F	126	4,44	10	✓
25.0900.16	06	1/4 Bsp F	126	4,44	10	✓
25.0900.18	08	1/4 Bsp F	126	4,44	10	✓
25.0900.23	13	1/4 Bsp F	126	4,44	10	✓
25.0900.28	20	1/4 Bsp F	124	4,37	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

SN1 - STEAM NOZZLE

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
25.2201.35R	06	1/4 Bsp F	130	4,2	5	✓

Rated Pressure	100 bar - 10 MPa	1450 psi
Rated Temperature	130 °C	266 °F

UR12 - ROTATING NOZZLE 1/4BSP F - 12 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1612.25	025	1/4 Bsp F	386	13,61	5	
25.1612.30	03	1/4 Bsp F	381	13,44	5	

Min. operating pressure	30 bar - 3 MPa	435 psi
Rated Pressure	120 bar - 12 MPa	1725 psi
Min.flow rate	3.1 (025 - 30 bar) l/min	0.8 (025 - 435 psi)
Rated Temperature	100 °C	212 °F
Min.operating temperature	5 °C	41 °F

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UR16 - ROTATING NOZZLE 1/4BSP F - 16 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1680.20	02	1/4 Bsp F	410	14,46	5	✓
Min.operating pressure : 80 bar - 8 MPa (1150 psi)						
25.1680.25	025	1/4 Bsp F	410	14,46	5	✓
25.1680.30	03	1/4 Bsp F	410	14,46	5	✓
25.1680.35	035	1/4 Bsp F	410	14,46	5	✓
25.1680.40	04	1/4 Bsp F	412	14,53	5	✓
25.1680.45	045	1/4 Bsp F	411	14,5	5	✓
25.1680.50	05	1/4 Bsp F	412	14,53	5	✓
25.1680.55	055	1/4 Bsp F	410	14,46	5	
25.1680.60	06	1/4 Bsp F	412	14,53	5	✓
25.1680.65	065	1/4 Bsp F	406	14,32	5	
25.1680.70	07	1/4 Bsp F	410	14,46	5	✓
25.1680.80	08	1/4 Bsp F	412	14,53	5	✓

Min. operating pressure	30 bar - 3 MPa	435 psi
Rated Pressure	160 bar - 16 MPa	2300 psi
Min.flow rate	3.1 (025 - 30 bar) l/min	0.8 (025 - 435 psi)
Max. flow rate	23 (08 - 160 bar) l/min	6,1 (08 - 2300 psi)
Rated Temperature	100 °C	212 °F
Min.operating temperature	5 °C	41 °F

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UR20 - ROTATING NOZZLE 1/4BSP F -20 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1720.20	02	1/4 Bsp F	292	10,3	5	
25.1720.30	03	1/4 Bsp F	290	10,23	5	✓
25.1720.35	035	1/4 Bsp F	291	10,26	5	✓
25.1720.40	04	1/4 Bsp F	290	10,23	5	✓
25.1720.45	045	1/4 Bsp F	292	10,3	5	✓
25.1720.50	05	1/4 Bsp F	293	10,33	5	✓
25.1720.55	055	1/4 Bsp F	290	10,23	5	✓
25.1720.60	06	1/4 Bsp F	291	10,26	5	
25.1720.65	065	1/4 Bsp F	292	10,3	5	✓
25.1720.70	07	1/4 Bsp F	335	11,8	5	✓

Rated Pressure	200 bar - 20 MPa	3000 psi
Rated Temperature	90 °C	195 °F

UR36CT -SST.ROTATING NOZZLE 1/2 NPT F 21 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1000.40	04	1/2 Npt F	508	18,14	1	
25.1000.60	06	1/2 Npt F	508	18,14	1	
25.1000.80	08	1/2 Npt F	508	18,14	1	
25.1000.10	10	1/2 Npt F	508	18,14	1	
25.1000.12	12	1/2 Npt F	508	18,14	1	

Rated Pressure	210 bar - 21 MPa	3045 psi
Min. operating pressure	40 bar - 4 MPa	600 psi
Rated Temperature	60 °C	140 °F
Min.operating temperature	5 °C	41 °F
Material		Stainless steel

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UR25 - ROTATING NOZZLE 1/4 BSP F - 25 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1620.20	02	1/4 Bsp F	410	14,46	5	✓
25.1620.30	03	1/4 Bsp F	410	14,46	5	✓
25.1620.35	035	1/4 Bsp F	410	14,46	5	✓
25.1620.40	04	1/4 Bsp F	410	14,46	5	✓
25.1620.45	045	1/4 Bsp F	410	14,46	5	✓
25.1620.50	05	1/4 Bsp F	411	14,5	5	✓
25.1620.55	055	1/4 Bsp F	412	14,53	5	✓
25.1620.60	06	1/4 Bsp F	411	14,5	5	✓
25.1620.65	065	1/4 Bsp F	410	14,46	5	✓
25.1620.70	07	1/4 Bsp F	412	14,53	5	✓
25.1620.80	08	1/4 Bsp F	410	14,46	5	✓

Min. operating pressure	80 bar - 8 MPa	1150 psi
Rated Pressure	250 bar - 25 MPa	3650 psi
Min.flow rate	4,3 (02 - 100 bar) l/min	1,2 (02 - 1450 psi)
Max. flow rate	29 (08 - 250 bar) l/min	7,7 (08 - 3650 psi)
Rated Temperature	100 °C	212 °F
Min.operating temperature	5 °C	41 °F

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UR1 - ROTATING NOZZLE 1/4 NPT M - 35 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1100.11	03	1/4 Npt M	119	4,2	5	✓
25.1100.12	035	1/4 Npt M	118	4,16	5	✓
25.1100.13	04	1/4 Npt M	118	4,16	5	✓
25.1100.14	045	1/4 Npt M	119	4,2	5	✓
25.1100.15	05	1/4 Npt M	119	4,2	5	
25.1100.16	06	1/4 Npt M	120	4,23	5	
25.1100.18	09	1/4 Npt M	118	4,16	5	

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	80 °C	175 °F

UR32 - ROTATING NOZZLE 1/4BSP F - 35 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1690.30	03	1/4 Bsp F	410	14,46	5	✓
25.1690.35	035	1/4 Bsp F	410	14,46	5	✓
25.1690.40	04	1/4 Bsp F	412	14,53	5	✓
25.1690.45	045	1/4 Bsp F	412	14,53	5	✓
25.1690.50	05	1/4 Bsp F	410	14,46	5	✓
25.1690.55	055	1/4 Bsp F	410	14,46	5	✓
25.1690.60	06	1/4 Bsp F	410	14,46	5	✓
25.1690.65	065	1/4 Bsp F	410	14,46	5	✓
25.1690.70	07	1/4 Bsp F	410	14,46	5	✓
25.1690.80	08	1/4 Bsp F	411	14,5	5	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Min. operating pressure	180 bar - 18 MPa	2600 psi
Min.flow rate	9,1 (03 - 180 bar) l/min	2,4 (03 - 2600 psi)
Max. flow rate	34 (08 - 350 bar) l/min	9 (08 - 5100 psi) USGpm
Rated Temperature	100 °C	212 °F
Min.operating temperature	5 °C	41 °F
Material		Brass

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UR35 - ROTATING NOZZLE 1/4 BSP F - 35 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1735.20	02	1/4 Bsp F	725	25,5	5	
25.1735.30	03	1/4 Bsp F	708	24,97	5	✓
25.1735.35	035	1/4 Bsp F	725	25,5	5	✓
25.1735.40	04	1/4 Bsp F	716	25,25	5	✓
25.1735.45	045	1/4 Bsp F	725	25,5	5	✓
25.1735.50	05	1/4 Bsp F	713	25,15	5	✓
25.1735.55	055	1/4 Bsp F	725	25,5	5	✓
25.1735.60	06	1/4 Bsp F	716	25,25	5	✓
25.1735.65	065	1/4 Bsp F	714	25,18	5	✓
25.1735.80	08	1/4 Bsp F	725	25,5	5	✓
25.1735.90	09	1/4 Bsp F	716	25,25	5	✓
25.1735.10	10	1/4 Bsp F	717	25,29	5	✓
25.1735.12	12	1/4 Bsp F	716	25,25	5	✓
25.1735.19	20	1/4 Bsp F	715	25,22	5	

Rated Pressure	350 bar - 35 MPa	5000 psi
Rated Temperature	90 °C	194 °F

UR36 -SST.ROTATING NOZZLE 1/4BSP F - 36 MPA

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1410.30	03	1/4 Bsp F	325	11,46	1	
25.1410.40	04	1/4 Bsp F	326	11,5	1	✓
25.1410.50	05	1/4 Bsp F	322	11,36	1	✓
25.1410.60	06	1/4 Bsp F	325	11,46	1	✓
25.1410.70	07	1/4 Bsp F	325	11,46	1	
25.1410.80	08	1/4 Bsp F	325	11,46	1	

Rated Pressure	360 bar - 36 MPa	5250 psi
Min.flow rate	9,1 (03 - 180 bar) l/min	2,4 (03 - 2600 psi)
Max. flow rate	34 (08 - 360 bar) l/min	9 (08 - 5250 psi) USGpm
Min. operating pressure	180 bar - 18 MPa	2600 psi
Rated Temperature	100 °C	212 °F
Min.operating temperature	5 °C	41 °F
Material		Stainless steel 303

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UR40 - ROTATING NOZZLE 1/4BSP F - 40MPA/5800 PSI

P/N	Nozzle Size	Inlet	Weight		
			gr	oz	
25.1950.30	03	1/4 Bsp F	434	15,3	5
25.1950.35	035	1/4 Bsp F	434	15,3	5
25.1950.40	04	1/4 Bsp F	434	15,3	5
25.1950.45	045	1/4 Bsp F	434	15,3	5
25.1950.50	05	1/4 Bsp F	434	15,3	5
25.1950.55	055	1/4 Bsp F	434	15,3	5
25.1950.60	06	1/4 Bsp F	434	15,3	5
25.1950.65	065	1/4 Bsp F	434	15,3	5
25.1950.70	07	1/4 Bsp F	434	15,3	5
25.1950.80	08	1/4 Bsp F	434	15,3	5
25.1950.10	10	1/4 Bsp F	441	15,6	5
Nozzle and seat in tungsten carbide					
25.1950.12	12	1/4 Bsp F	441	15,6	5
Nozzle and seat in tungsten carbide					

Rated Pressure	400 bar - 40 MPa	5800 psi
Min. operating pressure	180 bar - 18 MPa	2600 psi
Rated Temperature	60 °C	140 °F
Min.operating temperature	5 °C	41 °F
Material		Brass

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UR3 - ROTATING NOZZLE 1/2 BSP F - 50MPA

P/N	Nozzle Size	Inlet	Type	Weight			
				gr	oz		
25.1148.14	045	1/2 Bsp F	1 nozzle	505	17,81	1	
25.1148.16	055	1/2 Bsp F	1 nozzle	505	17,81	1	
25.1150.10	05	1/2 Bsp F	2 nozzles	507	17,88	1	✓
25.1150.11	06	1/2 Bsp F	2 nozzles	510	17,99	1	✓
25.1150.13	08	1/2 Bsp F	2 nozzles	510	17,99	1	✓
25.1150.15	10	1/2 Bsp F	2 nozzles	509	17,95	1	

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Temperature	80 °C	175 °F

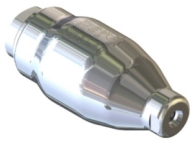
UR50 - ROTATING NOZZLE 1/4 BSP F - 50MPA

P/N	Nozzle Size	Inlet	Weight		
			gr	oz	
25.1750.30	03	1/4 Bsp F	677	23,88	1
25.1750.40	04	1/4 Bsp F	722	25,47	1
25.1750.45	045	1/4 Bsp F	726	25,61	1
25.1750.50	05	1/4 Bsp F	725	25,57	1
25.1750.55	055	1/4 Bsp F	724	25,54	1
25.1750.60	06	1/4 Bsp F	680	23,98	1
25.1750.65	065	1/4 Bsp F	678	23,91	1
25.1750.70	07	1/4 Bsp F	720	25,4	1

Rated Pressure	500 bar - 50 MPa	7250 psi
Rated Temperature	90 °C	194 °F

UR60 -SST.ROTATING NOZZLE 1/4BSP F - 60 MPA NEW

P/N	Nozzle Size	Inlet	Weight gr	Weight oz		
25.1460.20	02	1/4 Bsp F	540	19,05	1	
25.1460.30	03	1/4 Bsp F	540	19,05	1	✓
25.1460.35	035	1/4 Bsp F	540	19,05	1	✓
25.1460.40	04	1/4 Bsp F	540	19,05	1	✓
25.1460.50	05	1/4 Bsp F	540	19,05	1	✓
25.1460.60	06	1/4 Bsp F	541	19,08	1	✓
25.1460.65	065	1/4 Bsp F	541	19,08	1	✓
25.1460.70	07	1/4 Bsp F	540	19,05	1	
25.1460.80	08	1/4 Bsp F	540	19,05	1	
13.5080.51R		1/2 Bsp F	122	4,31	5	



Rated Pressure	600 bar - 60 MPa	8700 psi
Min.flow rate	6.2 (02 - 180 bar) l/min	1.6 (02 - 2600 psi)
Max. flow rate	44.6 (08 - 600 bar) l/min	11.8 (08 - 8700 psi)
Min. operating pressure	180 bar - 18 MPa	2600 psi
Min.operating temperature	5 °C	41 °F
Rated Temperature	90 °C	195 °F

Patent No.: I 0001350055

UR70 -SST.ROTATING NOZZLE 1/4BSP F - 70 MPA NEW

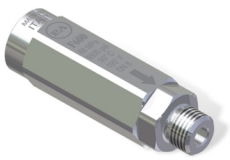
P/N	Nozzle Size	Inlet	Weight gr	Weight oz	
25.1570.30	03	1/4 Bsp F	693	24,5	1
25.1570.35	035	1/4 Bsp F	693	24,5	1
25.1570.40	04	1/4 Bsp F	693	24,5	1
25.1570.50	05	1/4 Bsp F	693	24,5	1
25.1570.60	06	1/4 Bsp F	693	24,5	1
25.1570.65	065	1/4 Bsp F	693	24,5	1
25.1570.70	07	1/4 Bsp F	693	24,5	1
25.1570.80	08	1/4 Bsp F	693	24,5	1
13.5074.51R		3/8 Bsp F	92	3,8	5

Rated Pressure	700 bar - 70 MPa	10150 psi
Min. operating pressure	180 bar - 18 MPa	2600 psi
Rated Temperature	60 °C	140 °F
Min.operating temperature	5 °C	41 °F
Material		Stainless steel

Patent No.: EP 3646953 B1 \ I 0001350055

SST.STRAINER X ROTATING NOZZLE 1/4BSP F M- 60 MPA

P/N	Inlet	Outlet	Weight gr	Weight oz		
28.0180.00	1/4 Bsp F	1/4 Bsp M	22,4	0,78	5	✓



Rated Pressure	600 bar - 60 MPa	8700 psi
Max. flow rate	44,6 l/min	11,8 USGpm
Rated Temperature	90 °C	195 °F
Min.operating temperature	5 °C	41 °F
Filtration parameter	50 mesh	400 µm
Material		Stainless steel 303

TS3 -SAND BLASTER - PLASTIC-HARD.STEEL

P/N	Nozzle Size	Inlet	Weight		
			gr	oz	
25.0080.12	03	1/4 Bsp F	344	12,13	1
25.0080.14	04	1/4 Bsp F	346	12,2	1

Rated Pressure	120 bar - 12 MPa	1750 psi
Permissible Pressure	140 bar - 14 MPa	2000 psi
Rated Flow	20 l/min	5,3 USGpm
Rated Temperature	90 °C	195 °F

PLF300 EXTENSION WITH TS3 SAND BLASTER - M22

P/N	Hose length		Weight		
	m	yd	gr	oz	
41.1140.12	3	3,28	1090	38,76	1

TS2 - SAND BLASTER - HARD.STEEL

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
25.0020.12	03	1/4 Bsp F	590	20,81	1	✓
25.0020.14	04	1/4 Bsp F	599	21,13	1	✓
25.0020.15	045	1/4 Bsp F	592	20,88	1	✓
25.0020.16	05	1/4 Bsp F	596	21,02	1	✓

Rated Pressure	120 bar - 12 MPa	1750 psi
Permissible Pressure	140 bar - 14 MPa	2000 psi
Rated Flow	20 l/min	5,3 USGpm
Rated Temperature	90 °C	195 °F

TS8 - SANDBLASTER - TUNGSTEN CARBIDE

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
25.0000.10	02	1/4 Bsp F	650	22,9	1	
25.0000.12	03	1/4 Bsp F	639	22,54	1	✓
25.0000.14	04	1/4 Bsp F	632	22,29	1	✓
25.0000.15	045	1/4 Bsp F	633	22,32	1	✓
25.0000.16	05	1/4 Bsp F	630	22,22	1	✓
25.0000.18	075	1/4 Bsp F	631	22,26	1	✓
25.0000.20	085	1/4 Bsp F	637	22,47	1	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F

TS12 - SAND BLASTER 500 BAR - FLAT SPRAY PATTERN

P/N	Inlet	Nozzle Size	Weight			
			gr	oz		
25.0450.00	1/4 Bsp F	1/4Npt M - 15°	912	32,17	1	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F

High pressure nozzles.See 16.1415.XX

TS12 - SAND BLASTER 500 BAR - PENCIL SPRAY PATTERN

P/N	Inlet	Nozzle Size	Weight			
			gr	oz		
25.0460.00	1/4 Bsp F	1/4Npt M - 0°	998	35,2	1	✓

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F

High pressure nozzles.See 16.1401.XX

TS12 - SAND BLASTER 500BAR-EXTND. - PENCIL SPRAY PATTERN

P/N	Inlet	Nozzle Size	Weight		
			gr	oz	
25.0480.00	1/4 Bsp F	1/4Npt M - 0°	1620	57,1	1

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	195 °F

High pressure nozzles.See 16.1415.XX

TS12 - 0° 50MPA NOZZLE - (CONV.+O-RING)

P/N	Nozzle Size	Inlet	Type	Weight			
				gr	oz		
16.1401.40	0° -04	1/4 Npt M	Compl.nozzle	19	0,67	2	✓
16.1401.50	0° -05	1/4 Npt M	Compl.nozzle	19	0,67	2	✓
16.1401.55	0° -055	1/4 Npt M	Compl.nozzle	18	0,6	2	
10.3002.01R	-	-	O-ring	1	1	10	
25.0506.51R	-	-	Guid.vane	1	1	3	

Rated Pressure	500 bar - 50 MPa	7250 psi

These nozzles are compulsory for use under high pressure - 500 bar - 7250 psi

S10 - ADJUSTABLE PROBE

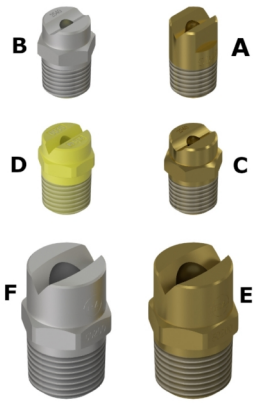
P/N	Length		Inlet	Weight			
	mm	in.		gr	oz		
25.0300.00	500	19,7	13 mm (TS8-TS2-TS3)	610	21,5	1	✓
25.0300.20	500	19,7	21 mm (TS12)	662	23,35	1	✓

Material	Stainless steel

LOW PRESSURE NOZZLES

P/N	Inlet	Nozzle type	Nozzle Size	Type	Material	Weight gr	Weight oz		
16.1350.40	1/4 Npt M	50°	40	A	Brass	14	0,49	10	✓
16.1345.40	1/4 Bspt M	25	40	B	Stainless steel 303	16	0,56	10	✓
16.1327.40	1/4 Bspt M	25	40	C	Brass	16	0,56	10	
16.1346.30R	1/4 Npt M	60°	30	D	Pom	16	0,56	10	
16.1360.20	1/2 Bst M	50°	200	E	Brass	16	0,56	3	✓
16.1361.20	1/2 Bst M	50°	200	F	Stainless steel 303	16	0,56	2	✓

Rated Pressure 50 bar - 5 MPa 715 psi



AI303 SST. HIGH PRESSURE NOZZLE M4 - 0°

P/N	Nozzle Size	Inlet	External diameter mm	External diameter in	Weight gr	Weight oz		
25.1189.51R	016	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1190.51R	02	Hex.2 mm	4	01,58	0,86	0,03	10	
25.1191.51R	023	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1091.51R	025	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1092.51R	03	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1193.51R	032	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1093.51R	035	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1098.51R	037	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1094.51R	04	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1095.51R	045	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1195.51R	05	Hex.2 mm	2	1,58	0,86	0,03	10	
25.1196.51R	053	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1197.51R	055	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1186.51R	06	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1199.51R	07	Hex.2 mm	4	1,58	0,86	0,03	10	
25.1085.51R	08	Hex.2 mm	4	1,58	0,86	0,03	10	✓
25.0958.51R	09	Hex.2,5 mm	4,5	1,78	0,84	0,03	10	
25.0959.51R	12	Hex.2,5 mm	4,5	1,78	0,84	0,03	10	

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel 303
Inlet M 4 x 0,7 mm

0° pencil jet nozzles

AI 303 SST. HIGH PRESSURE NOZZLE M4 SHORT - 0°

P/N	Nozzle Size	Inlet	External diameter mm	External diameter in	Weight gr	Weight oz		
80.0350.51R	02	Hex.2 mm	4	01,58	0,86	0,03	10	
80.0351.51R	025	Hex.2 mm	4	01,58	0,86	0,03	10	✓
80.0352.51R	03	Hex.2 mm	4	01,58	0,86	0,03	10	
80.0353.51R	035	Hex.2 mm	4	01,58	0,86	0,03	10	✓
80.0354.51R	04	Hex.2 mm	4	01,58	0,86	0,03	10	✓

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel 303
Inlet M 4 x 0,7 mm

0° pencil jet nozzles

AI 316L SST. HIGH PRESSURE NOZZLE M4 SHORT - 0°

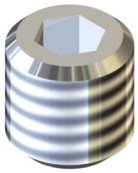
P/N	Nozzle Size	Inlet	External diameter		Weight		
			mm	in	gr	oz	
80.0899.60R	016	Hex.2 mm	4	1,58	0,86	0,03	4
80.0892.60R	02	Hex.2 mm	4	1,58	0,86	0,03	4
80.0893.60R	025	Hex.2 mm	4	1,58	0,86	0,03	4
80.0882.60R	03	Hex.2 mm	4	1,58	0,86	0,03	4
80.0883.60R	035	Hex.2 mm	4	1,58	0,86	0,03	4
80.0884.60R	04	Hex.2 mm	4	1,58	0,86	0,03	4
80.0885.60R	045	Hex.2 mm	4	1,58	0,86	0,03	4
80.0895.60R	05	Hex.2 mm	4	1,58	0,86	0,03	4
80.0886.60R	055	Hex.2 mm	4	1,58	0,86	0,03	4
80.0887.60R	06	Hex.2 mm	4	1,58	0,86	0,03	4
80.0888.60R	065	Hex.2 mm	4	1,58	0,86	0,03	4
80.0889.60R	07	Hex.2 mm	4	1,58	0,86	0,03	4
80.0890.60R	-	Hex.2 mm	4	1,58	0,86	0,03	4

Rated Pressure	250 bar - 25 MPa	3650 psi
Material		Stainless steel Ai316
Inlet		M 4 x 0,7 mm

0° pencil jet nozzles

SST. HIGH PRESSURE NOZZLE M6 - 0°

P/N	Nozzle Size	Weight			
		gr	oz		
25.1250.51R	015	1	0,04	10	
25.1251.51R	025	1	0,04	10	✓
25.1252.51R	035	1	0,04	10	
25.1255.51R	055	1	0,04	10	✓
25.1257.51R	07	1	0,04	10	✓
25.1258.51R	075	1	0,04	10	✓
25.1259.51R	08	1	0,04	10	✓
25.1260.51R	10	1	0,04	10	✓
25.1263.51R	12	1	0,04	10	✓
25.1265.51R	15	1	0,04	10	

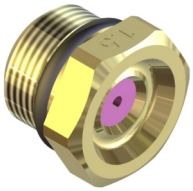


Rated Pressure	250 bar - 25 MPa	3650 psi
Material		Stainless steel
Inlet		M 6 x 1 mm

0° pencil jet nozzles

HIGH PRESSURE NOZZLE M15X1 - 0°

P/N	Nozzle Size	Hole size		Weight		
		mm	in	gr	oz	
16.1280.12R	035	1,2	0,05	19	0,67	10
16.1280.15R	06	1,5	0,06	19	0,67	10
16.1280.18R	075	1,8	0,07	19	0,67	10
16.1280.23R	09	2,3	0,09	19	0,67	10
16.1280.35R	25	3,5	0,14	19	0,67	10



Rated Pressure	250 bar - 25 MPa	3650 psi
Nozzle material		Alumina
Inlet		M15x1 M

0° pencil jet nozzles

HIGH PRESSURE NOZZLE M15X1 - 0°- NI.PL.BRASS

P/N	Nozzle Size	Hole size		Weight			
		mm	in	gr	oz		
16.1270.35R	30	3,5	0,14	21	0,74	10	
16.1270.40R	30	4,0	0,16	21	0,74	10	
16.1270.45R	40	4,5	0,18	21	0,74	10	
16.1270.50R	55	5	0,20	20	0,71	10	
16.1270.55R	65	5,5	0,22	21	0,74	10	
16.1270.60R	80	6	0,24	21	0,74	10	
16.1270.70R	90.00	7	0,28	21	0,74	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Nozzle material		Brass
Inlet		M15x1 M

0° pencil jet nozzles

SST HIGH PRESSURE NOZZLE M16X2 - 0°

P/N	Nozzle Size	Hole size		Weight			
		mm	in	gr	oz		
41.0121.51R	03	1	0,04	19	0,67	10	
41.0122.51R	12	2	0,08	19	0,67	10	✓
41.0123.51R	25	3	0,12	19	0,67	10	
41.0133.51R	35	3,7	0,15	19	0,67	10	
41.0134.51R	40	3,9	0,155	19	0,67	10	
41.0135.51R	50	4,4	0,173	19	0,67	10	
41.0147.51R	90.00	7	0,275	19	0,67	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Nozzle material		St. steel
Inlet		M16 x 2 mm

0° pencil jet nozzles

SST. HIGH PRESSURE NOZZLE 1/4NPT M 0°+GUIDE VANE

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
16.1380.30R	03	1/4 Npt M	19	0,7	10	
16.1380.35R	035	1/4 Npt M	19	0,7	10	
16.1380.40R	04	1/4 Npt M	19	0,7	10	✓
16.1380.45R	045	1/4 Npt M	19	0,7	10	
16.1380.50R	05	1/4 Npt M	19	0,7	10	
16.1380.55R	055	1/4 Npt M	19	0,7	10	
16.1380.60R	06	1/4 Npt M	19	0,7	10	
16.1380.65R	065	1/4 Npt M	19	0,7	10	
16.1380.70R	07	1/4 Npt M	19	0,67	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Material		Stainless steel

0° pencil jet nozzles with sst guide vane

SST. HIGH PRESSURE NOZZLE 1/8NPT M 0°+GUIDE VANE

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
16.1363.20R	02	1/8 Npt M	14	0,5	10	
16.1363.30R	03	1/8 Npt M	14	0,49	10	
16.1363.40R	04	1/8 Npt M	14	0,5	10	✓
16.1363.45R	045	1/8 Npt M	14	0,5	10	
16.1363.50R	05	1/8 Npt M	14	0,49	10	
16.1363.60R	06	1/8 Npt M	14	0,5	10	
16.1363.70R	07	1/8 Npt M	14	0,5	10	
16.1363.80R	08	1/8 Npt M	14	0,5	10	
16.1363.90R	09	1/8 Npt M	14	0,5	10	

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel

0° pencil jet nozzles with sst guide vane

SST EXTENDED NOZZLE 1/4 NPT M- 0°+ GUIDE VANE

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
80.0418.23R	07	1/4 Npt M	43	1,5	2	✓
80.0419.23R	08	1/4 Npt M	43	1,5	2	✓
80.0420.23R	09	1/4 Npt M	43	1,5	2	✓
80.0421.23R	095	1/4 Npt M	43	1,5	2	✓
80.0422.23R	11	1/4 Npt M	43	1,5	2	✓
80.0423.23R	12	1/4 Npt M	43	1,5	2	✓
80.0424.23R	13	1/4 Npt M	43	1,5	2	✓
80.0425.23R	14	1/4 Npt M	43	1,5	2	✓
80.0426.23R	15	1/4 Npt M	43	1,5	2	
80.0427.23R	16	1/4 Npt M	43	1,5	2	
80.0428.23R	18	1/4 Npt M	43	1,5	2	✓
80.0429.23R	19	1/4 Npt M	43	1,5	2	
80.0430.23R	20	1/4 Npt M	43	1,5	2	✓
80.0435.23R	25	1/4 Npt M	43	1,5	2	
80.0440.23R	30	1/4 Npt M	43	1,5	2	✓
80.0444.23R	40	1/4 Npt M	43	1,5	2	✓
80.0445.23R	50	1/4 Npt M	43	1,5	2	✓

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel

The use of protection 25.4822.00 is recommended when mounting these nozzles on a A80 R tank cleaner.

SST HIGH PRESSURE NOZZLE 1/4 NPT M - 5°

P/N	Nozzle type	Inlet	Weight		
			gr	oz	
16.1305.30R	03	1/4 Npt M	16	0,56	10
16.1305.40R	04	1/4 Npt M	18	0,6	10
16.1305.50R	05	1/4 Npt M	18	0,6	10
16.1305.60R	06	1/4 Npt M	18	0,6	10
16.1305.70R	07	1/4 Npt M	18	0,6	10
16.1305.80R	08	1/4 Npt M	18	0,6	10

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel

SST HIGH PRESSURE NOZZLE 1/4 NPT M 15°

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
16.1315.30R	03	1/4 Npt M	16	0,56	10	✓
16.1315.35R	035	1/4 Npt M	16	0,56	10	✓
16.1315.40R	04	1/4 Npt M	16	0,56	10	✓
16.1315.45R	045	1/4 Npt M	16	0,56	10	✓
16.1315.50R	05	1/4 Npt M	16	0,56	10	✓
16.1315.55R	055	1/4 Npt M	16	0,56	10	✓
16.1315.60R	06	1/4 Npt M	16	0,56	10	✓
16.1315.65R	065	1/4 Npt M	16	0,56	10	✓
16.1315.70R	07	1/4 Npt M	16	0,56	10	✓
16.1315.80R	08	1/4 Npt M	16	0,56	10	✓
16.1315.90R	09	1/4 Npt M	16	0,56	10	✓

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel

SST HIGH PRESSURE NOZZLE 1/8NPT M 15°

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
16.1316.20R	02	1/8 Npt M	12	0,42	3	✓
16.1316.30R	03	1/8 Npt M	12	0,42	3	✓
16.1316.40R	04	1/8 Npt M	12	0,42	3	✓
16.1316.45R	045	1/8 Npt M	12	0,42	3	✓
16.1316.55R	055	1/8 Npt M	14	0,5	3	
16.1316.60R	06	1/8 Npt M	14	0,5	3	
16.1316.70R	07	1/8 Npt M	14	0,5	3	
16.1316.90R	09	1/8 Npt M	14	0,5	3	

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel

SST HIGH PRESSURE NOZZLE 1/4 NPT M 25°

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
16.1325.30R	03	1/4 Npt M	16	0,56	10	✓
16.1325.35R	035	1/4 Npt M	16	0,56	10	✓
16.1325.40R	04	1/4 Npt M	16	0,56	10	✓
16.1325.45R	045	1/4 Npt M	16	0,56	10	✓
16.1325.50R	05	1/4 Npt M	16	0,56	10	✓
16.1325.55R	055	1/4 Npt M	16	0,56	10	✓
16.1325.60R	06	1/4 Npt M	16	0,56	10	✓
16.1325.65R	065	1/4 Npt M	16	0,56	10	✓
16.1325.70R	07	1/4 Npt M	16	0,56	10	✓
16.1325.80R	08	1/4 Npt M	16	0,56	10	✓

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel

NOZZLE 0° - 100MPA SAPPHIRE -1/4-1/8

P/N	Hole size		Inlet	Weight		
	mm	in		gr	oz	
16.1408.40R	1,4	0,055	1/8 Npt M	11	0,4	2
16.1408.54R	1,60	0,063	1/8 Npt M	11	0,4	2
16.1408.60R	1,70	0,067	1/8 Npt M	11	0,4	2

Nozzle type		0°
Rated Pressure	1000 bar - 100 MPa	14500 psi
Material		Stainless steel
Nozzle material		Sapphire

These nozzles are compulsory for use under high pressure - 500 -1000 bar - 7250 -14500 psi

HIGH PRESSURE 50MPA NOZZLE - 15°

P/N	Nozzle Size	Inlet	Weight			
			gr	oz		
16.1415.40	15° -04	1/4 Npt M	17	0,6	2	✓
16.1415.50	15° -05	1/4 Npt M	17	0,6	2	
16.1415.55	15° -055	1/4 Npt M	17	0,6	2	
16.1415.80	15° -08	1/4 Npt M	17	0,6	2	
16.1415.90	15° -09	1/4 Npt M	17	0,6	2	

Rated Pressure	500 bar - 50 MPa	7250 psi

These nozzles are compulsory for use under high pressure - 500 bar - 7250 psi - Nozzle suitable for TS12

NOZZLE 40° 50MPA TUNG.CARBIDE -1/4-1/8

P/N	Hole size		Inlet	Weight		
	mm	in		gr	oz	
16.1444.20R	0,94	0,037	1/4 Npt M	18	0,6	2
16.1444.30R	1,14	0,045	1/4 Npt M	18	0,6	2
16.1444.49R	1,45	0,057	1/4 Npt M	18	0,6	2
16.1444.55R	1,55	0,061	1/4 Npt M	18	0,6	2
16.1448.20R	0,94	0,037	1/8 Npt M	11	0,4	2
16.1448.30R	1,14	0,045	1/8 Npt M	11	0,4	2
16.1448.38R	1,29	0,05	1/8 Npt M	11	0,4	2
16.1448.49R	1,45	0,057	1/8 Npt M	11	0,4	2
16.1448.55R	1,55	0,061	1/8 Npt M	11	0,4	2

Nozzle type		40°
Rated Pressure	500 bar - 50 MPa	7250 psi
Material		Stainless steel
Nozzle material		Tungsten carbide

These nozzles are compulsory for use under high pressure - 500 bar - 7250 psi

ST 3 DRAIN CLEANING NOZZLE 1/8 BSP F

P/N	Nozzle Size	Weight			
		gr	oz		
25.1203.30	03	10	0,35	3	✓
25.1203.40	04	10	0,35	3	✓
25.1203.50	05	10	0,35	3	✓
25.1203.60	06	10	0,35	3	✓
25.1203.70	07	10	0,35	3	
25.1203.80	08	10	0,35	3	

Rated Pressure	350 bar - 35 MPa	5100 psi
Material		Stainless steel 303
No. of Ports		3
Inlet		1/8 Bsp F

ST 3 DRAIN CLEANING NOZZLE 1/4 BSP F

P/N	Nozzle Size	Weight			
		gr	oz		
25.1213.30	03	18	0,63	3	✓
25.1213.40	04	18	0,63	3	✓
25.1213.50	05	18	0,63	3	✓
25.1213.60	06	18	0,63	3	✓
25.1213.70	07	18	0,63	3	
25.1213.80	08	18	0,63	3	

Rated Pressure	350 bar - 35 MPa	5100 psi
Material		Stainless steel 303
No. of Ports		3
Inlet		1/4 Bsp F

DRAIN CLEANING NOZZLE 1/4 BSP M

P/N	Rated pr.		Nozzle Size	No. of Ports	Weight			
	bar - MPa	psi			gr	oz		
25.1201.51R	250 - 25	3650	04	4	23	0,81	10	✓
25.1216.31R	120 - 12	1750	035	3	24	0,8	10	✓

Mater : Brass

Inlet	1/4 Bsp M
Material	Stainless steel

ST 3 DRAIN CLEANING NOZZLE 3/8 BSP F

P/N	Nozzle Size	Weight			
		gr	oz		
25.1223.30	03	34	1,2	3	
25.1223.40	04	34	1,2	3	✓
25.1223.50	05	34	1,2	3	
25.1223.60	06	34	1,2	3	
25.1223.70	07	34	1,2	3	
25.1223.80	08	34	1,2	3	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Material		Stainless steel 303
No. of Ports		3
Inlet		3/8 Bsp F

ST 4 DRAIN CLEANING NOZZLE 1/8 BSP F

P/N	Nozzle Size	Weight gr	Weight oz		
25.1204.30	03	10	0,35	3	✓
25.1204.40	04	10	0,35	3	✓
25.1204.50	05	10	0,35	3	✓
25.1204.60	06	10	0,35	3	✓
25.1204.70	07	10	0,35	3	✓
25.1204.80	08	10	0,35	3	

Rated Pressure	350 bar - 35 MPa	5100 psi
Material		Stainless steel 303
No. of Ports		4
Inlet		1/8 Bsp F

ST 4 DRAIN CLEANING NOZZLE 1/4 BSP F

P/N	Nozzle Size	Weight gr	Weight oz		
25.1214.30	03	18	0,63	3	✓
25.1214.40	04	18	0,63	3	✓
25.1214.50	05	18	0,63	3	✓
25.1214.60	06	18	0,63	3	✓
25.1214.70	07	18	0,63	3	
25.1214.80	08	18	0,63	3	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Material		Stainless steel 303
No. of Ports		4
Inlet		1/4 Bsp F

ST 4 DRAIN CLEANING NOZZLE 3/8 BSP F

P/N	Nozzle Size	Weight gr	Weight oz		
25.1224.30	03	34	1,2	3	
25.1224.40	04	35	1,23	3	✓
25.1224.50	05	34	1,2	3	✓
25.1224.60	06	34	1,2	3	✓
25.1224.70	07	34	1,2	3	
25.1224.80	08	34	1,2	3	✓
25.1224.12	12	34	1,2	3	

Rated Pressure	350 bar - 35 MPa	5100 psi
Material		Stainless steel 303
No. of Ports		4
Inlet		3/8 Bsp F

DRAIN CLEANING NOZZLE 3/8 BSP M

P/N	Nozzle Size	No. of Ports	Inlet	Weight gr	Weight oz		
25.1210.51R	06	9	3/8 Bsp M	36	1,2	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Material		Stainless steel

STR-1/8 ROTAT. DRAIN CLEANING NOZZLE 1/8 BSP F

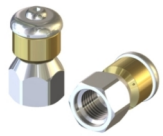
P/N	Nozzle Size	Weight gr	Weight oz		
25.1285.30	03	30	1,06	3	✓
25.1285.40	04	30	1,06	3	✓
25.1285.50	05	30	1,06	3	✓
25.1285.60	06	30	1,06	3	✓
25.1285.70	07	30	1,06	3	
25.1285.80	08	30	1,06	3	

Rated Pressure	250 bar - 25 MPa	3650 psi
Material		Ai303+Bz-Al
No. of Ports		3
Inlet		1/8 Bsp F
External diameter	18 mm	0,71 in

STR-1/4 ROTAT. DRAIN CLEANING NOZZLE 1/4 BSP F

P/N	Nozzle Size	Weight gr	Weight oz		
25.1290.30	03	35	1,23	3	✓
25.1290.40	04	34	1,2	3	✓
25.1290.50	05	35	1,23	3	✓
25.1290.60	06	35	1,23	3	✓
25.1290.70	07	35	1,23	3	✓
25.1290.80	08	35	1,23	3	✓

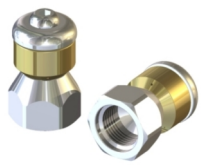
Rated Pressure	250 bar - 25 MPa	3650 psi
Material		Ai303+Bz-Al
No. of Ports		3
Inlet		1/4 Bsp F
External diameter	18 mm	0,71 in



STR-3/8 ROTAT. DRAIN CLEANING NOZZLE 3/8 BSP F

P/N	Nozzle Size	Weight gr	Weight oz		
25.1295.60	06	63	2,22	3	✓
25.1295.70	07	65	2,3	3	✓
25.1295.80	08	65	2,3	3	✓
25.1295.90	09	65	2,3	3	✓
25.1295.10	10	65	2,3	3	✓
25.1295.11	11	63	2,22	3	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Material		Ai303+Bz-Al
No. of Ports		3
Inlet		3/8 Bsp F
External diameter	22 mm	0.87 in



RU - DRAIN CLEANING NICK-PLATED STEEL NOZZLE

P/N	Nozzle Size	No. of Ports	Inlet	Weight gr	Weight oz		
25.1236.00	-	6	1/2 Bsp F	70	2,47	1	✓
25.1236.20	20	6	1/2 Bsp F	84	2,96	1	✓
25.1236.30	30	6	1/2 Bsp F	84	2,96	1	✓
25.1237.00	-	7	3/4 Bsp F	242	8,54	1	✓
25.1237.30	30	7	3/4 Bsp F	250	8,82	1	
25.1237.40	40	7	3/4 Bsp F	250	8,82	1	✓
25.1237.50	50	7	3/4 Bsp F	250	8,82	1	
25.1237.60	60	7	3/4 Bsp F	250	8,82	1	
25.1239.00	-	7	1 Bsp F	351	12,38	1	✓
25.1239.50	50	7	1 Bsp F	345	12,17	1	
25.1239.60	60	7	1 Bsp F	345	12,17	1	
25.1239.80	80	7	1 Bsp F	346	12,2	1	✓

Rated Pressure	300 bar - 30 MPa	4350 psi
Rated Temperature	160 °C	320 °F
Material		Nick.pl.steel

RR-TS - ROTATING DRAIN CLEANING STAINLESS STEEL NOZZLE -SPHERICAL HEAD

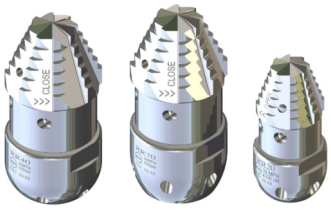
P/N	Nozzle Size	No. of Ports	Inlet	Weight gr	Weight oz		
25.1370.00	-	10	1/2 Bsp F	310	11	1	
25.1370.20	20	10	1/2 Bsp F	327	11,53	1	✓
25.1370.30	30	10	1/2 Bsp F	330	11,64	1	
25.1375.30	30	10	3/4 Bsp F	845	29,81	1	
25.1375.40	40	10	3/4 Bsp F	845	29,81	1	
25.1380.50	50	10	1 Bsp F	820	28,92	1	
25.1380.70	70	10	1 Bsp F	810	28,5	1	

Rated Pressure	300 bar - 30 MPa	4350 psi
Rated Temperature	160 °C	320 °F
Material		Stainless steel

RR-TF -SST. ROTATING DRAIN CLEANING -HEAD CUTTER

P/N	Nozzle Size	No. of Ports	Inlet	Weight gr	Weight oz		
25.1246.00	-	10	1/2 Bsp F	310	11	1	✓
25.1246.20	20	10	1/2 Bsp F	327	11,53	1	✓
25.1246.30	30	10	1/2 Bsp F	330	11,64	1	
25.1247.30	30	10	3/4 Bsp F	845	29,81	1	
25.1247.40	40	10	3/4 Bsp F	845	29,81	1	
25.1249.50	50	10	1 Bsp F	820	28,92	1	
25.1249.70	70	10	1 Bsp F	810	28,5	1	

Rated Pressure	300 bar - 30 MPa	4350 psi
Rated Temperature	160 °C	320 °F
Material		Stainless steel



DRAIN CLEANING NOZZLE WITH 10 M (10,9 YD) HOSE

P/N	Nozzle Size	Inlet	Mat.	Weight		
				gr	oz	
25.1280.001	04-055	1/4 Bsp M	Brass	2953	104,15	1

Supplied with 2 nozzles 04-055.
055 version is equipped with guide spring.
4 pcs kit

Rated Pressure	130 bar - 13 MPa	1890 psi
Tube type		3/16"
Hose length	10 m	10,9 yd

M27 × 2 - COUPLING TYPE "A+B"

P/N	Inlet	Couplings	Weight gr	Weight oz		
26.0450.00	1/4 Bsp F	A M27	84	2,96	10	
26.0460.00	1/4 Bsp F	B M27	66	2,3	10	

Rated Pressure	120 bar - 12 MPa	1750 psi
Permissible Pressure	130 bar - 13 MPa	1900 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	60 °C	140 °F

Pin Ø14 mm

AR1 - "A" NIPPLE M22 - Ø14 MM - BSP

P/N	Inlet	Weight gr	Weight oz		
26.0029.31R	1/8 Bsp F	65	2,3	10	
26.0051.31R	1/4 Bsp M	46	1,62	25	✓
26.0002.31R	1/4 Bsp F	65	2,3	25	✓
26.0030.31R	3/8 Bsp M	53	1,87	25	✓
26.0031.31R	3/8 Bsp F	68	2,4	25	✓
26.0032.31R	1/2 Bsp M	61	2,15	25	✓
26.0033.31R	1/2 Bsp F	80	2,82	25	✓
26.0041.31R	A M21	65	2,3	10	
26.0005.31R	A M22	65	2,3	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 M

AR41 - "A" SST. NIPPLE M22 Ø14 MM - BSP

P/N	Inlet	Weight gr	Weight oz		
26.0235.51R	3/8 Bsp F	54	1,9	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303

Pin Ø14 mm - M22×1,5 M

AR1 - "B" COUPLER M22 2 PCS. - BSP

P/N	Inlet	Hand nut	Weight gr	Weight oz		
26.0150.05	1/8 Bsp F	AR1 type	70	2,4	10	
26.0150.30	1/4 Bsp M	AR1 type	66	2,33	25	✓
26.0150.20	1/4 Bsp F	AR1 type	68	2,4	25	✓
26.9952.98	1/4 Bsp F	AR4 type	73	2,57	25	✓
26.9954.98	1/4 Bsp F	Old type	70	2,4	25	
26.0150.40	3/8 Bsp M	AR1 type	72	2,54	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22x1,5 F - non-revolving pin

AR1 - "B" COUPLER M22 2 PCS. ROTATING PIN - BSP

P/N	Inlet	Hand nut	Weight gr	Weight oz	
26.0150.31	1/4 Bsp M	AR1 type	70	2,4	5

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22x1,5 F

AR1 - "B" COUPLER M22- 3 PCS.- BSP

P/N	Inlet	Weight gr	Weight oz		
26.0250.05	1/8 Bsp F	112	3,9	5	
26.0250.30	1/4 Bsp M	104	3,67	25	✓
26.0250.20	1/4 Bsp F	118	4,16	25	✓
26.0250.50	3/8 Bsp M	111	3,92	25	✓
26.0250.40	3/8 Bsp F	117	4,13	25	✓
26.0250.70	1/2 Bsp M	124	4,37	10	✓
26.0250.60	1/2 Bsp F	147	5,18	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 F - non-revolving pin

AR1 - "B" COUPLER M22- 3 PCS. ROTATING PIN - BSP

P/N	Inlet	Weight gr	Weight oz		
26.0250.31	1/4 Bsp M	100	3,53	5	✓
26.0250.21	1/4 Bsp F	114	4,02	5	✓
26.0250.51	3/8 Bsp M	106	3,74	5	✓
26.0250.41	3/8 Bsp F	114	4,02	5	✓
26.0250.71	1/2 Bsp M	120	4,2	5	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22x1,5 F

AR41 -"B" SST. COUPLER M22- 3 PCS.- BSP

P/N	Inlet	Weight gr	Weight oz	
26.0230.40	3/8 Bsp F	125	4,41	5

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel 303

Pin Ø14 mm - M22×1,5 F

AR1 - "A" NIPPLE - 2×M22 - Ø14MM - WITH KNOB

P/N	Inlet	Weight gr	Weight oz		
26.0055.00	A 2× M22	176	6,21	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 M

AR1 - "A" NIPPLE M21- Ø14MM - BSP

P/N	Inlet	Weight gr	Weight oz		
26.0043.31R	1/8 Bsp F	65	2,3	10	
26.0044.31R	1/4 Bsp M	65	2,3	10	✓
26.0045.31R	1/4 Bsp F	56	1,98	10	✓
26.0046.31R	3/8 Bsp M	49	1,73	10	✓
26.0047.31R	3/8 Bsp F	65	2,3	10	✓
26.0049.31R	1/2 Bsp F	65	2,3	10	
26.0065.31R	M18 x 1,5 mm Ermeto	65	2,3	10	
26.0062.31R	M21 M	70	2,4	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M21×1,5 M

AR1 - "B" COUPLER M21 2 PCS. - BSP

P/N	Inlet	Weight gr	Weight oz	
26.0155.30	1/4 Bsp M	66	2,33	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

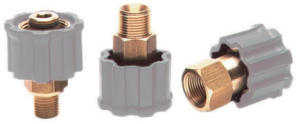
Pin Ø14 mm - M21×1,5 F

AR1 - "B" COUPLER M21- 3 PCS.- BSP

P/N	Inlet	Weight gr	Weight oz		
26.0270.30	1/4 Bsp M	104	3,67	25	✓
26.0270.20	1/4 Bsp F	118	4,16	25	✓
26.0270.50	3/8 Bsp M	110	3,88	25	✓
26.0270.40	3/8 Bsp F	118	4,16	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M21x1,5 F - non-revolving pin

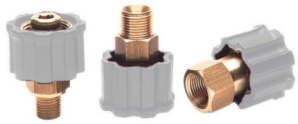


AR1 - "B" COUPLER M21- 3 PCS. ROTATING PIN - BSP

P/N	Inlet	Weight gr	Weight oz		
26.0270.41	3/8 Bsp F	112	33,9	10	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M21×1,5 F



AR1 - "A" NIPPLE M22 - Ø14MM - NPT

P/N	Inlet	Weight gr	Weight oz		
26.0080.31R	1/4 Npt M	65	2,3	25	✓
26.0081.31R	1/4 Npt F	65	2,3	25	✓
26.0079.31R	3/8 Npt M	65	2,3	25	✓
26.0082.31R	3/8 Npt F	71	2,5	25	✓
26.0083.31R	1/2 Npt M	65	2,3	25	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 M

AR1 - "B" COUPLER M22- 3 PCS.- NPT

P/N	Inlet	Weight gr	Weight oz		
26.0240.30	1/4 Npt M	106	3,74	25	✓
26.0240.20	1/4 Npt F	117	4,13	25	✓
26.0240.50	3/8 Npt M	110	3,88	25	✓
26.0240.40	3/8 Npt F	118	4,16	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 F

AR1 - "A" NIPPLE 1/2 BSP M -Ø14 MM -BSP

P/N	Inlet	Mat.	Weight gr	Weight oz		
26.0122.31R	3/8 Bsp M	Brass	50	1,76	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - 1/2 Bsp M

AR1 - "A" NIPPLE 1/2 BSP M - Ø15MM - BSP

P/N	Inlet	Mat.	Weight gr	Weight oz	
26.0113.31R	1/4 Bsp F	Brass	52	1,83	10

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

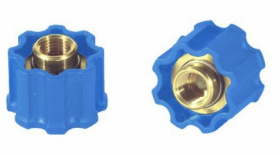
Pin Ø15 mm - 1/2 Bsp M

AR1 - "B" COUPLER 1/2 BSP F 2 PCS. -BSP

P/N	Inlet	Weight gr	Weight oz	
26.0110.20	1/4 Bsp F	64	2,26	25

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø15 mm - 1/2 Bsp F



AR1 - "B" COUPLER 2PCS M22 - Ø15MM - BSP

P/N	Inlet	Weight gr	Weight oz	
26.9152.98	1/4 Bsp F	64	2,3	5

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø15 mm - M22×1,5 F

AR1 - "B" COUPLER M22 - 3 PCS. - Ø15MM -BSP

P/N	Inlet	Weight gr	Weight oz		
26.0281.00	M22	110	3,88	5	
26.0281.40	3/8 Bsp F	126	4,44	10	✓
26.0281.50	3/8 Bsp M	102	3,6	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø15 mm - M22×1,5 F

AR5 - "A" EXTENDED NIPPLE TYPE M22-2 O-RINGS - BSP

P/N	Inlet	Weight			
		gr	oz		
26.1020.31R	1/4 Bsp M	59	2,08	25	✓
26.1032.31R	1/4 Bsp F	78	2,75	25	✓
26.1019.31R	3/8 Bsp M	80	2,8	25	✓
26.1037.31R	3/8 Bsp F	80	2,8	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm M22×1,5 M

AR5 - "B" EXTENDED COUPLER M22 2 PCS. 2 O-RINGS -BSP

P/N	Inlet	Type	Hand nut	Weight			
				gr	oz		
26.1029.00	1/4 Bsp M	Revolving	AR1 type	70	2,47	25	✓
Revolving connection							
26.1025.00	1/4 Bsp M	Revolving	AR1 type	66	2,33	10	✓
Revolving connection -sst piston							
26.1028.00	1/4 Bsp F	Fixed	AR1 type	74	2,61	25	
26.9950.98	1/4 Bsp F	Fixed	AR4 type	90	3,1	25	✓
26.1035.00	3/8 Bsp M	Fixed	AR1 type	82	2,89	25	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Brass

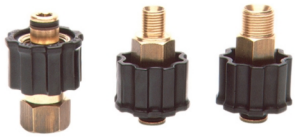
Pin Ø14 mm - M22×1,5 F

AR5 - "B" EXTENDED COUPLER M22 - 3PCS. 2 O-RINGS - BSP

P/N	Inlet	Type	Weight			
			gr	oz		
26.1034.50	1/4 Bsp M	Revolving	108	3,81	25	✓
26.1034.20	1/4 Bsp F	Revolving	121	4,27	25	✓
26.1034.00	3/8 Bsp M	Revolving	115	4,06	25	✓
26.1033.00	3/8 Bsp F	Revolving	130	4,6	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Revolving pin Ø14 mm- M22×1,5 F

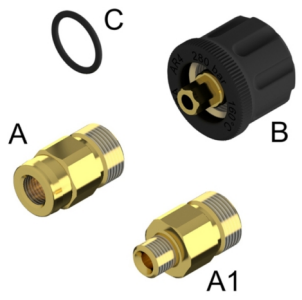


AR4 - COUPLER M22 +HEXAGONAL JOINT - BSP

P/N	Type	Inlet	Weight gr	Weight oz		
26.0220.00	B 2 pcs	1/4 Bsp F	80	2,82	25	✓
26.0225.31R	A	1/4 Bsp F	70	2,4	25	✓
26.0199.31R	A1	1/4 Bsp M	70	2,4	10	✓
10.3185.00R	C	Nbr	0,5	0,02	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 F with hexagonal joint and external O-ring to prevent unscrewing

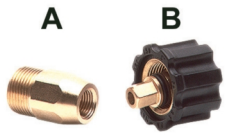


AR3 - COUPLER M22 +HEXAGONAL JOINT - BSP

P/N	Type	Inlet	Weight gr	Weight oz		
26.0205.00	B 2 pcs	1/4 Bsp F	74	2,61	25	✓
26.0199.31R	A	1/4 Bsp M	70	2,4	10	✓
26.0200.31R	A	1/4 Bsp F	74	2,61	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 F with hexagonal joint

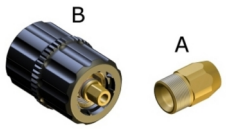


AR3/23 - COUPLER M22 + HEXAGONAL JOINT - BSP

P/N	Type	Inlet	Weight gr	Weight oz		
26.0210.00	B 2 pcs	1/4 Bsp F	108	3,81	5	✓
26.0199.31R	A	1/4 Bsp M	70	2,4	10	✓
26.0200.31R	A	1/4 Bsp F	70	2,4	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 F with hexagonal joint



ARG - REVOLVING COUPLER TYPE "B" M22 - 1 O-RING

P/N	Inlet	Type	Weight gr	Weight oz		
26.0900.00	1/4 Bsp M	B 2 pcs	133	4,69	15	✓
26.0910.00	A M22	B 3 pcs	192	6,77	15	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M22×1,5 F - revolving even under pressure -suitable for connecting spray gun and lance

AR7 - "A" NIPPLE 1/2 BSP M - BSP

P/N	Inlet	Hole size		Weight			
		mm	in	gr	oz		
26.0700.30	1/4 Bsp M	11	0,433	55	1,9	25	✓
26.0700.20	1/4 Bsp F	11	0,433	71	2,5	25	✓
26.0700.50	3/8 Bsp M	11	0,433	62	2,19	25	✓
26.0700.40	3/8 Bsp F	11	0,433	72	2,54	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø11mm

AR7 - "B" COUPLER 1/2 BSP F - 3 PCS. - BSP

P/N	Inlet	Hole size		Weight			
		mm	in	gr	oz		
26.0750.30	1/4 Bsp M	11	0,433	93	3,3	25	✓
26.0750.20	1/4 Bsp F	11	0,433	99	3,49	25	✓
26.0750.50	3/8 Bsp M	11	0,433	100	3,53	25	✓
26.0750.40	3/8 Bsp F	11	0,433	110	3,9	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

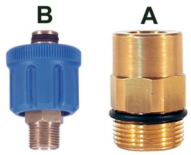
Pin Ø11mm

AR8- COUPLER 350 BAR M24 - 2 O-RINGS - BSP

P/N	Inlet	Type	Weight			
			gr	oz		
26.0630.20	1/4 Bsp F	A	96	3,39	10	✓
26.0630.40	3/8 Bsp F	A	88	3,1	10	✓
26.0630.50	3/8 Bsp M	A	76	2,68	10	✓
26.0615.20	1/4 Bsp F	B 2 pcs	88	3,1	5	✓
Coupling for outlet spray gun.						
26.0650.30	1/4 Bsp M	B 3 pcs	126	4,44	10	✓
26.0650.50	3/8 Bsp M	B 3 pcs	135	4,76	10	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø14 mm - M24×1,5 F



AR200- COUPLER 350 BAR M30 - 2 O-RINGS - BSP

P/N	Inlet	Type	Weight		
			gr	oz	
26.0840.60	3/4 Bsp F	A	147	5,2	2
26.0850.60	3/4 Bsp F	B 3 pcs	410	14,5	2

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	200 l/min	53 USGpm
Rated Temperature	60 °C	140 °F

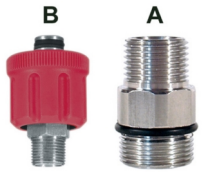
Pin Ø21,5 mm - M30×1,5 F

AR9 - COUPLER 600 BAR M24 - 2 O-RINGS - BSP

P/N	Inlet	Type	Weight gr	Weight oz		
26.0940.40	3/8 Bsp F	A	82	2,89	10	✓
26.0940.50	3/8 Bsp M	A	71	2,5	10	✓
26.0940.70	1/2 Bsp M	A	74	2,61	10	✓
26.0940.80	M24 M	A	87	3,07	10	
26.0950.40	3/8 Bsp F	B 3 pcs	145	5,1	10	✓
26.0950.30	1/4 Bsp M	B 3 pcs	136	4,8	10	✓
26.0950.50	3/8 Bsp M	B 3 pcs	142	5	10	✓
26.0950.70	1/2 Bsp M	B 3 pcs	145	5,1	10	✓

Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9500 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel

Pin Ø15 mm - M24×1,5 F



BAYONET COUPLING - 14 MM

P/N	Inlet	Type	Weight gr	Weight oz		
26.0605.00	1/4 Bsp F	A	42	1,48	10	✓
26.0604.31R	1/4 Bspt M taper 60°	B	84	2,96	10	✓

Rated Pressure	120 bar - 12 MPa	1750 psi
Permissible Pressure	140 bar - 14 MPa	2000 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

Pin Ø14 mm

BAYONET COUPLING - 14 MM

P/N	Inlet	Type	Weight gr	Weight oz		
26.0590.00	1/4 Bsp F	A	50	1,76	10	✓

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

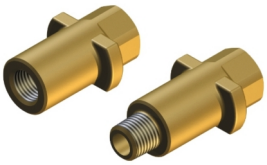
Pin Ø14 mm

BAYONET COUPLING - 8 MM

P/N	Inlet	Weight gr	Weight oz		
26.0606.00	1/4 Bsp F	100	3,53	10	✓
26.0610.00	1/4 Bspt M	116	4,09	10	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Material		Brass

Pin Ø 8 mm

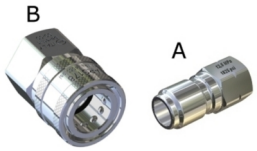


ARS 178 L - BALL-TYPE QUICK COUPLING 12,5 MPA -SST

P/N	Inlet	Type	Weight			
			gr	oz		
26.2500.10	3/8 Bsp F	B	105	3,7	5	✓
26.2500.30	1/2 Bsp F	B	132	4,66	5	✓
26.2500.40	1/2 Bsp M	B	140	4,94	5	✓
26.2530.00	1/4 Bsp F	A	50	1,7	5	✓
26.2530.10	3/8 Bsp F	A	50	1,7	5	
26.2530.30	1/2 Bsp F	A	86	3,03	5	✓
26.2530.40	1/2 Bsp M	A	50	1,7	5	✓

Rated Pressure	125 bar - 12,5 MPa	1825 psi
Permissible Pressure	140 bar - 14 MPa	2025 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel

Pin Ø17,8 mm - Internal hole Ø12 mm

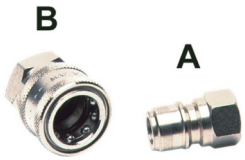


ARS 220 - BALL-TYPE QUICK COUPLING 220 BAR

P/N	Inlet	Type	Weight			
			gr	oz		
26.2030.20	1/4 Bsp F	B	184	6,49	25	
26.2030.25	1/4 Bsp M	B	196	6,91	25	
26.2030.00	3/8 Bsp F	B	173	6,12	25	✓
26.2030.80	M 22 F	B	156	5,5	25	✓
26.2040.61R	1/4 Bsp F	A	69	2,43	25	✓
26.2045.61R	1/4 Bsp M	A	60	2,12	25	
26.2035.61R	3/8 Bsp F	A	58	2,05	25	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	90 °C	195 °F

Pin Ø19,9 mm - Internal hole Ø12 mm- Compatible with ARS350

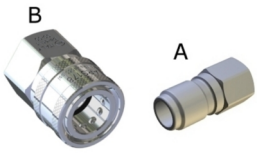


ARS 178 - BALL-TYPE QUICK COUPLING 25 MPA -SST

P/N	Inlet	Type	Weight			
			gr	oz		
26.2500.10	3/8 Bsp F	B	105	3,7	5	✓
26.2500.30	1/2 Bsp F	B	132	4,66	5	✓
26.2500.40	1/2 Bsp M	B	140	4,94	5	✓
26.2520.00R	1/4 Bsp F	A	47	1,66	5	✓
26.2520.10R	3/8 Bsp F	A	50	1,7	5	✓
26.2520.30R	1/2 Bsp F	A	87	3,07	5	✓
26.2520.40R	1/2 Bsp M	A	60	2,12	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel

Pin in hardened stainless steel Ø17,8 mm - Internal hole Ø12 mm

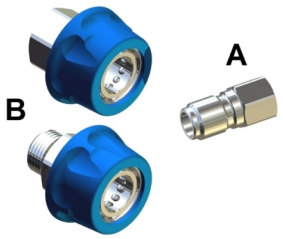


ARS 178 P - BALL-TYPE QUICK COUPLING 25 MPA -SST

P/N	Inlet	Type	Weight gr	Weight oz		
26.2555.30	1/2 Bsp F	B	154	5,43	5	✓
26.2555.40	1/2 Bsp M	B	164	5,78	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel
Casing colour		Blue

Pin in hardened stainless steel Ø17,8 mm - Internal hole Ø12 mm

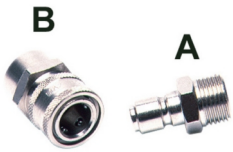


ARS 250 - BALL-TYPE QUICK COUPLING 250 BAR

P/N	Inlet	Type	Weight gr	Weight oz		
26.2010.20	1/4 Bsp F	B	114	4,02	25	✓
26.2010.00	3/8 Bsp M	B	101	3,56	25	✓
26.2010.10	3/8 Bsp F	B	118	4,16	25	✓
26.2010.40	1/2 Bsp M	B	114	4,02	25	✓
26.2010.30	1/2 Bsp F	B	123	4,34	25	✓
26.2016.61R	1/4 Bsp F	A	45	1,59	25	✓
26.2023.61R	3/8 Bsp M	A	44	1,55	25	✓
26.2015.61R	3/8 Bsp F	A	50	1,7	25	✓
26.2024.61R	1/2 Bsp M	A	52	1,83	25	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F

Pin Ø15 mm - Internal hole Ø8,5 mm

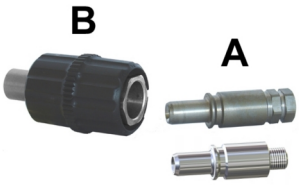


ARS 23 - SST BALL-TYPE QUICK COUPLING

P/N	Inlet	Type	Weight gr	Weight oz		
26.2300.00	1/4 Bsp F	B	278	9,81	5	✓
26.2350.51R	1/4 Bsp F	A	116	4,1	5	✓
26.2360.51R	1/4 Bsp M	A	115	4,1	5	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Material		Stainless steel

Pin Ø14 mm - Internal hole Ø8 mm



ARS 25 -BALL-TYPE QUICK COUPLING - KW

P/N	Inlet	Type	Mat.	Weight gr	Weight oz		
26.2400.00	1/4 Bsp F	B	Sst.+ brass	290	10,23	5	
26.2400.60	1/4 Bsp M	B1	Sst.+ brass	270	9,52	5	✓
26.2450.51R	1/4 Bsp F	A	St. steel	68	2,4	5	
26.2453.51R	1/4 Bsp M	A1	St. steel	82	2,89	5	✓
26.2451.51R	1/4 Bsp F x R5	A2	St. steel	74	2,61	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

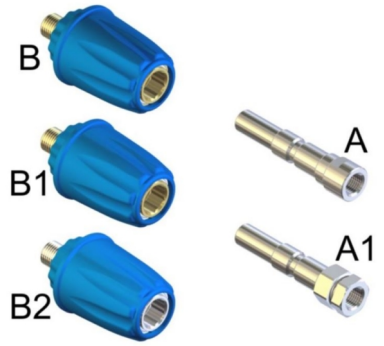
Pin Ø12 mm (0,47") - Internal hole Ø7 mm (0,28")

ARS 25 P -BALL-TYPE QUICK COUPLING - KW

P/N	Inlet	Type	Mat.	Weight gr	Weight oz		
26.2410.60	1/4 Bsp M	B	Brass	232	8,18	5	✓
Rated pr. 250bar – 25MPa – 3650psi Permiss.press. 280bar – 28MPa – 4050psi							
26.2415.60	1/4 Bsp M	B1	Sst.+ brass	232	8,18	5	
Rated pr. 250bar – 25MPa – 3650psi Permiss.press. 280bar – 28MPa – 4050psi							
26.2440.60	1/4 Bsp M	B2	St. steel	216	7,62	5	✓
Rated pr. 310bar – 31MPa – 4500psi Permiss.press. 350bar – 35MPa – 5100psi							
26.2450.51R	1/4 Bsp F	A	St. steel	68	2,4	5	
Rated pr. 310bar – 31MPa – 4500psi Permiss.press. 350bar – 35MPa – 5100psi							
26.2451.51R	1/4 Bsp F x R5	A1	St. steel	68	2,4	5	✓
Rated pr. 310bar – 31MPa – 4500psi Permiss.press. 350bar – 35MPa – 5100psi							

Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

Pin Ø12 mm (0,47") - Internal hole Ø7 mm (0,28")



ARSU - BALL-TYPE QUICK COUPLING FOR "Q-STYLE"-NOZZLE

P/N	Inlet	Hole size mm	Hole size in	Weight gr	Weight oz		
26.2060.00	1/4 Npt F	12	0,47	68	2,4	25	✓

Rated Pressure	310 bar - 31 MPa	4500 psi
Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F

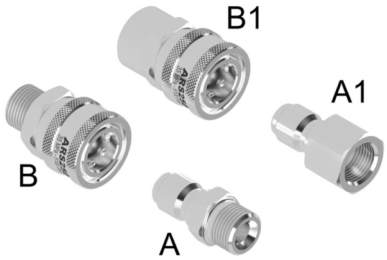
Pin Ø12 mm

ARS250-35MPA-SST BALL-TYPE QUICK COUPLING 35MPA

P/N	Inlet	Type	Weight		
			gr	oz	
26.2005.00	3/8 Bsp M	B	101	3,56	25
26.2005.10	3/8 Bsp F	B1	118	4,16	25
26.2006.51R	3/8 Bsp M	A	44	1,55	25
26.2007.51R	3/8 Bsp F	A1	50	1,7	25

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Material		Stainless steel

Pin Ø15 mm - Internal hole Ø8,5 mm

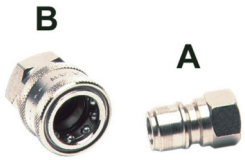


ARS 350 -STAINLESS STEEL BALL-TYPE QUICK COUPLING 350 BAR

P/N	Inlet	Type	Mat.	Weight			
				gr	oz		
26.2045.51R	1/4 Bsp M	A	St. steel	59	2,08	25	✓
26.2040.51R	1/4 Bsp F	A	St. steel	68	2,4	25	✓
26.2048.51R	3/8 Bsp M	A	St. steel	74	2,61	25	✓
26.2035.51R	3/8 Bsp F	A	St. steel	57	2,01	25	✓
26.2050.20	1/4 Bsp F	B	St. steel	166	5,85	25	✓
26.2050.25	1/4 Bsp M	B	St. steel	158	5,59	25	✓
26.2050.00	3/8 Bsp F	B	St. steel	158	5,57	25	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	90 °C	195 °F

Pin Ø19,9 mm - Internal hole Ø12 mm - Compatible with ARS220



ARS 350 P -STAINLESS STEEL BALL-TYPE QUICK COUPLING 35MPA

P/N	Inlet	Type	Mat.	Weight			
				gr	oz		
26.2055.25	1/4 Bsp M	B	St. steel	192	6,77	25	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	50 l/min	13,2 USGpm
Rated Temperature	90 °C	195 °F
Casing colour		Black

Pin Ø19,9 mm - Internal hole Ø12 mm

SW65 - LARGE FLOW BALL SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
30.6480.00	1/2 Bsp F	1/2 Bsp M	120	4,23	5	✓

Rated Pressure	24 bar - 2,4 MPa	350 psi
Rated Flow	100 l/min	26,5 USGpm
Rated Temperature	100 °C	212 °F
Max. working temperature	90 °C	194 °F
Max. RPM		30 giri/min
Material		Brass

SW5- LARGE FLOW SWIVEL

P/N	Inlet	Outlet	Mat.	Weight gr	Weight oz		
26.1070.00	1/2 Bsp M	1/2 Bsp F	Sst Ai 303	102	3,6	10	✓
26.1076.00	1/2 Bsp M	1/2 Bsp F	Sst Ai 316L	102	3,6	5	✓
26.1080.00	1/2 Bsp M	1/2 Bsp F	Brass	117	4,13	10	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	160 l/min	42 USGpm
Rated Temperature	90 °C	194 °F
Max. temperature for short	160 °C	320 °F

LR - LIGHT DUTY SWIVEL

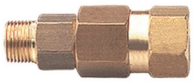
P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1000.00	3/8 Bsp M	3/8 Bsp F	75	2,65	10	✓
26.1000.05	3/8 Bsp M	1/4 Bsp F	82	2,89	10	✓
26.1000.10	3/8 Npt M	3/8 Npt F	76	2,6	10	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Max. working temperature	60 °C	140 °F
Material		Brass

MR-O - BRASS SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1040.00	1/4 Bspt M taper 60°	1/4 Bsp F	173	6,1	10	✓
26.1050.00	3/8Bspt M taper 60°	3/8 Bsp F	173	6,1	10	✓
26.1055.00	1/2 Bsp M	1/2 Bsp F	216	7,62	10	✓

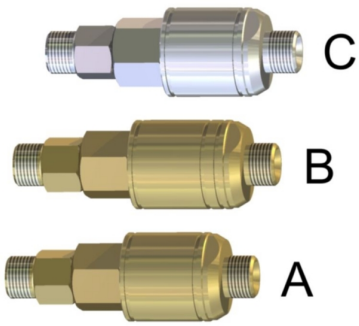
Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Max. working temperature	90 °C	194 °F
Material		Brass



SWIVEL FOR HIGH PRESSURE HOSE REEL -SST/BRASS

P/N	Type	Fitting	Inlet	Outlet	Material	Weight gr	Weight oz		
26.1100.20	A	2 seeger	3/8 Bsp M	3/8 Bsp M	Brass	386	13,62	5	✓
26.1100.30	B	3 seeger	3/8 Bsp M	3/8 Bsp M	Brass	386	13,62	5	
26.1150.00	C	2 seeger	3/8 Bsp M	3/8 Bsp M	Stainless steel 303	386	13,62	3	

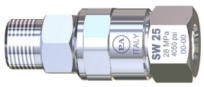
Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Max. working temperature	90 °C	194 °F



SW25 - SST. BALL BEARING SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1200.20	1/4 Bsp M	1/4 Bsp F	147	5,18	5	✓
26.1200.42	1/4 Bsp M	3/8 Bsp F	155	5,5	5	✓
26.1200.22	3/8 Bsp M	1/4 Bsp F	146	5,15	5	✓
26.1200.40	3/8 Bsp M	3/8 Bsp F	155	5,5	5	✓
26.1200.45	3/8 Bsp F	3/8 Bsp F	198	6,98	5	✓
26.1200.28	3/8 Bsp F	1/4 Bsp F	190	6,7	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	120 °C	250 °F
Max. working temperature	90 °C	194 °F
Max. RPM		30 giri/min
Material		Sst.+ nick.pl. brass

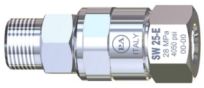


SW25-E - SST. BALL BEARING SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1250.20	1/4 Bsp M	1/4 Bsp F	148	5,22	5	
26.1250.40	3/8 Bsp M	3/8 Bsp F	155	5,5	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	120 °C	250 °F
Max. working temperature	90 °C	194 °F
Max. RPM		30 giri/min
Material		Sst.+ nick.pl. brass
Seals material		Epdm

Sturdy construction in nickel-plated brass and stainless steel, with compact dimensions with high performance.
EPDM seals ensure chemical compatibility of the swivels with detergents which can damage standard Viton seals.



SW90 - 90° SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1300.20	1/4 Bsp M	1/4 Bsp F	195	7	5	✓
26.1300.40	3/8 Bsp M	3/8 Bsp F	187	6,6	5	✓
26.1300.42	3/8 Bsp M	1/4 Bsp F	198	6,98	5	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Max. working temperature	90 °C	194 °F
Max. RPM		30 giri/min
Screw material		Stainless steel

SW90- E - 90° SWIVEL EPDM

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1350.20	1/4 Bsp M	1/4 Bsp F	195	7	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Max. working temperature	90 °C	194 °F
Max. RPM		30 giri/min
Screw material		Stainless steel
Seals material		Epdm

Sturdy construction in nickel-plated brass and stainless steel, with compact dimensions with high performance.
EPDM seals ensure chemical compatibility of the swivels with detergents which can damage standard Viton seals.

MR-I - STAINLESS STEEL SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1060.00	1/4 Bspt M taper 60°	1/4 Bsp F	162	5,71	10	✓
26.1061.00	3/8Bspt M taper 60°	3/8 Bsp F	160	5,64	10	✓
26.1060.50	1/4 Npt M	1/4 Npt F	168	5,93	10	✓
26.1061.50	3/8 Npt M	3/8 Npt F	166	5,85	10	✓
26.1062.00	3/8Bspt M taper 60°	1/4 Bsp F	168	5,93	10	

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	160 °C	320 °F
Max. working temperature	90 °C	194 °F
Max. RPM		30 giri/min
Material		Stainless steel

SW35 - SST. BALL BEARING SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1412.40	3/8 Bsp M	3/8 Bsp F	489	17,25	1	✓
26.1412.43	3/8 Bsp M	3/8 Bsp M	461	16,26	1	✓
26.1412.45	3/8 Bsp F	3/8 Bsp F	585	20,64	1	✓
26.1412.48	3/8 Bsp F	3/8 Bsp M	544	19,19	1	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	120 °C	250 °F
Max. working temperature	90 °C	194 °F
Max. RPM		2000 giri/min
Material		Sst.+ nick.pl. brass

SW90 - 90° STAINLESS STEEL SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1320.00	1/2 Bsp M	1/2 Bsp F	437	15,41	5	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	160 °C	320 °F
Max. working temperature	90 °C	194 °F
Max. RPM		30 giri/min
Material		Stainless steel

SW 600 -660 BAR- STAINLESS STEEL SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz	
30.5840.00	3/8 Bsp F	3/8 Bsp M	400	14,11	1

Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9570 psi
Rated Flow	60 l/min	15,8 USGpm
Rated Temperature	100 °C	212 °F
Max. working temperature	90 °C	194 °F
Max. RPM		30 giri/min
Material		Stainless steel

SW90-600 - 90° STAINLESS STEEL SWIVEL

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1330.00	1/2 Bsp M	1/2 Bsp F	636	22,43	2	✓

Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9570 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	90 °C	194 °F
Max. working temperature		
Max. RPM		30 giri/min
Material		Stainless steel

FOAM INJECTOR

P/N	Inlet	Outlet	Nozzle	Weight			
			mm	gr	oz		
21.0800.25	1/4 Bsp F	1/4 Bspt M	2,5	49	1,73	5	✓

Rated Pressure	120 bar - 12 MPa	1750 psi
Rated Flow	40 l/min	10,5 USGpm
Material		Stainless steel 303

EXTENDED CHEMICAL INJECTOR 3/8 BSP MM

P/N	Nozzle	Col.	Hose barb		Weight			
	mm		mm	in	gr	oz		
21.0600.12	1,2	Black	7	0,27	314	11,07	5	✓
21.0600.14	1,4	Red	7	0,27	315	11,11	5	✓
21.0600.18	1,8	Blue	7	0,27	315	11,11	5	✓
21.0600.21	2,1	Blue	7	0,27	300	10,6	5	✓

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp M
Outlet		3/8 Bsp M
Material		Brass
Type		Adjust.

Injector with high suction power

CHEMICAL INJECTOR 3/8 BSP MM

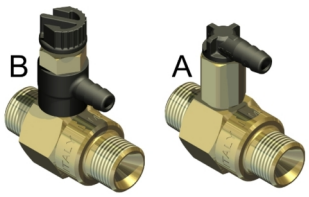
P/N	Type	Nozzle	Hose barb		Weight			
		mm	mm	in	gr	oz		
21.0000.00	Fixed	0	7	0,27	136	4,8	15	✓
21.0000.18	Fixed	1,8	7	0,27	140	4,9	15	✓
21.0000.21	Fixed	2,1	7	0,27	140	4,9	15	✓
21.0000.23	Fixed	2,3	7	0,27	140	4,9	15	✓
21.0000.25	Fixed	2,5	7	0,27	140	4,9	15	
21.0150.02	Adjust.	0	7	0,27	160	5,64	15	✓
21.0150.18	Adjust.	1,8	7	0,27	162	5,71	15	✓
21.0150.21	Adjust.	2,1	7	0,27	162	5,71	15	✓
21.0150.23	Adjust.	2,3	7	0,27	162	5,71	15	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp M
Outlet		3/8 Bsp M

CHEMICAL INJECTOR 3/8 BST-P MM-H.BARB SW.

P/N	Type	Nozzle	Hose barb		Weight		
		mm	mm	in	gr	oz	
21.0080.21	(A) Fixed	2,1	7	0,27	155	5,47	15
21.0130.21	(B) Adjust.	2,1	7	0,27	160	5,64	12

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bspt M
Outlet		3/8 Bsp M



CHEMICAL INJECTOR 3/8NPT MM

P/N	Type	Nozzle	Hose barb		Weight			
		mm	mm	in	gr	oz		
21.0012.18	Fixed	1,8	7	0,27	140	4,9	15	✓
21.0012.21	Fixed	2,1	7	0,27	142	5,01	15	✓
21.0012.23	Fixed	2,3	7	0,27	140	4,9	15	✓
21.0154.15	Adjust.	1,5	7	0,27	164	5,78	15	
21.0154.18	Adjust.	1,8	7	0,27	164	5,78	15	✓
21.0154.21	Adjust.	2,1	7	0,27	164	5,78	15	✓
21.0154.23	Adjust.	2,3	7	0,27	164	5,78	15	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Npt M
Outlet		3/8 Npt M

CHEMICAL INJECTOR 3/8NPT MM EPDM O-RING

P/N	Type	Nozzle	Hose barb		Weight		
		mm	mm	in	gr	oz	
21.0145.18	Adjust.	1,8	7	0,27	164	5,78	15
21.0145.21	Adjust.	2,1	7	0,27	164	5,78	15
21.0145.23	Adjust.	2,3	7	0,27	164	5,78	15

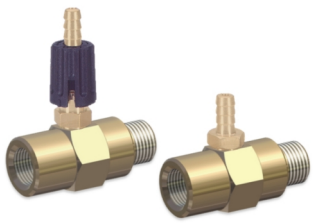
Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Npt M
Outlet		3/8 Npt M

Epdm O-rings

CHEMICAL INJECTOR 3/8 BSP FM

P/N	Type	Nozzle	Hose barb		Weight			
		mm	mm	in	gr	oz		
21.0015.12	Fixed	1,2	7	0,27	170	6	15	✓
21.0015.18	Fixed	1,8	7	0,27	170	6	15	✓
21.0015.21	Fixed	2,1	7	0,27	170	6	15	✓
21.0015.23	Fixed	2,3	7	0,27	170	6	15	✓
21.0170.15	Adjust.	1,5	7	0,27	193	6,81	15	
21.0170.18	Adjust.	1,8	7	0,27	192	6,77	15	✓
21.0170.21	Adjust.	2,1	7	0,27	192	6,77	15	✓
21.0170.23	Adjust.	2,3	7	0,27	192	6,77	15	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp F
Outlet		3/8 Bsp M



CHEMICAL INJECTOR 3/8 BSP MF

P/N	Type	Nozzle	Hose barb		Weight			
		mm	mm	in	gr	oz		
21.0020.18	Fixed	1,8	7	0,27	152	5,36	15	✓
21.0020.21	Fixed	2,1	7	0,27	152	5,36	15	✓
21.0020.23	Fixed	2,3	7	0,27	152	5,36	15	
21.0175.18	Adjust.	1,8	7	0,27	175	6,17	15	
21.0175.21	Adjust.	2,1	7	0,27	175	6,17	15	✓
21.0175.23	Adjust.	2,3	7	0,27	174	6,14	15	✓
21.0175.25	Adjust.	2,5	7	0,27	174	6,14	15	
21.0175.27	Adjust.	2,7	7	0,27	174	6,14	15	

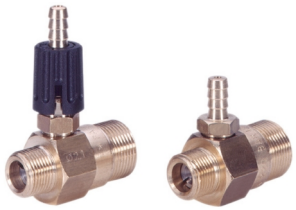
Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp M
Outlet		3/8 Bsp F

CHEMICAL INJECTOR 3/8 BSP M × M22 M

P/N	Type	Nozzle	Hose barb		Weight			
		mm	mm	in	gr	oz		
21.0030.18	Fixed	1,8	7	0,27	137	4,83	15	✓
21.0030.21	Fixed	2,1	7	0,27	137	4,83	15	✓
21.0030.23	Fixed	2,3	7	0,27	137	4,83	15	
21.0180.18	Adjust.	1,8	7	0,27	160	5,64	15	✓
21.0180.21	Adjust.	2,1	7	0,27	160	5,64	15	✓
21.0180.23	Adjust.	2,3	7	0,27	160	5,64	15	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp M
Outlet		AR1 A M22

Inlet 3/8 Bsp M - outlet M 21 M version available on request



CHEMICAL INJECTOR M22 × 1,5 FM

P/N	Type	Nozzle	Hose barb		Weight			
		mm	mm	in	gr	oz		
21.0035.18	Fixed	1,8	7	0,27	220	7,76	10	✓
21.0035.21	Fixed	2,1	7	0,27	250	8,8	10	
21.0185.18	Adjust.	1,8	7	0,27	243	8,57	10	✓
21.0185.21	Adjust.	2,1	7	0,27	243	8,57	10	
21.0185.23	Adjust.	2,3	7	0,27	243	8,57	10	

Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		AR1 B M22
Outlet		AR1 A M22

SST EXTENDED CHEMICAL INJECTOR 3/8 BSP MM

P/N	Nozzle	Hose barb		Weight			
	mm	mm	in	gr	oz		
21.0500.12	1,2	7	0,27	282	9,95	1	
21.0500.14	1,4	7	0,27	282	9,95	1	
21.0500.18	1,8	7	0,27	282	9,95	1	
21.0500.21	2,1	7	0,27	282	9,95	1	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4100 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		3/8 Bsp M
Outlet		3/8 Bsp M
Material		Stainless steel 303
Type		Adjust.

Injector with high suction power

SST CHEMICAL INJECTOR 3/8 BSP MM - TEFLON O-RING

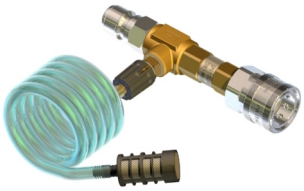
P/N	Couplings	Type	Nozzle	Weight			
			mm	gr	oz		
21.0018.12	3/8 Bsp MM	Fixed	1,2	125	4,41	10	✓
21.0018.15	3/8 Bsp MM	Fixed	1,5	125	4,41	10	✓
21.0018.21	3/8 Bsp MM	Fixed	2,1	124	4,37	10	✓
21.0018.68	3/8 Npt MM	Fixed	1,8	125	4,41	10	✓
21.0018.71	3/8 Npt MM	Fixed	2,1	124	4,37	10	
21.0119.15	3/8 Bsp MM	Adjust.	1,5	146	5,15	10	
21.0119.18	3/8 Bsp MM	Adjust.	1,8	146	5,15	10	
21.0119.21	3/8 Bsp MM	Adjust.	2,1	146	5,15	10	✓
21.0120.18	3/8 Npt MM	Adjust.	1,8	146	5,15	10	
21.0120.21	3/8 Npt MM	Adjust.	2,1	146	5,15	10	✓
21.0120.23	3/8 Npt MM	Adjust.	2,3	146	5,15	10	

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Hose barb	7 mm	0,27 in
Material		Stainless steel
Inlet		3/8 Bsp M
Outlet		3/8 Bsp M

Teflon O-rings

EXTENDED CHEMICAL INJECTOR+ARS220 A+B

P/N	Material	Nozzle	Col.	Hose length		Weight		
		mm		m	yd	gr	oz	
21.0622.14	Brass	1,4	Red	1,5	1,64	642	22,83	1
21.0622.18	Brass	1,8	Blue	1,5	1,64	642	22,83	1
21.0520.18	Stainless steel 303	1,8	Black	1,5	1,64	606	21,37	1



Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	90 °C	195 °F
Inlet		ARS 220 "A"
Outlet		ARS 220 "B"
Type		Adjust.

Injector with high suction power

LS3-2 - FOAMER WITH TANK

P/N	Inlet	Nozzle	Nozzle type	Weight			
		mm		gr	oz		
25.1520.12	1/4 Bsp F	1,25	Horizontal	470	16,58	6	✓
25.1520.14	1/4 Bsp F	1,40	Horizontal	468	16,51	6	✓
25.1526.62	1/4 Bsp F	1,25	Vertical	470	16,6	6	✓

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	12 l/min	3,2 USGpm
Rated Temperature	60 °C	140 °F
Tank	1 L	0,264 USg

LS 3 - FOAMER - SUCTION THROUGH EXTERNAL INJECTOR

P/N	Inlet	Nozzle	Weight		
		mm	gr	oz	
25.1530.18	1/4 F-3/8 MM Bsp	1,8	584	20,6	5

Rated Pressure	160 bar - 16 MPa	2300 psi
Permissible Pressure	180 bar - 18 MPa	2600 psi
Rated Flow	20 l/min	5,3 USGpm
Rated Temperature	60 °C	140 °F

LS 12 - FOAMER

P/N	Mat.	Inlet	Nozzle	Weight			
			mm	gr	oz		
25.1800.65	Brass	1/4 Bsp F	1,5	390	13,76	5	✓
25.1815.65	St. steel	1/4 Bsp F	1,5	370	13	5	

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	60 °C	140 °F

LS 12 - FOAMER WITH TANK

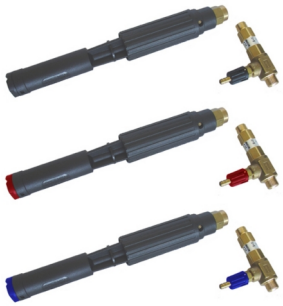
P/N	Inlet	Nozzle	Tank		Mat.	Weight			
		mm	L	USg		gr	oz		
25.1840.65	1/4 Bsp F	1,5	1	0,26	Brass	497	17,53	5	✓
25.1840.68	1/4 Bsp F	1,8	1	0,26	Brass	497	17,53	5	
25.1840.71	1/4 Bsp F	2,1	1	0,26	Brass	494	17,42	5	✓
25.1842.65	1/4 Bsp F	1,5	2	0,52	Brass	540	19,05	5	✓
25.1843.65	1/4 Bsp F	1,5	2	0,52	St. steel	522	18,41	5	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	60 °C	140 °F

LS12 ASP.E - FOAMER - SUCTION THROUGH EXTERNAL INJECTOR

P/N	Max. flow rate		Col.	Weight			
	l/min	USGpm		gr	oz		
25.1845.18	10	2,6	Black	618	21,8	5	✓
25.1845.21	15	4	Red	617	21,76	5	✓
25.1845.25	25	6,5	Blue	617	21,76	5	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Temperature	60 °C	140 °F
Inlet		1/4 F-3/8 MM Bsp



LS 10 - FOAMER

P/N	Inlet	Nozzle	Weight			
		mm	gr	oz		
25.1860.50	1/4 Bsp F	1,5	367	12,94	5	✓
25.1860.65	3/8 Bsp M	1,5	366	12,91	5	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	65 °C	150 °F

LS 10 - FOAMER WITH TANK

P/N	Inlet	Nozzle	Tank		Weight			
		mm	L	USg	gr	oz		
25.1865.65	3/8 Bsp M	1,5	1	0,26	468	16,5	5	✓
25.1868.65	3/8 Bsp M	1,5	2	0,52	508	17,9	5	✓

Rated Pressure	200 bar - 20 MPa	2900 psi
Permissible Pressure	220 bar - 22 MPa	3200 psi
Rated Flow	25 l/min	6,5 USGpm
Rated Temperature	65 °C	150 °F

BTZ - SINGLE ROTATING CEILING BOOM

P/N	Type	Length		Inlet	Weight		
		mm	in.		gr	oz	
28.3500.00	Straight	1500	59	1/4 Bsp F	7400	261	2
28.3530.00	Straight	1650	65	1/4 Bsp F	7800	275,11	2

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Angle of rotation		360°
Material		Zinc plated steel

BTD /I -S - SINGLE ROTATING CEILING BOOM

P/N	Type	Length		Inlet	Weight		
		mm	in.		gr	oz	
28.3320.00	Inclined	1815	71,45	1/4 Bsp F	8000	282,17	2
28.3370.00	Straight	1815	71,45	1/4 Bsp F	8000	282,17	2

Entirely built in Stainless steel, with 2 maintenance-free, double-sealed ball bearings, which allow an easy, 360° rotation. EPDM seals ensure chemical compatibility of the boom with detergents which can damage the standard Viton seals.

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Angle of rotation		360°
Outlet		3/8 Bsp M
Material		Stainless steel
Seals material		Epdm

Entirely built in Stainless steel, with 2 maintenance-free, double-sealed ball bearings, which allow an easy, 360° rotation. EPDM seals ensure chemical compatibility of the boom with detergents which can damage the standard Viton seals.

BTE - SINGLE ROTATING CEILING BOOM

P/N	Type	Length		Inlet	Weight			
		mm	in.		gr	oz		
28.3300.00	Inclined	1980	77,95	1/4 Bsp F	8980	317	2	✓
28.3350.00	Straight	1980	77,95	1/4 Bsp F	9000	317,43	1	

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Angle of rotation		360°
Material		Stainless steel

BTI - SINGLE ROTATING CEILING BOOM - INCLINED

P/N	Length		Inlet	Weight		
	mm	in.		gr	oz	
28.3150.00	1820	71,7	1/4 Bsp F	12200	430,3	2

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Angle of rotation		360°
Material		Stainless steel

BTC - BENT ROTATING CEILING BOOM

P/N	Length		Inlet	Weight		
	mm	in.		gr	oz	
28.3080.00	1550	61,1	1/4 Bsp F	11000	388	2

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Angle of rotation		360°
Material		Stainless steel

BTR - SINGLE ROTATING CEILING BOOM - 2 SPRINGS

P/N	Length		Inlet	Weight		
	mm	in.		gr	oz	
28.3000.00	1750	68,9	1/4 Bsp F	11400	402,09	1
28.3020.00	2000	78,75	1/4 Bsp F	11800	416,2	1
28.3025.00	2500	98,42	1/4 Bsp F	13000	458,52	1

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Angle of rotation		360°
Material		Stainless steel

BTD - DOUBLE CEILING ROTATING BOOM

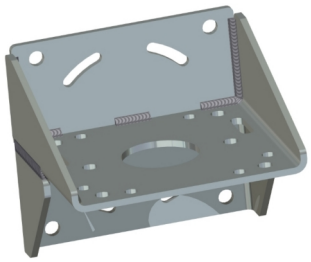
P/N	Length		Weight		
	mm	in.	gr	oz	
28.3100.00	1750 - 1600	68,9 - 63	20600	726,58	1
28.3100.20	2000 - 1750	78,7 - 68,9	21600	761,85	1
28.3100.25	2500 - 2000	100 - 78,7	23200	818,28	1

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	90 °C	195 °F
Inlet		1/4 Bsp F
Angle of rotation		360°
Material		Stainless steel

WALL MOUNT FRAME

P/N	Height		Width		Weight			
	mm	in	mm	in	gr	oz		
28.3045.21R	190	7,48	217	8,54	5000	176,4	1	✓

Angle of rotation	180°
Material	Zinc plated steel



SLP- PLAS.LANCE HOLDER

P/N	Material	Col.	Weight			
			gr	oz		
28.3230.00	PE	Blue	1276	45	2	✓
28.3230.30	PE	Gray	1276	45	2	✓

SLI - STAINLESS STEEL LANCE HOLDER

P/N	Hose Ø		Weight			
	mm	in	gr	oz		
28.3200.00	73	2,87	2424	85,5	1	✓

Material: Stainless steel

VP - PE BRUSH TANK

P/N	Material	Col.	Weight			
			gr	oz		
28.3270.00	PE	Blue	3400	120	1	✓
28.3270.30	PE	Gray	3361	118,55	1	✓

Length	424 mm	16,7 in.
Width	197 mm	7,76 in
Height	585 mm	23,03 in

URF 180 - ROTATING HEAD

P/N	Inlet	Outlet	Weight gr	Weight oz		
25.1130.00	1/4 Npt M	2 × 1/8 Bsp F	170	6	5	✓

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	0-80 °C	32-175 °F

URF 400 - ROTATING HEAD

P/N	Inlet	Outlet	Weight gr	Weight oz		
25.1170.00	1/2 Bsp F	2 × 1/4 Bsp F	440	15,52	1	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	80 l/min	21 USGpm
Rated Temperature	0-80 °C	32-175 °F

GR 38 - ROTATING TANK CLEANER

P/N	Inlet	Outlet	Weight gr	Weight oz		
26.1400.00	3/8 Bsp M	2 x M12 F	637	22,47	1	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	120 °C	250 °F
Max. working temperature	0-90 °C	32-195 °F

GR38/200-400 - ROTATING HEAD

P/N	Width mm	Width in	Inlet	Outlet	Weight gr	Weight oz		
26.1420.00	210	8,26	3/8 Bsp M	2 × 1/8 Npt F	759	26,77	1	✓
26.1440.00	400	15,75	3/8 Bsp M	2 × 1/8 Npt F	852	30,05	1	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	120 °C	250 °F
Max. working temperature	0-90 °C	32-195 °F

GR58/400 - ROTATING HEAD

P/N	Width mm	Width in	Inlet	Outlet	Weight gr	Weight oz	
26.1460.00	400	15,75	1/2 Bsp F	2 × 1/8 Npt F	1580	55,7	1

Rated Pressure	500 bar - 50 MPa	7250 psi
Permissible Pressure	560 bar - 56 MPa	8100 psi
Rated Flow	40 l/min	10,5 USGpm
Rated Temperature	120 °C	250 °F
Max. working temperature	0-90 °C	32-195 °F

M21E - ELECTRIC-DRIVEN BARREL CLEANER

P/N	Length		Power supply	Weight			
	mm	in.		gr	oz		
25.4300.00	550	21,7	230V 50Hz AC	3378	119,15	1	✓
25.4300.62	550	21,7	110V 60Hz AC Jap.	3200	111	1	
12.5073.00	0	0	115V Usa+230V Aust.	30	1	1	

Inlet		AR1 A M22
Rated Pressure	220 bar - 22 MPa	3200 psi
Permissible Pressure	250 bar - 25 MPa	3650 psi
Rated Flow	21 l/min	5,5 USGpm
Rated Temperature	0-90 °C	32-195 °F
Electric motor		12 V DC - 8 W
Cable length	10.000 mm	394 in
Min.overall Ø	40 mm	1,57 in
Nozzle type		2 × M4

Standard M4 nozzles supplied: 02-025-03-035-04

M25E - ELECTRIC-DRIVEN BARREL CLEANER + FLUID SUCTION

P/N	Barrel Ø		Power supply	Weight			
	mm	in		gr	oz		
25.4350.00	730	28,7	230V 50Hz AC	5570	196,46	1	✓
25.4350.25	730	28,7	24V AC	5100	180	1	
25.4363.00	680	26,7	220V AC	5405	190,64	1	
Shortened flexible version for reduced space							
25.4363.25	680	26,7	24V AC	5730	202,1	1	
Shortened flexible version for reduced space							
12.5073.00	0	0	115V Usa+230V Aust.	30	1	1	

Inlet		AR1 A M22
Rated Pressure	140 bar - 14 MPa	2000 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	10-25 l/min	2,6-6,5 USGpm
Rated Temperature	0-90 °C	32-195 °F
Electric motor		12 V DC - 8 W
Cable length	10.000 mm	394 in
Min.overall Ø	40 mm	1,57 in
Nozzle type		2 × M4

Standard M4 nozzles supplied: 02-025-03-035-04

M28E - ELECTRIC-DRIVEN BARREL CLEANER + FLUID SUCTION

P/N	Barrel Ø		Power supply	Weight		
	mm	in		gr	oz	
25.4380.00	640	25,2	220V AC	5955	210,04	1
Shortened flexible version for reduced space						
12.5073.00	0	0	115V Usa+230V Aust.	30	1	1
Shortened flexible version for reduced space						

Inlet		AR1 A M22
Rated Pressure	140 bar - 14 MPa	2000 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	10-25 l/min	2,6-6,5 USGpm
Rated Temperature	0-90 °C	32-195 °F
Electric motor		12 V DC - 8 W
Cable length	10.000 mm	394 in
Min.overall Ø	40 mm	1,57 in
Nozzle type		2 × M4

Standard M4 nozzles supplied: 02-025-03-035-04

HOLDER FOR M28E L-SHAPED BARREL CLEANER

P/N	Hole size		Length		Weight		
	mm	in	mm	in.	gr	oz	
25.4385.00	62,8	2,47	150	5,9	282	10	1

CABLE EXTENSION - 20 M - 12 V DC - MF

P/N	Couplings	Weight		
		gr	oz	
25.4353.20R	M - F	1147	40,5	1

Cable length	20.000 mm	786 in

Suitable for M21 and M25

M63E - M63P - SELF-PROPELLED TANK CLEANER HEAD- Ø45 MM -

P/N	Type	Certification	Length		Weight		
			mm	in.	gr	oz	
25.4500.04	Electr.- CE	CE	915	36	5075	179	1
25.4520.04	Air-driven	-	915	36	4698	165,7	1
25.4526.04	Air-driven	-	650	25,6	4248	149,83	1

Inlet		3/8 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	15-50 l/min	4-13,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Max. Voltage		24V AC
Min.overall Ø	45 mm	1,8 in
Nozzle type		4 × M4

M63E - M63P - SELF-PROPELLED TANK CLEANER - Ø50 MM -

P/N	Type	Certification	Length		Weight		
			mm	in.	gr	oz	
25.4500.00	Electr.- CE	CE	915	36	5086	179,39	1
25.4506.00	Electr.- CE	CE	650	25,6	4626	164,5	1
25.4520.00	Air-driven	-	915	36	4766	168,1	1
25.4526.00	Air-driven	-	650	25,6	3940	138,9	1

Inlet		3/8 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	15 - 50 l/min	4 - 13,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Max. Voltage		24V AC
Min.overall Ø	65 mm	2,5 in
Nozzle type		4 × 1/8 Npt

MI85 - M85E - M85P - SELF-PROPELLED TANK CLEANER -

P/N	Type	Certification	Inlet	Length		Weight		
				mm	in.	gr	oz	
25.4750.20	Hydr.-driven		3/4 Bsp F	915	36	7200	254	1
25.4770.00	Electr.- CE	CE	3/8 Bsp F	915	36	5452	192,3	1
25.4720.00	Air-driven	-	3/8 Bsp F	915	36	5062	178,54	1

Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20-80 l/min	5,3-21 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		4 × 1/4 Npt
Max. Voltage		24V AC
Min.overall Ø	86 mm	3,4 in
Rotational Speed		10-16 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

MI63 - HYDRAULIC-DRIVEN TANK CLEANER - Ø45 MM

P/N	Length		Max. flow rate		Weight		
	mm	in.	l/min	USGpm	gr	oz	
25.4600.24	915	36	15-21	4-5,5	7176	253,1	1

Inlet		3/4 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	15-50 l/min	4-13,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Min.overall Ø	45 mm	1,8 in
Nozzle type		4 × M4
Rotational Speed		10-16 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

MI63 - HYDRAULIC-DRIVEN TANK CLEANER - Ø50 MM

P/N	Length		Max. flow rate		Weight		
	mm	in.	l/min	USGpm	gr	oz	
25.4600.20	915	36	15-21	4-5,5	7049	248,62	1
25.4603.20	363	14,3	15-21	4-5,5	6153	217,02	1
25.4600.30	915	36	25-30	6,6-8	7219	254,62	1
25.4600.40	915	36	30-40	8-10	7219	254,62	1
25.4600.50	915	36	40-50	10,6-13,2	7235	255,18	1

Inlet		3/4 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	15-50 l/min	4-13,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Min.overall Ø	65 mm	2,5 in
Nozzle type		4 × 1/8 Npt
Rotational Speed		10-16 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

MI63A - HYDRAULIC-DRIVEN TANK CLEANER - ATEX 2460

P/N	Min.overall Ø		Length		Nozzle type	Max. flow rate		Weight		
	mm	in	mm	in.		l/min	USGpm	gr	oz	
25.4902.25	65	2,5	915	36	4 × 1/8 Npt	20-25	5,3-6,6	7268	256,35	1
25.4902.29	45	1,8	915	36	4 × M4	20-25	5,3-6,6	7268	256,35	1

Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	15-50 l/min	4-13,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Rotational Speed		10-16 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

A50R - SELF-PROPELLED TANK CLEANER NEW

P/N	Max. flow rate		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.4100.50	40-50	10,6-13,2	165	6,4	6040	213	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Rated Flow	20-50 l/min	5,3-13 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Nozzle type		3 × 1/8 Npt
Rotational Speed		10-16 giri/min
Max. RPM		20 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

A50R-360° - SELF-PROPELLED TANK CLEANER NEW

P/N	Max. flow rate		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.4200.50	40-50	10,6-13,2	165	6,4	7640	269	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Rated Flow	20-50 l/min	5,3-13 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Nozzle type		4 × 1/8 Npt
Rotational Speed		10-16 giri/min
Max. RPM		20 giri/min

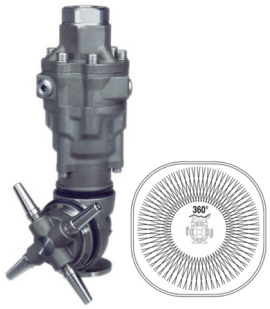
Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

A80R - SELF-PROPELLED TANK CLEANER

P/N	Max. flow rate		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.4820.00	-	-	165	6,4	5892	207,81	1
25.4820.20	15-21	4-5,5	165	6,4	6034	212,82	1
25.4820.25	20-25	5,3-6,6	165	6,4	6048	213,32	1
25.4820.30	25-30	6,6-8	165	6,4	6074	214,24	1
25.4820.40	30-40	8-10,6	165	6,4	6136	216,42	1
25.4820.50	40-50	10,6-13,2	165	6,4	6120	215,86	1
25.4820.60	50-60	13,2-16	165	6,4	6096	215,01	1
25.4820.70	60-70	16-18,5	165	6,4	6100	215,15	1
25.4820.80	70-85	18,5-22,5	165	6,4	5900	208,1	1
25.4820.90	85-120	22,5-31,7	165	6,4	6825	240,72	1

Inlet		3/4 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20-120 l/min	5,3-32 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Nozzle type		4 × 1/4 Npt
Rotational Speed		10-16 giri/min
Max. RPM		20 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

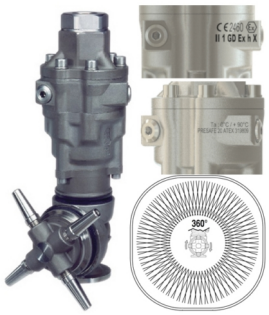


A80RA - SELF-PROPELLED TANK CLEANER - ATEX 2460

P/N	Max. flow rate		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.4872.50	40-50	10,6-13,2	165	6,4	5992	211,34	1
25.4872.60	50-60	13,2-16	165	6,4	5976	210,78	1
25.4872.80	70-85	18,5-22,5	165	6,4	5975	210,74	1

Inlet		3/4 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20-120 l/min	5,3-32 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Nozzle type		4 × 1/4 Npt
Rotational Speed		10-16 giri/min
Max. RPM		20 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

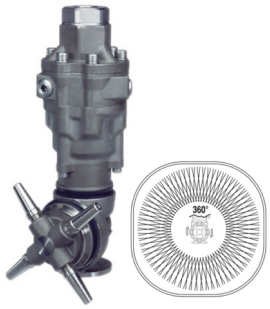


A80LU - SELF-PROPELLED TANK CLEANER - HF HNO3

P/N	Max. flow rate		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.4860.00	-	-	165	6,4	5300	184	1
25.4860.50	60-70	16-18,5	165	6,4	6000	211,6	1
25.4860.80	100-120	26,4-31,7	165	6,4	6000	211,6	1

Inlet		3/4 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	30-100 l/min	8-26,5 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Nozzle type		4 × 1/4 Npt
Rotational Speed		10-20 giri/min

Suitable for use with chemicals containing nitric acid (HNO3) and hydrofluoric acid (HF)
Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

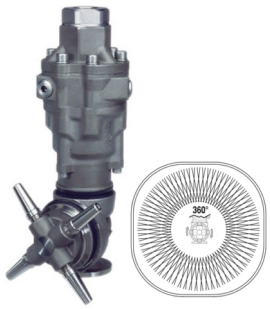


A80R2 - SELF-PROPELLED TANK CLEANER

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.4850.00	-	-	165	6,4	5300	184	1
25.4850.50	40-50	10,6-13,2	165	6,4	5900	208,1	1
25.4850.70	60-70	16-18,5	165	6,4	6674	235,4	1

Inlet		3/4 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20-80 l/min	5,3-21 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Nozzle type		4 × 1/4 Npt
Max. RPM		150 giri/min
Rotational Speed		60-120 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.



A80FR2 - SELF-PROPELLED TANK CLEANER - FRONT AND SIDE CLEANING

P/N	Max. flow rate		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.4840.00	-	-	800	32	5004	176,5	1
25.4840.25	20-25	5,3-6,6	800	32	5053	178,22	1
25.4840.40	30-40	8-10,6	800	32	4500	158,7	1
25.4840.50	40-50	10,6-13,2	800	32	5096	179,74	1

Inlet		3/4 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20-80 l/min	5,3-21 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Nozzle type		2 × 1/4 Npt
Max. RPM		150 giri/min

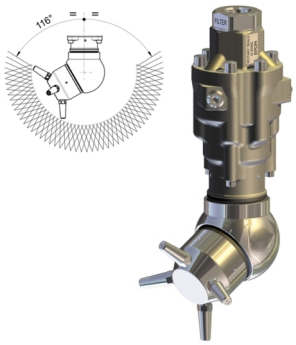
Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

A80RF- SELF-PROPELLED TANK CLEANER -

P/N	Max. flow rate		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.4890.00	-	-	150,7	5,94	7600	268	1
25.4890.90	85-120	22,5-31,7	150,7	5,94	7600	268	1

Inlet		3/4 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20-120 l/min	5,3-32 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Nozzle type		4 × 1/4 Npt
Rotational Speed		10-16 giri/min
Max. RPM		20 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.



A300R - SELF-PROPELLED TANK CLEANER

P/N	Rated Flow		Nozzle type	Min.overall Ø		Weight		
	l/min	USGpm		mm	in	gr	oz	
25.6000.10	100	26,45	4 × 1/4 Npt	183	7,19	10200	360	1
25.6000.15	130	34,36	4 × 1/4 Npt	183	7,19	10200	360	1
25.6000.17	150	38,86	4 × 1/4 Npt	183	7,19	10200	360	1
25.6000.20	180	46,63	4 × 1/4 Npt	183	7,19	10200	360	1
25.6000.24	220	57	4 × 1/4 Npt	183	7,19	10200	360	1
25.6000.30	300	79,3	4 × 1/4 Npt	183	7,19	10200	360	1

Inlet		1" 1/4 Bsp F
Rated Pressure	70 bar - 7 MPa	1015 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Rated Flow	100-300 l/min	26,4-79,3 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Rotational Speed		4-5 giri/min
Max. RPM		6 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

PROTECTION FOR A80 R WITH EXTENDED NOZZLES

P/N	Mat.	Weight			
		gr	oz		
25.4822.00R	St. steel	642	22,6	1	✓

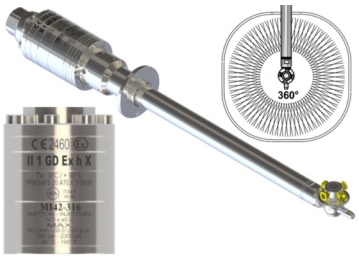
Fixing screws and nuts included

MI42-316- HYDRAULIC-DRIVEN TANK CLEANER - Ø62,5 MM - -APPROVED- NSF-FDA CONFORM-- ATEX 2460

P/N	Rated Flow Rate		Length		Weight		
	l/min	USGpm	mm	in.	gr	oz	
25.3650.40	35-45	9,2-12	650	25,6	5950	210	1
25.3650.50	45-55	12-14,5	650	25,6	5950	210	1

Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20 - 65 l/min	5,3 - 17,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Rotational Speed		18-24 giri/min
Inlet		1/2 Bsp F
Nozzle type		4 × 1/8 Npt
Min.overall Ø	62,5 mm	2,46 in
Material		Stainless steel Ai316

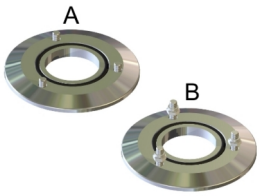
Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.
Made completely of Stainless steel Aisi316 L. Suitable for utilization in the food Industry since materials used for manufacturing have NSF approval.



SST 316 TC3 FLANGE- TRI-CLAMP 3"+SCREWS+O-RING

P/N	Hole size		Fitting	Type	Weight		
	mm	in			gr	oz	
25.3601.24	37	1,45	M 63 - M 85	A	239	8,43	1
25.3602.42R	37	1,45	MI 42	B	239	8,43	1

Material	Stainless steel Ai316



KIT TLR M4 AI316 -TANK CLEANER M 4 HEAD - Ø40,5MM - X MI42-316-MI63

P/N	Inlet	Nozzle type	Weight		
			gr	oz	
25.3610.24	M25x1 M	2 × M4	3752	132,34	1

Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	15 - 35 l/min	4 - 9,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Rotational Speed		18-24 giri/min
Min.overall Ø	40,5 mm	1,6 in
Material		Stainless steel Ai316

Nozzles not included. Cod. nozzles 80.0882.60>80.0889.60
To choose the right part no., please fill in the selection questionnaire.
Made completely of Stainless steel Aisi316 L. Suitable for utilization in the food Industry since materials used for manufacturing have NSF approval.

A42R-316 - SELF-PROPELLED TANK CLEANER - APPROVED -NSF FDA CONFORM-- ATEX 2460

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5600.20	15-25	4-6,5	86	3,39	3590	126,6	1
25.5600.30	25-35	6,5-9,2	86	3,39	3590	126,6	1
25.5600.40	35-45	9,2-12	86	3,39	3590	126,6	1
25.5600.50	45-55	12-14,5	86	3,39	3590	126,6	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20 - 55 l/min	5,3 - 14,5 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		3 × 1/8 Npt
Rotational Speed		18 - 24 giri/min
Material		Stainless steel Ai316

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.
Made completely of Stainless steel Aisi316 L. Suitable for utilization in the food Industry since materials used for manufacturing have NSF approval.

A42R-316 -360° SELF-PROPELLED TANK CLEANER - -NSF FDA CONFORM-- ATEX 2460

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5700.20	20-30	5-8	108	4,25	5600	197,5	1
25.5700.40	35-45	9,2-12	108	4,25	5600	197,5	1
25.5700.50	45-55	12-14,5	108	4,25	5600	197,5	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20 - 55 l/min	5,3 - 14,5 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		4 × 1/8 Npt
Rotational Speed		18 - 24 giri/min
Material		Stainless steel Ai316

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.
Made completely of Stainless steel Aisi316 L. Suitable for utilization in the food Industry since materials used for manufacturing have NSF approval.

A30 R - SELF-PROPELLED TANK CLEANER

P/N	Max. flow rate		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.3300.12	9 - 12	2,3 - 3,1	60	2,36	2030	71,61	1
25.3300.15	11 - 15	2,85 - 3,9	60	2,36	2030	71,61	1
25.3300.18	14 - 18	3,6 - 4,6	60	2,36	2030	71,61	1
25.3300.25	18 - 25	4,6 - 6,5	60	2,36	2030	71,61	1
25.3300.33	25 - 33	6,5 - 8,6	60	2,36	2030	71,61	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	30 bar - 3 MPa	435 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	9-33 l/min	2,4-8,7 USGpm
Rated Temperature	0-90 °C	32-195 °F
Material		Stainless steel 303
Seals material		FKM (Viton)°
Nozzle type		4 × M4
Rotational Speed		20-30 giri/min
Max. RPM		30 giri/min

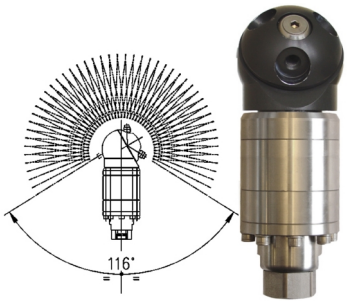
Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

A42 R - SELF-PROPELLED TANK CLEANER

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5180.20	20	5,3	86	3,39	3752	132,34	1
25.5180.30	20-30	5,3-8	86	3,39	3648	128,66	1
25.5180.40	30-40	8-10,5	86	3,39	3648	128,67	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20 - 50 l/min	5-13,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		3 × 1/8 Npt
Rotational Speed		29 - 36 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.



A42 R-360° - SELF-PROPELLED TANK CLEANER

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5360.15	13-17	3,4-4,5	108	4,25	3752	132,34	1
25.5360.20	20	5.2	108	4,25	3752	132,34	1
25.5360.25	25	6.6	108	4,25	3752	132,34	1
25.5360.30	30	8	108	4,25	3752	132,34	1
25.5360.35	35	9,2	108	4,25	3752	132,34	1
25.5360.40	40	10,6	108	4,25	3752	132,34	1
25.5360.50	50	13	108	4,25	3752	132,34	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	13 - 50 l/min	3,4-13,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		4 × 1/8 Npt
Rotational Speed		18 - 24 giri/min

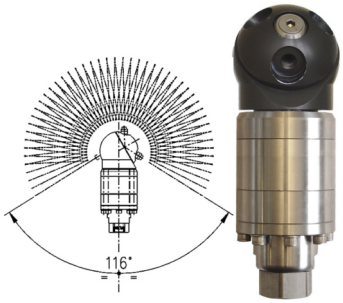
Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

A42 R2 - SELF-PROPELLED TANK CLEANER

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5200.20	20	5,2	86	3,39	3436	121,19	1
25.5200.24	20-25	5,3-6,5	86	3,39	3337	117,7	1
25.5200.28	25-30	6.5-8	86	3,39	3434	121,12	1
25.5200.34	30-40	8-10,5	86	3,39	3405	120,1	1
25.5200.33	40-50	10,5-13,2	86	3,39	3434	121,12	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20 - 50 l/min	5 - 13,2 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		3 × 1/8 Npt
Rotational Speed		110-180 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

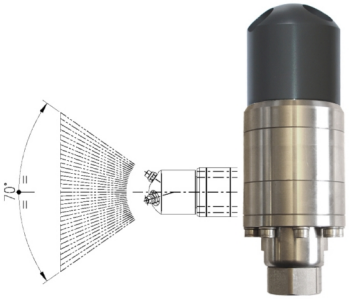


A42 FR 2- SELF-PROP. FRONT CLEANER - 3 NOZZLES - SAME ANGLE

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5150.20	20	5,3	72	2,8	3246	114,49	1
25.5150.26	20-30	5,3-8	72	2,8	3151	111,14	1
25.5150.40	30-40	8-10,5	72	2,8	3148	111,03	1
25.5150.33	50-60	13,2-16	72	2,8	3218	113,5	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20 - 60 l/min	5 - 16 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		3 × 1/4 Npt
Rotational Speed		180 - 260 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

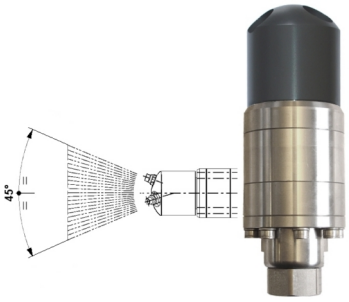


A42 FR 2-45°- SELF-PROP. FRONT CLEANER - 3 NOZZLES 45°

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5194.26	20-30	5,3-8	72	2,8	3162	111,53	1
25.5194.35	30-35	8-9,2	72	2,8	3165	111,63	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20 - 60 l/min	5 - 16 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		3 × 1/4 Npt
Rotational Speed		180 - 260 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

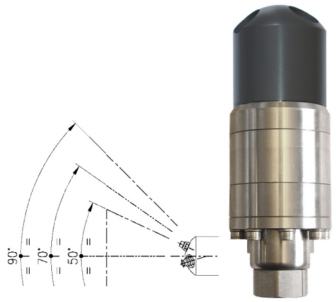


A43 FR 2- SELF-PROP.FRONT CLEANER - 3 NOZZLES - DIFFERENT SPRAY ANGLES

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5190.25	20-25	5-6,5	72	2,8	3244	114,42	1
25.5190.26	25-30	6,5-8	72	2,8	3155	111,28	1
25.5190.30	35-40	9-10,5	72	2,8	3152	111,17	1
25.5190.34	45-50	12-13,2	72	2,8	3150	111,1	1
25.5190.33	50-60	13,2-16	72	2,8	3144	110,89	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	20 - 60 l/min	5 - 16 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		3 × 1/4 Npt
Rotational Speed		180 - 260 giri/min

Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.

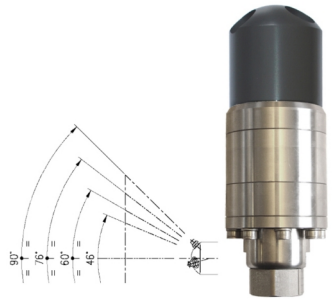


A44 FR 2- SELF-PROP.FRONT CLEANER - 4 NOZZLES - DIFFERENT SPRAY ANGLES

P/N	Rated Flow		Min.overall Ø		Weight		
	l/min	USGpm	mm	in	gr	oz	
25.5400.30	35	9	72	2,8	3070	108,3	1
25.5400.40	40	10,5	72	2,8	3070	108,3	1
25.5400.60	50-60	13,2-16	72	2,8	3157	111,35	1

Inlet		1/2 Bsp F
Rated Pressure	140 bar - 14 MPa	2000 psi
Min. operating pressure	40 bar - 4 MPa	580 psi
Permissible Pressure	160 bar - 16 MPa	2300 psi
Rated Flow	15 - 60 l/min	4 - 16 USGpm
Rated Temperature	0-90 °C	32-195 °F
Nozzle type		4 × 1/4 Npt
Rotational Speed		180 - 260 giri/min

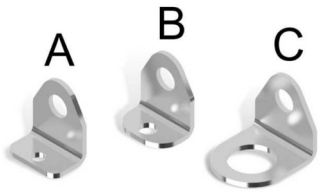
Nozzles not included.
To choose the right part no., please fill in the selection questionnaire.



HOOK ATTACHMENT FOR TANK CLEANERS

P/N	Hole size		Type	Version	Weight		
	mm	in			gr	oz	
25.3301.53R	11	0,433	A 30	C	15	0,53	2
25.4821.53R	11	0,433	A 80	B	15	0,53	2
25.5562.53R	11	0,433	A300 - A 42	A	15	0,53	2

Material	Stainless steel Ai 304



TEFLON GREASE FOR TANK CLEANERS

P/N	Type	Weight		
		gr	oz	
14.6550.00R	Teflon grease	0	0	2
14.6552.00R	Teflon silicon grease	0	0	2

LP1 - STAINLESS STEEL FLOOR CLEANER

P/N	Width		Inlet	Gun type	Weight			
	mm	in			gr	oz		
29.0600.00	410	16	A M22	-	4321	152,41	1	✓

Spray gun not included

Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	20 l/min	5,3 USGpm
Rated Temperature	160 °C	320 °F
Nozzle Size		06
Material		Stainless steel

Nozzles included

LPR8/2 - STAINLESS STEEL FLOOR CLEANER-ROTATING NOZZLES

P/N	Width		Inlet	Gun type	Weight			
	mm	in			gr	oz		
29.0700.10	450	17,72	3/8 Bsp F	RL 56	12200	430,3	1	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Rated Flow	30 l/min	8 USGpm
Rated Temperature	80 °C	175 °F
Material		Stainless steel
Nozzle type		1/8 Npt M

Nozzles not included

FL7 - FLOW SWITCH WITH PROBE

P/N	Standing posit.*		Level posit.*		Weight			
	l/min	USGpm	l/min	USGpm	gr	oz		
28.0400.10	9	2,4	6	1,6	436	15,38	20	✓
28.0400.38	4	1,06	3	0,79	441	15,55	20	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Max. flow rate on delivery	60 l/min	15.9 USGpm
Max flow rate on feed side	30 l/min	7.9 USGpm
Max. working temperature	75 °C	165 °F
Max. Voltage		230 V
Max.switch capacity		60 VA
Max. Curr. Strength		3 A
Electric cable		2x0,5 mmq.
Cable length	1250 mm	49,2 in
Electrical insulation		55 IP
Inlet		3/8 Bsp F
Outlet		3/8 Bsp F

* Minimum operating flow rate

FL7 MS- FLOW SWITCH WITH PROBE

P/N	Standing posit.*		Weight			
	l/min	USGpm	gr	oz		
28.0430.00	0,3	0,1	455	16,05	5	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Permissible Pressure	390 bar - 39 MPa	5650 psi
Max. flow rate on delivery	60 l/min	15.9 USGpm
Max flow rate on feed side	30 l/min	7.9 USGpm
Max. working temperature	75 °C	165 °F
Max. Voltage		230 V
Max.switch capacity		60 VA
Max. Curr. Strength		3 A
Electric cable		2x0,5 mmq.
Cable length	1250 mm	49,2 in
Electrical insulation		55 IP
Inlet		3/8 Bsp F
Outlet		3/8 Bsp F

* Minimum operating flow rate

FL7 INOX - FLOW SWITCH WITH PROBE-50 MPA

P/N	Standing posit.*		Level posit.*		Weight			
	l/min	USGpm	l/min	USGpm	gr	oz		
28.0450.00	9	2,4	6	1,6	430	15,17	5	✓

Rated Pressure	500 bar - 50 MPa	7300 psi
Permissible Pressure	560 bar - 56 MPa	8120 psi
Max flow rate on feed side	30 l/min	8 USGpm
Max. flow rate on delivery	60 l/min	16 USGpm
Max. working temperature	75 °C	165 °F
Max. Voltage		230 V
Max.switch capacity		60 VA
Max. Curr. Strength		3 A
Electric cable		2x0,5 mmq.
Cable length	1250 mm	49,2 in
Electrical insulation		55 IP
Inlet		3/8 Bsp F
Outlet		3/8 Bsp F
Material		Stainless steel 303

* Minimum operating flow rate

FL3 - FLOW SWITCH WITH PROBE CE

P/N	Shutter	Gauge bolt	Weight			
			gr	oz		
28.0500.10	Delrin	-	288	10,16	25	✓
28.0540.10	Brass	-	300	10,58	25	✓
Brass piston covering						
28.0530.10	Delrin	1x 1/4 Bsp F	308	10,86	25	✓
With 1/4 Bsp F gauge port						
28.0535.00	Brass	1x 1/4 Bsp F	318	11,22	25	✓
With 1/4 Bsp F gauge port						

Inlet		3/8 Bsp M
Outlet		3/8 Bsp M
Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Flow	30 l/min	8 USGpm
Level posit.*	3 l/min	0,8 USGpm
Standing posit.*	3 l/min	0,8 USGpm
Max. working temperature	75 °C	165 °F
Max. Voltage		230 V
Max. Curr. Strength		3 A
Max.switch capacity		60 VA
Electric cable		2x0,5 mmq.
Cable length	1250 mm	49,2 in
Electrical insulation		55 IP

*Minimum operating flow rate

FL 12 - FLOW SWITCH WITH PROBE CE

P/N	Standing posit.*		Level posit.*		Couplings	Weight		
	l/min	USGpm	l/min	USGpm		gr	oz	
28.0460.15	12,5	3,3	7,5	2	3/4 Bsp FF	975	34,4	4
28.0460.00	12,5	3,3	7,5	2	3/4 F Npt	975	34,4	4

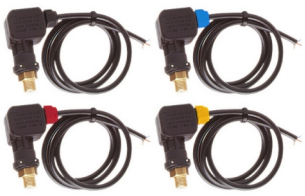
Rated Pressure	280 bar - 28 MPa	4000 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Max. flow rate on delivery	100 l/min	26,4 USGpm
Max flow rate on feed side	50 l/min	13,2 USGpm
Max. working temperature	75 °C	165 °F
Max. Voltage		230 V
Max.switch capacity		60 VA
Max. Curr. Strength		3 A
Electric cable		2x0,5 mmq.
Cable length	1250 mm	49,2 in
Electrical insulation		55 IP

* Minimum operating flow rate

PR5 - PRESSURE SWITCH CE

P/N	Inlet	Operat. press.		Col.	Weight			
		bar - MPa	psi		gr	oz		
29.0080.55	1/8 Bsp M	40 - 4	580	Black	136	4,8	50	✓
29.0080.18	1/8 Bsp M	25 - 2,5	360	Red	134	4,73	50	✓
29.0080.05	1/8 Bsp M	15 - 1,5	220	Blue	130	4,6	50	✓
29.0080.75	1/8 Bsp M	10 - 1	140	Yellow	138	4,87	50	
29.0080.50	1/4 Bsp M	40 - 4	580	Black	139	4,9	50	✓
29.0080.00	1/4 Bsp M	25 - 2,5	360	Red	137	4,83	50	✓
29.0080.10	1/4 Bsp M	15 - 1,5	220	Blue	137	4,83	50	✓
29.0080.80	3/8 Bsp M	40 - 4	580	Black	148	5,22	50	✓
29.0080.85	3/8 Bsp M	25 - 2,5	360	Red	145	5,11	50	✓
29.0080.88	3/8 Bsp M	15 - 1,5	220	Blue	146	5,15	50	

Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Temperature	75 °C	165 °F
Max. Voltage		250 V
Max. Curr. Strength		6 (2) A
Electrical insulation		55 IP
Material		Brass



PR16 - PRESSURE SWITCH WITH BRASS NIPPLE CE

P/N	Inlet	Operat. press.		Col.	Weight			
		bar - MPa	psi		gr	oz		
29.0040.20	1/4 Bsp M	40 - 4	580	Black	186	6,56	20	✓
29.0040.30	1/4 Bsp M	25 - 2,5	360	Red	186	6,56	20	✓
29.0040.40	1/4 Bsp M	15 - 1,5	220	Blue	189	6,67	20	✓
29.0040.00	3/8 Bsp M	40 - 4	580	Black	197	6,95	20	✓
29.0040.15	3/8 Bsp M	25 - 2,5	360	Red	195	6,88	20	✓
29.0040.11	3/8 Bsp M	15 - 1,5	220	Blue	196	6,91	20	

Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Temperature	75 °C	165 °F
Max. Voltage		250 V
Max. Curr. Strength		16 (6) A
Electrical insulation		55 IP
Material		Brass

PR16 - PRESSURE SWITCH WITH SST NIPPLE CE

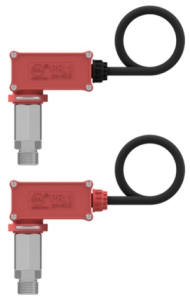
P/N	Inlet	Operat. press.		Col.	Weight			
		bar - MPa	psi		gr	oz		
29.0035.30	1/4 Bsp M	40 - 4	580	Black	186	6,56	20	✓
29.0035.25	1/4 Bsp M	25 - 2,5	360	Red	184	6,49	20	✓
29.0035.10	3/8 Bsp M	40 - 4	580	Black	192	6,77	20	✓
29.0035.15	3/8 Bsp M	25 - 2,5	360	Red	194	6,84	20	✓
29.0035.50	1/4 Npt M	40 - 4	580	Black	186	6,56	20	✓
29.0035.52	1/4 Npt M	25 - 2,5	360	Red	189	6,67	20	✓
29.0035.51	1/4 Npt M	15 - 1,5	220	Blue	188	6,63	20	✓
29.0035.62	3/8 Npt M	25 - 2,5	360	Red	195	6,88	20	✓

Permissible Pressure	350 bar - 35 MPa	5000 psi
Rated Temperature	75 °C	165 °F
Max. Voltage		250 V
Max. Curr. Strength		16 (6) A
Electrical insulation		55 IP
Material		Stainless steel

PR1 - 600 BAR STAINLESS STEEL PRESSURE SWITCH NEW CE

P/N	Mat.	Operat. press.		Col.	Weight			
		bar - MPa	psi		gr	oz		
29.0010.00	St. steel	45 - 4,5	650	Black	216	7,7	20	✓
29.0010.25	St. steel	25 - 2,5	360	Red	216	7,7	20	✓

Inlet		3/8 Bsp M
Rated Pressure	600 bar - 60 MPa	8700 psi
Permissible Pressure	660 bar - 66 MPa	9570 psi
Rated Temperature	90 °C	195 °F
Max. Voltage		250 V
Max. Curr. Strength		16 (6) A
Electrical insulation		55 IP



THERMOSTAT WITH EXTERNAL PROBE CE

P/N	Length of coil		Probe		Weight			
	mm	in	mm	in	gr	oz		
12.5050.00	900	35,4	7 x 95	0,28 x 3,74	116	4,09	10	✓

Rated Temperature	120 °C	250 °F
Max. Voltage		240 V
Max. Curr. Strength		16 (6) A

THERMOSTAT WITH INTERNAL PROBE CE

P/N	Length of coil		Probe		Weight			
	mm	in	mm	in	gr	oz		
12.5060.00	1500	59	7x95	0,28 x 3,74	146	5,15	10	✓

Couplings		M 14 × 1 M
Rated Pressure	200 bar - 20 MPa	2880 psi
Rated Temperature	120 °C	250 °F
Max. Voltage		250 V
Max. Curr. Strength		16(4) A

PROBE CASE

P/N	Couplings	Hole size		Type	Weight			
		mm	in		gr	oz		
29.0250.00	1/2 Bspt M	7 x 90	0,27x 3,5	A	78	2,75	10	✓
Suitable for 12.5050.00								
29.0254.31R	1/2 Bspt M	M 14 x 1		B	47	1,66	10	✓
Suitable for 12.5060.00								

Material	Brass

PS1 PROBE POCKET

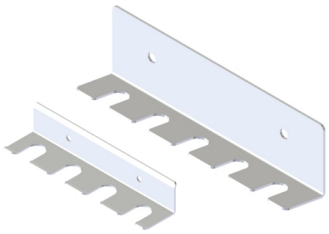
P/N	Couplings	Weight			
		gr	oz		
29.0260.35R	3x3/8 Bsp F+1/2Bsp F	284	10,02	10	✓

Rated Pressure	280 bar - 28 MPa	4050 psi
Permissible Pressure	310 bar - 31 MPa	4500 psi
Rated Temperature	160 °C	320 °F
Material		Brass

STAINLESS STEEL LANCE HOLDER

P/N	No. of Ports	Hole size		Weight			
		mm	in	gr	oz		
28.0790.53R	5	16	0,63	378	13,33	5	✓
28.0794.53R	4	16	0,63	102	3,6	5	

Material: Stainless steel Ai 304



PLASTIC HIGH PRESSURE HOSE REEL -SST/BRASS

P/N	Type	Hose length		Mat.	Weight			
		m	yd		gr	oz		
29.0710.00	T 16	10	11	Brass	2800	98,8	1	✓
29.0720.00	T 26	20	22	Brass	3418	120,56	1	✓
29.0727.00	T 27	20	22	St. steel	3480	122,74	1	✓
29.0740.00	T 46	40	43,6	Brass	3826	134,95	1	✓
29.0747.00	T 47	40	43,6	St. steel	3866	136,36	1	✓

Inlet		3/8 Bsp M
Hose Ø	20 mm	3/8 in
Rated Pressure	250 bar - 25 MPa	3650 psi
Permissible Pressure	280 bar - 28 MPa	4050 psi
Rated Temperature	90 °C	195 °F

Hose not supplied
Mat. Brass : Brass swivels and painted steel rest
Mat. Sst : Sst swivel and rest

HIGH PRESSURE ALUMINIUM HOSE REEL

P/N	Type	Rated pr.		Inlet	Hose length		Hose Ø		Weight			
		bar - MPa	psi		m	yd	mm	in	gr	oz		
29.0360.00	T 52	300 - 30	4350	3/8 Bsp M	80	87,5	16,8	0,66	13000	458,52	1	✓
29.0375.00	T 53	200 - 20	2900	1/2 Bsp M	58	63,4	19,5	0,77	13000	458,52	1	✓
29.0390.00	T 100	200 - 20	2900	1/2 Bsp M	100	109	19,5	0,77	16400	578,44	1	

Rated Temperature	90 °C	195 °F

Hose not supplied

BRASS ELBOW FITTINGS

P/N	Inlet	Outlet	Weight			
			gr	oz		
12.2000.00R	1/4 Bsp M	1/4 Bsp M	64	2,2	25	✓
12.2004.00R	1/4 Bsp M	1/4 Bsp F	76	2,68	25	✓
12.2002.00R	1/4 Bsp F	1/4 Bsp F	90	3,17	25	✓
12.2006.00R	3/8 Bsp M	3/8 Bsp M	70	2,47	25	✓
12.2010.00R	3/8 Bsp M	3/8 Bsp F	92	3,24	25	✓
12.2012.00R	3/8 Bsp M	1/4 Bsp M	64	2,26	25	✓
12.2014.00R	3/8 Bsp M	1/4 Bsp F	79	2,79	25	✓
12.2008.00R	3/8 Bsp F	3/8 Bsp F	112	3,95	25	✓
12.2020.00R	1/2 Bsp M	1/2 Bsp M	94	3,32	25	✓
12.2022.00R	1/2 Bsp M	3/8 Bsp F	118	4,1	25	✓
12.2024.00R	1/2 Bsp M	3/8 Bsp M	82	2,89	25	✓
12.2026.00R	1/2 Bsp M	1/4 Bsp M	75	2,65	25	✓

Rated Pressure	350 bar - 35 MPa	5100 psi
Material		Brass

BRASS TII-FITTINGS

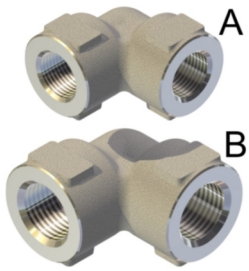
P/N	Couplings	Weight			
		gr	oz		
12.2050.00R	3/8 FF+F Bsp	161	5,68	25	✓
12.2050.10R	3/8 FF+F+1/8F Bsp	157	5,54	25	✓
12.2053.00R	3/8 MF+1/4 F Bsp	132	4,66	25	✓
12.2054.00R	3/8 MF+ F Bsp	138	4,87	25	✓
12.2055.00R	3/8 FF+M Bsp	139	4,9	25	✓
12.2058.00R	3/8 F-1/4 F+3/8 M Bsp	130	4,6	25	✓

Rated Pressure 350 bar - 35 MPa 5100 psi
Material Brass

SST ELBOW FITTINGS AI303 -60MPA

P/N	Inlet	Outlet	Type	Weight			
				gr	oz		
12.3000.55R	3/8 Bsp F	3/8 Bsp F	A	144	5,08	5	✓
12.3001.55R	1/2 Bsp F	1/2 Bsp F	B	237	8,36	5	✓

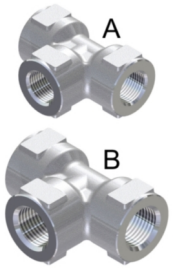
Rated Pressure 600 bar - 60 MPa 8760 psi
Material Stainless steel 303



SST TII-FITTINGS TII -AI303 - 60MPA

P/N	Couplings	Type	Weight			
			gr	oz		
12.3050.55R	3/8 FF+F Bsp	A	208	7,34	5	✓
12.3051.55R	1/2 Bsp FF+F	B	334	11,78	5	✓

Rated Pressure 600 bar - 60 MPa 8760 psi
Material Stainless steel 303



ZINC PLATED COUPLINGS AND HOSE BARB FITTINGS

P/N	Inlet	Outlet	Weight			
			gr	oz		
13.5006.00R	1/4 Bsp M	1/4 Bsp M	26	0,92	25	✓
40.5002.61R	1/4 Bsp M	1/4 Bsp F	41	1,4	10	
13.5011.00R	1/4 Bsp M	3/8 Bsp M	42	1,4	25	✓
13.5007.00R	1/4 Bsp F	1/4 Bsp F	24	0,8	25	✓
13.5025.00R	3/8 Bsp M	3/8 Bsp M	42	1,48	25	✓
13.5030.00R	3/8 Bsp M	1/2 Bsp M	72	2,54	25	✓
13.5031.00R	1/2 Bsp M	1/2 Bsp M	72	2,5	25	✓
13.5008.08R	3/8 Bsp M	8mm hose barb	42	1,48	25	
40.0006.61R	1/4 Npt M	1/4 Bsp F	41	1,4	10	

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Zinc plated steel

BRASS COUPLINGS AND HOSE BARB FITTINGS

P/N	Inlet	Outlet	Weight gr	Weight oz		
40.5008.31R	1/4 Bspt M	1/4 Bsp F	44	1,5	10	
26.0036.31R	1/4 Bsp F	3/8 Bsp M	44	1,5	10	✓
26.0037.31R	1/4 Bsp F	3/8 Bsp F	44	1,5	10	✓
13.5027.31R	3/8 Bsp F	1/4 Bsp M	44	1,5	25	✓
13.5024.31R	3/8 Bsp M	3/8 Bsp M	40	1,41	25	✓
29.0103.31R	1/8 Bsp M	8mm hose barb	20	0,7	10	

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Brass

STAINLESS STEEL COUPLINGS

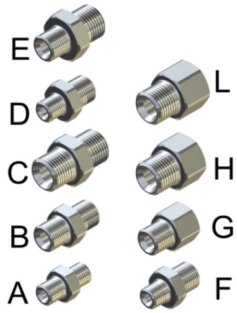
P/N	Inlet	Outlet	Weight gr	Weight oz		
40.5002.51R	1/4 Bsp F	1/4 Bsp M	41	1,4	10	
40.0007.51R	1/4 Bsp F	1/4 Npt F	23	0,8	10	✓
40.0251.51R	1/4 Bsp F	1/4 Bspt M	41	1,4	5	
40.0252.51R	1/4 Bsp F	1/4 Npt M	41	1,4	5	
13.5009.51R	1/4 Bsp M	1/4 Npt M	44	1,5	5	✓
26.0232.51R	1/4 Bsp F	3/8 Bsp F	41	1,4	5	
13.5025.51R	3/8 Bsp M	3/8 Bsp M	44	1,5	5	✓

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Stainless steel

STAINLESS STEEL COUPLINGS-60MPA

P/N	Inlet	Outlet	Type	Weight gr	Weight oz		
13.5050.51R	1/4 Bsp M	1/4 Bsp M	A	34	1,2	5	✓
13.5051.51R	3/8 Bsp M	3/8 Bsp M	B	52	1,83	5	✓
13.5052.51R	1/2 Bsp M	1/2 Bsp M	C	88	3,1	5	✓
13.5060.51R	1/4 Bsp M	3/8 Bsp M	D	44	1,55	5	✓
13.5061.51R	3/8 Bsp M	1/2 Bsp M	E	78	2,75	5	✓
13.5062.51R	3/8 Bsp M	1/4 Npt M	F	46	1,62	5	
13.5070.51R	1/4 Bsp F	3/8 Bsp M	G	55	1,94	5	✓
13.5071.51R	1/4 Bsp F	1/2 Bsp M	H	96	3,39	5	
13.5072.51R	3/8 Bsp F	1/2 Bsp M	L	94	3,32	5	

Rated Pressure 600 bar - 60 MPa 8760 psi
Material Stainless steel 303



BRASS PLUGS AND GRUB SCREWS

P/N	Couplings	Type	Weight gr	Weight oz		
28.0013.31R	1/4 Bsp	Hex.17	18	0,65	25	✓
60.0022.31R	1/4 Bsp	Grub screw	4	0,14	5	
60.0028.31R	3/8 Bsp	Hex.19	18	0,65	25	
60.0413.31R	1/2 Bsp	Hex.27	51	1,8	10	
60.0026.31R	1/4 Npt M	Grub screw	4	0,14	1	
60.0025.31R	3/8 Npt M	Grub screw	4	0,14	10	
60.0444.31R	1/2 Npt	Grub screw	24	0,9	10	
21.0199.31R	M 12 × 1 mm	Grub screw	4	0,14	5	

Rated Pressure 250 bar - 25 MPa 3650 psi
Material Brass

STAINLESS STEEL PLUGS AND GRUB SCREWS

P/N	Couplings	Type	Weight			
			gr	oz		
60.0413.51R	1/2 Bsp	Hex.27	56	2	3	
15.3711.18R	1/8 Npt M	Grub screw	9	0,3	4	
15.3721.14R	1/4 Npt M	Grub screw	18	0,6	10	
60.0444.51R	1/2 Npt	Grub screw	22	0,8	1	
60.0444.60R	1/2 Npt	Grub screw	22	0,8	3	
Ai 316						
60.0552.51R	M 24 × 1,5 M	Hex.27	88	3,1	5	

Rated Pressure	250 bar - 25 MPa	3650 psi
Material		Stainless steel

FILLER AND CAP FOR GAS OIL

P/N	Type	Hole size		Length		Material	Weight			
		mm	in	mm	in.		gr	oz		
29.0197.84R	Fillercap	39	1,54	-		PE	22	0,78	25	✓
29.0196.66R	Filler	39	1,54	70	2,76	Steel	76	2,68	25	✓
29.0198.66R	Filler	39	1,54	105	4,13	Steel	120	4,2	25	

PULSATION DAMPENER

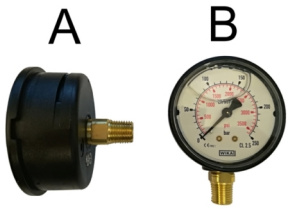
P/N	Volume		Pump flow rate		Inlet	Type	Weight			
	L	USg	l/min	USGpm			gr	oz		
29.0200.05R	0,1	0,026	15 - 21	4 - 5,5	3/8 Npt F	A	874	30,83	1	✓
29.0202.05R	0,35	0,093	30 - 41	7,9 - 10,8	1/2 Npt F	B	1768	62,36	1	✓

Rated Pressure	210 bar - 21 MPa	3050 psi
Charge press.	40 bar - 4 MPa	580 psi
Rated Temperature	80 °C	176 °F

PRESSURE GAUGE - ND 63 CE

P/N	Scale	Inlet	Type	Version	Weight			
	bar - MPa				gr	oz		
13.0025.16R	160 - 16	1/4 Bspt M	Radial	B	155	5,46	20	✓
13.0025.25R	250 - 25	1/4 Bspt M	Radial	B	148	5,22	20	✓
13.0025.31R	315 - 31,5	1/4 Bspt M	Radial	B	154	5,43	20	✓
13.0025.40R	400 - 40	1/4 Bspt M	Radial	B	148	5,22	20	✓
13.0035.16R	160 - 16	1/4 Bspt M	Back entry	A	168	5,93	20	✓
13.0035.25R	250 - 25	1/4 Bspt M	Back entry	A	170	6	20	✓
13.0035.31R	315 - 31,5	1/4 Bspt M	Back entry	A	168	5,93	20	✓
13.0035.40R	400 - 40	1/4 Bspt M	Back entry	A	168	5,93	20	

Case ABS

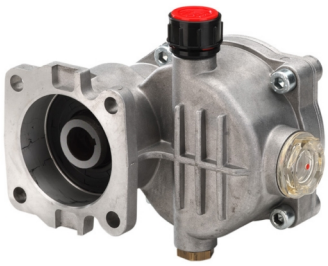


B5 - PUMPS' GEARBOX

P/N	Drive shaft Ø		Pump shaft Ø		Weight			
	mm	in	mm	in	gr	oz		
50.0600.00	19,05	3/4"	24	0,9449	2048	72,23	5	✓

Gear ratio		2,3 : 1
Engine power	4,8 kw	6,5 hp
Oil capacity	0,15 l	4,5 oz

Lubricating oil : Sae 90
Engine flange : Sae J609a
Pumps : AR-Bertolini-Comet-Interpump-Leuco-Hawk-Udor

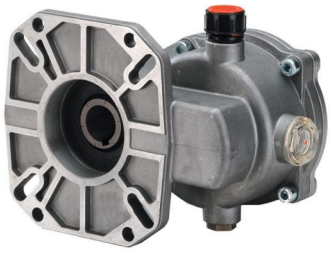


B18 - PUMPS' GEARBOX

P/N	Drive shaft Ø		Pump shaft Ø		Weight			
	mm	in	mm	in	gr	oz		
50.0000.00	25,4	1"	24	0,9449	3841	135,47	5	✓
50.0090.00	25,4	1"	24	0,9449	3841	135,47	5	✓
Pumps: IP EVO 2- Speck NP10-15-16								
50.0040.00	28,6	1" 1/8	24	0,9449	3765	132,79	5	
50.0000.25	25,0	0,984	24	0,9449	3809	134,35	5	✓
50.0015.00	25,4	1"	25	0,984	3902	137,63	5	
Pumps : Leuco LT-XLT								

Gear ratio		2,176 : 1
Engine power	8 - 13 kw	11 - 18 hp
Oil capacity	0,35 l	10 oz

Lubricating oil : Sae 90
Engine flange : Sae J609b
Pumps: AR-Bertolini-Comet-Interpump-Leuco-Hawk-Udor

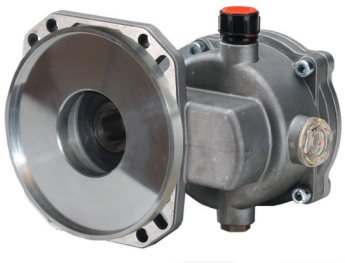


B18H - PUMPS' GEARBOX

P/N	Drive shaft Ø		Pump shaft Ø		Weight			
	mm	in	mm	in	gr	oz		
50.0050.00	25,4	1"	24	0,9449	4304	151,81	5	✓

Gear ratio		2,176 : 1
Engine power	8 - 13 kw	11 - 18 hp
Oil capacity	0,35 l	10 oz

Lubricating oil : Sae 90
Engine flange : Sae J609b
Pumps: AR-Bertolini-Comet-Interpump-Leuco-Hawk-Udor

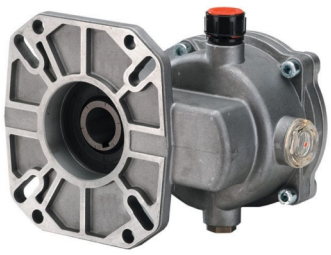


B24 - PUMPS' GEARBOX

P/N	Drive shaft Ø		Pump shaft Ø		Weight			
	mm	in	mm	in	gr	oz		
50.0060.00	28,6	1"1/8	24	0,9449	3768	132,9	5	✓
50.0062.00	25,4	1"	24	0,9449	3862	136,22	5	✓
50.0062.25	25,4	1"	28	1,10	3862	136,22	5	
50.0064.00	28,6	1"1/8	25	0,9842	3759	132,58	5	✓

Gear ratio		2,176 : 1
Engine power	13-17 kw	18-24 hp
Oil capacity	0,35 l	10 oz

Lubricating oil : Sae 90
Engine flange : Sae J609b
Pumps: AR-Bertolini-Comet-Interpump-Leuco-Hawk-Udor

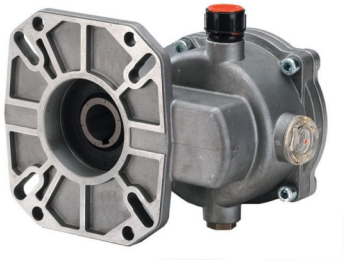


B31 - PUMPS' GEARBOX

P/N	Drive shaft Ø		Pump shaft Ø		Weight			
	mm	in	mm	in	gr	oz		
50.0071.00	28,6	1"1/8	24	0,9449	3804	134,17	5	✓
50.0071.30	28,6	1"1/8	30	1,181	3732	131,63	5	✓

Gear ratio		2,176 : 1
Engine power	17-23 kw	24-31 hp
Oil capacity	0,35 l	10 oz

Lubricating oil : Sae 90
Engine flange : Sae J609b
Pumps: AR-Bertolini-Comet-Interpump-Leuco-Hawk-Udor



★ Tutti gli ugelli PA sono forniti con tolleranze di ±5% sui dati riportati nella tabella

★ All PA nozzles are supplied with a ±5% tolerance on data reported in this table

TABELLA RIEPILOGATIVA PORTAUGELLI SPECIALI
SPECIAL NOZZLES CHART

Fatt. Port. / Capac. Size	Colore / Color	★ Portata (l/min) a 100 bar - 10 MPa / Flow rate (GPM) at 1450 PSI	HL250	HL280	VAN	VAN250	UR1		UR3		UR16	UR25	UR32	UR20		UR35		UR50	TS2	TS3	TS8	Portata (l/min) a 100 bar - 10 MPa / Flow rate (GPM) at 1450 PSI ★	Fatt. Port. / Capac. Size	Colore / Color
							Monot.	Biturbo	Monot.	Biturbo	GAS	GAS	GAS	GAS	NPT	GAS	NPT							
O2	Verde chiaro / *Light green*	4,6 / *1,2*	25.0700.10	25.0950.10										25.1720.20		25.1735.20					25.0000.10	4,6 / *1,2*	O2	Verde chiaro / *Light green*
O23	Giallo chiaro / *Light yellow*	5,0 / *1,3*		25.0950.11																		5,0 / *1,3*	*O23*	Giallo chiaro / *Light yellow*
O25	Rosa / *Pink*	5,7 / *1,5*	25.0700.11		25.0900.10	25.0850.11					25.1680.25									25.0080.11		5,7 / *1,5*	O25	Rosa / *Pink*
O27	Nero / *Black*	6,1 / *1,6*																				6,1 / *1,6*	*O27*	Nero / *Black*
O3	Bianco / *White*	6,8 / *1,8*	25.0700.12	25.0950.12	25.0900.11	25.0850.12	25.1100.11				25.1680.30	25.1620.30	25.1690.30	25.1720.30	25.1700.30	25.1735.30			25.0020.12	25.0080.12	25.0000.12	6,7 / *1,8*	O3	Bianco / *White*
O32	Viola scuro / *Dark purple*	7,1 / *1,9*	25.0700.25																			7,1 / *1,9*	*O32*	Viola scuro / *Dark purple*
O35	Marrone / *Brown*	8,0 / *2,1*	25.0700.13	25.0950.13	25.0900.12	25.0850.13	25.1100.12		25.1148.12		25.1680.35	25.1620.35	25.1690.35	25.1720.35	25.1700.35	25.1735.35	25.1935.35					8,0 / *2,1*	O35	Marrone / *Brown*
O37	Rosso chiaro / *Light red*	8,4 / *2,2*	25.0700.35																			8,4 / *2,2*	*O37*	Rosso chiaro / *Light red*
O4	Giallo scuro / *Dark yellow*	9,1 / *2,4*	25.0700.14	25.0950.14	25.0900.13	25.0850.14	25.1100.13				25.1680.40	25.1620.40	25.1690.40	25.1720.40	25.1700.40	25.1735.40		25.1750.40	25.0020.14 / *25.0020.54*	25.0080.14	25.0000.14	9,1 / *2,4*	O4	Giallo scuro / *Dark yellow*
O43	Grigio scuro / *Dark gray*	9,7 / *2,6*	25.0700.45																			9,7 / *2,6*	*O43*	Grigio scuro / *Dark gray*
O45	Blu / *Blue*	10,3 / *2,7*	25.0700.15	25.0950.15	25.0900.14	25.0850.15	25.1100.14		25.1148.14		25.1680.45	25.1620.45	25.1690.45	25.1720.45	25.1700.45	25.1735.45	25.1935.45	25.1750.45	25.0020.15	25.0080.15	25.0000.15	10,3 / *2,7*	O45	Blu / *Blue*
O5	Viola chiaro / *Light purple*	11,4 / *3,0*	25.0700.55				25.1100.15			25.1150.10	25.1680.50	25.1620.50	25.1690.50	25.1720.50		25.1735.50		25.1750.50	25.0020.16		25.0000.16	11,4 / *3,0*	O5	Viola chiaro / *Light purple*
O53	Beige / *Beige*	12,0 / *3,2*	25.0700.16	25.0950.16		25.0850.16																12,0 / *3,2*	*O53*	Beige / *Beige*
O55	Rosso scuro / *Dark red*	12,5 / *3,3*	25.0700.65	25.0950.55	25.0900.15				25.1148.16		25.1680.55	25.1620.55	25.1690.55	25.1720.55	25.1700.55	25.1735.55	25.1935.55	25.1750.55				12,6 / *3,3*	O55	Rosso scuro / *Dark red*
O6	Verde scuro / *Dark green*	13,7 / *3,6*	25.0700.66	25.0950.60	25.0900.16		25.1100.16		25.1148.17	25.1150.11	25.1680.60	26.1620.60	25.1690.60	25.1720.60		25.1735.60		25.1750.60				13,7 / *3,6*	O6	Verde scuro / *Dark green*
O65	Celeste / *Light blue*	14,8 / *3,9*	25.0700.72								25.1680.65	25.1620.65	25.1690.65	25.1720.65	25.1700.65	25.1735.65	25.1935.65	25.1750.65				14,8 / *3,9*	O65	Celeste / *Light blue*
O7	Arancio / *Orange*	16,0 / *4,2*	25.0700.18	25.0950.18						25.1150.12	25.1680.70	25.1620.70	25.1690.70	25.1720.70	25.1700.70			25.1750.70				16,0 / *4,2*	O7	Arancio / *Orange*
O75		17,1 / *4,5*																			25.0000.18	17,1 / *4,5*	O75	
O8	Argento / *Silver*	18,2 / *4,8*	25.0700.20		25.0900.18			25.1100.17		25.1150.13		25.1620.80	25.1690.80			25.1735.80						18,2 / *4,8*	O8	Argento / *Silver*
O85	Bianco-Rosa / *White-Rose*	19,4 / *5,1*																			25.0000.20	19,4 / *5,1*	O85	Bianco-Rosa / *White-Rose*
O9	Oro / *Gold*	21,0 / *5,5*		25.0950.22				25.1100.18		25.1150.14						25.1735.90	25.1935.90					21,0 / *5,5*	O9	Oro / *Gold*
10	Bianco-Blu / *White-Blue*	23,0 / *6,1*								25.1150.15						25.1735.10						23,0 / *6,1*	10	Bianco-Blu / *White-Blue*
12	Bianco-Giallo / *White-Yellow*	27,0 / *7,1*		25.0950.24						25.1150.17						25.1735.12						27,0 / *7,1*	12	Bianco-Giallo / *White-Yellow*
13	Bianco-Verde / *White-Green*	30,0 / *7,9*			25.0900.23																	30,0 / *7,9*	13	Bianco-Verde / *White-Green*
20	Bianco-Rosso / *White-Red*	46,0 / *12,2*			25.0900.28																	46,0 / *12,2*	20	Bianco-Rosso / *White-Red*

Fattore di Portata	Portata (l/min) alla Pressione (bar)																			Fattore di Portata
Capacity Size	*Flow rate (GPM) at Pressure (PSI)*																			*Capacity Size*
	bar	1	2	3	4	5	6	7	8	9	10	15	20	25	30	40	50	60	bar	
	MPa	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,5	2	2,5	3	4	5	6	MPa	
	PSI	*15*	*29*	*44*	*58*	*73*	*87*	*102*	*116*	*131*	*145*	*218*	*290*	*363*	*435*	*580*	*725*	*870*	*PSI*	
01		0,2	0,3	0,4	0,5	0,5	0,6	0,6	0,7	0,7	0,7	0,9	1,0	1,2	1,3	1,5	1,6	1,8		**01**
		0,1	*0,1*	*0,1*	*0,1*	*0,1*	*0,1*	*0,2*	*0,2*	*0,2*	*0,2*	*0,2*	*0,3*	*0,3*	*0,3*	*0,4*	*0,4*	*0,5*		
015		0,3	0,5	0,6	0,7	0,8	0,8	0,9	1,0	1,0	1,1	1,3	1,5	1,7	1,9	2,2	2,4	2,6		015
		0,1	*0,1*	*0,2*	*0,2*	*0,2*	*0,2*	*0,2*	*0,3*	*0,3*	*0,3*	*0,3*	*0,4*	*0,4*	*0,5*	*0,6*	*0,6*	*0,7*		
O2		0,5	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,5	1,8	2,1	2,3	2,5	2,9	3,3	3,6		**O2**
		0,1	*0,2*	*0,2*	*0,2*	*0,3*	*0,3*	*0,3*	*0,3*	*0,4*	*0,4*	*0,5*	*0,5*	*0,6*	*0,7*	*0,8*	*0,9*	*0,9*		
O23*		0,5	0,7	0,9	1,0	1,1	1,2	1,3	1,4	1,5	1,6	1,9	2,2	2,5	2,7	3,2	3,5	3,9		O23*
		0,1	*0,2*	*0,2*	*0,3*	*0,3*	*0,3*	*0,3*	*0,4*	*0,4*	*0,4*	*0,5*	*0,6*	*0,7*	*0,7*	*0,8*	*0,9*	*1,0*		
O25*		0,6	0,8	1,0	1,1	1,3	1,4	1,5	1,6	1,7	1,8	2,2	2,5	2,8	3,1	3,5	4,0	4,3		O25*
		0,1	*0,2*	*0,3*	*0,3*	*0,3*	*0,4*	*0,4*	*0,4*	*0,4*	*0,5*	*0,6*	*0,7*	*0,7*	*0,8*	*0,9*	*1,0*	*1,1*		
O27*		0,6	0,9	1,1	1,2	1,4	1,5	1,6	1,7	1,8	1,9	2,4	2,7	3,1	3,3	3,9	4,3	4,7		O27*
		0,2	*0,2*	*0,3*	*0,3*	*0,4*	*0,4*	*0,4*	*0,5*	*0,5*	*0,5*	*0,6*	*0,7*	*0,8*	*0,9*	*1,0*	*1,1*	*1,2*		
O3		0,7	1,0	1,2	1,4	1,5	1,7	1,8	1,9	2,0	2,2	2,6	3,0	3,4	3,7	4,3	4,8	5,3		**O3**
		0,2	*0,3*	*0,3*	*0,4*	*0,4*	*0,4*	*0,5*	*0,5*	*0,5*	*0,6*	*0,7*	*0,8*	*0,9*	*1,0*	*1,1*	*1,3*	*1,4*		
O32*		0,7	1,0	1,2	1,4	1,6	1,7	1,9	2,0	2,1	2,2	2,7	3,2	3,6	3,9	4,5	5,0	5,5		O32*
		0,2	*0,3*	*0,3*	*0,4*	*0,4*	*0,5*	*0,5*	*0,5*	*0,6*	*0,6*	*0,7*	*0,8*	*0,9*	*1,0*	*1,2*	*1,3*	*1,5*		
O35*		0,8	1,1	1,4	1,6	1,8	2,0	2,1	2,3	2,4	2,5	3,1	3,6	4,0	4,4	5,1	5,7	6,2		O35*
		0,2	*0,3*	*0,4*	*0,4*	*0,5*	*0,5*	*0,6*	*0,6*	*0,6*	*0,7*	*0,8*	*0,9*	*1,1*	*1,2*	*1,3*	*1,5*	*1,6*		
O37*		0,8	1,2	1,5	1,7	1,9	2,1	2,2	2,4	2,5	2,7	3,3	3,8	4,2	4,6	5,3	5,9	6,5		O37*
		0,2	*0,3*	*0,4*	*0,4*	*0,5*	*0,5*	*0,6*	*0,6*	*0,7*	*0,7*	*0,9*	*1,0*	*1,1*	*1,2*	*1,4*	*1,6*	*1,7*		
O4		0,9	1,3	1,6	1,8	2,0	2,2	2,4	2,6	2,7	2,9	3,5	4,1	4,6	5,0	5,8	6,4	7,0		**O4**
		0,2	*0,3*	*0,4*	*0,5*	*0,5*	*0,6*	*0,6*	*0,7*	*0,7*	*0,8*	*0,9*	*1,1*	*1,2*	*1,3*	*1,5*	*1,7*	*1,9*		
O43*		1,0	1,4	1,7	1,9	2,2	2,4	2,6	2,7	2,9	3,1	3,8	4,3	4,9	5,3	6,1	6,9	7,5		O43*
		0,3	*0,4*	*0,4*	*0,5*	*0,6*	*0,6*	*0,7*	*0,7*	*0,8*	*0,8*	*1,0*	*1,1*	*1,3*	*1,4*	*1,6*	*1,8*	*2,0*		
O45		1,0	1,5	1,8	2,1	2,3	2,5	2,7	2,9	3,1	3,3	4,0	4,6	5,2	5,6	6,5	7,3	8,0		**O45**
		0,3	*0,4*	*0,5*	*0,5*	*0,6*	*0,7*	*0,7*	*0,8*	*0,8*	*0,9*	*1,1*	*1,2*	*1,4*	*1,5*	*1,7*	*1,9*	*2,1*		
O5		1,1	1,6	2,0	2,3	2,5	2,8	3,0	3,2	3,4	3,6	4,4	5,1	5,7	6,2	7,2	8,1	8,8		**O5**
		0,3	*0,4*	*0,5*	*0,6*	*0,7*	*0,7*	*0,8*	*0,9*	*0,9*	*1,0*	*1,2*	*1,3*	*1,5*	*1,6*	*1,9*	*2,1*	*2,3*		
O53*		1,2	1,7	2,1	2,4	2,7	2,9	3,2	3,4	3,6	3,8	4,6	5,4	6,0	6,6	7,6	8,5	9,3		O53*
		0,3	*0,4*	*0,5*	*0,6*	*0,7*	*0,8*	*0,8*	*0,9*	*1,0*	*1,0*	*1,2*	*1,4*	*1,6*	*1,7*	*2,0*	*2,2*	*2,5*		
O55		1,3	1,8	2,2	2,5	2,8	3,1	3,3	3,5	3,8	4,0	4,8	5,6	6,3	6,8	7,9	8,8	9,7		**O55**
		0,3	*0,5*	*0,6*	*0,7*	*0,7*	*0,8*	*0,9*	*0,9*	*1,0*	*1,0*	*1,3*	*1,5*	*1,7*	*1,8*	*2,1*	*2,3*	*2,6*		
O6		1,4	1,9	2,4	2,7	3,1	3,4	3,6	3,9	4,1	4,3	5,3	6,1	6,9	7,5	8,7	9,7	10,6		**O6**
		0,4	*0,5*	*0,6*	*0,7*	*0,8*	*0,9*	*1,0*	*1,0*	*1,1*	*1,1*	*1,4*	*1,6*	*1,8*	*2,0*	*2,3*	*2,6*	*2,8*		
O65		1,5	2,1	2,6	3,0	3,3	3,6	3,9	4,2	4,4	4,7	5,7	6,6	7,4	8,1	9,4	10,5	11,5		**O65**
		0,4	*0,6*	*0,7*	*0,8*	*0,9*	*1,0*	*1,0*	*1,1*	*1,2*	*1,2*	*1,5*	*1,7*	*2,0*	*2,1*	*2,5*	*2,8*	*3,0*		
O7		1,6	2,3	2,8	3,2	3,6	3,9	4,2	4,5	4,8	5,1	6,2	7,2	8,0	8,8	10,1	11,3	12,4		**O7**
		0,4	*0,6*	*0,7*	*0,8*	*0,9*	*1,0*	*1,1*	*1,2*	*1,3*	*1,3*	*1,6*	*1,9*	*2,1*	*2,3*	*2,7*	*3,0*	*3,3*		
O75		1,7	2,4	3,0	3,4	3,8	4,2	4,5	4,8	5,1	5,4	6,6	7,6	8,6	9,4	10,8	12,1	13,2		**O75**
		0,5	*0,6*	*0,8*	*0,9*	*1,0*	*1,1*	*1,2*	*1,3*	*1,4*	*1,4*	*1,7*	*2,0*	*2,3*	*2,5*	*2,9*	*3,2*	*3,5*		
O8		1,8	2,6	3,2	3,6	4,1	4,5	4,8	5,1	5,5	5,8	7,0	8,1	9,1	10,0	11,5	12,9	14,1		**O8**
		0,5	*0,7*	*0,8*	*1,0*	*1,1*	*1,2*	*1,3*	*1,4*	*1,4*	*1,5*	*1,9*	*2,2*	*2,4*	*2,6*	*3,0*	*3,4*	*3,7*		
O85		1,9	2,7	3,4	3,9	4,3	4,8	5,1	5,5	5,8	6,1	7,5	8,7	9,7	10,6	12,3	13,7	15,0		**O85**
		0,5	*0,7*	*0,9*	*1,0*	*1,1*	*1,3*	*1,4*	*1,4*	*1,5*	*1,6*	*2,0*	*2,3*	*2,6*	*2,8*	*3,2*	*3,6*	*4,0*		
O9		2,1	3,0	3,6	4,2	4,7	5,1	5,6	5,9	6,3	6,6	8,1	9,4	10,5	11,5	13,3	14,8	16,3		**O9**
		0,6	*0,8*	*1,0*	*1,1*	*1,2*	*1,4*	*1,5*	*1,6*	*1,7*	*1,8*	*2,1*	*2,5*	*2,8*	*3,0*	*3,5*	*3,9*	*4,3*		
O95		2,2	3,1	3,8	4,4	4,9	5,4	5,8	6,2	6,6	7,0	8,5	9,8	11,0	12,0	13,9	15,6	17,0		**O95**
		0,6	*0,8*	*1,0*	*1,2*	*1,3*	*1,4*	*1,5*	*1,6*	*1,7*	*1,8*	*2,3*	*2,6*	*2,9*	*3,2*	*3,7*	*4,1*	*4,5*		
10		2,3	3,3	4,0	4,6	5,1	5,6	6,1	6,5	6,9	7,3	8,9	10,3	11,5	12,6	14,5	16,3	17,8		**10**
		0,6	*0,9*	*1,1*	*1,2*	*1,4*	*1,5*	*1,6*	*1,7*	*1,8*	*1,9*	*2,4*	*2,7*	*3,0*	*3,3*	*3,8*	*4,3*	*4,7*		
11		2,5	3,5	4,3	5,0	5,6	6,1	6,6	7,1	7,5	7,9	9,7	11,2	12,5	13,7	15,8	17,7	19,4		**11**
		0,7	*0,9*	*1,1*	*1,3*	*1,5*	*1,6*	*1,7*	*1,9*	*2,0*	*2,1*	*2,6*	*3,0*	*3,3*	*3,6*	*4,2*	*4,7*	*5,1*		
115		2,6	3,7	4,5	5,2	5,8	6,4	6,9	7,4	7,8	8,2	10,1	11,6	13,0	14,2	16,4	18,4	20,1		**115**
		0,7	*1,0*	*1,2*	*1,4*	*1,5*	*1,7*	*1,8*	*1,9*	*2,1*	*2,2*	*2,7*	*3,1*	*3,4*	*3,8*	*4,3*	*4,9*	*5,3*		
12		2,7	3,8	4,7	5,4	6,0	6,6	7,1	7,6	8,1	8,5	10,5	12,1	13,5	14,8	17,1	19,1	20,9		**12**
		0,7	*1,0*	*1,2*	*1,4*	*1,6*	*1,7*	*1,9*	*2,0*	*2,1*	*2,3*	*2,8*	*3,2*	*3,6*	*3,9*	*4,5*	*5,0*	*5,5*		
125		2,8	4,0	4,8	5,6	6,3	6,9	7,4	7,9	8,4	8,9	10,8	12,5	14,0	15,3	17,7	19,8	21,7		**125**
		0,7	*1,0*	*1,3*	*1,5*	*1,7*	*1,8*	*2,0*	*2,1*	*2,2*	*2,3*	*2,9*	*3,3*	*3,7*	*4,1*	*4,7*	*5,2*	*5,7*		
13		3,0	4,2	5,2	6,0	6,7	7,3	7,9	8,5	9,0	9,5	11,6	13,4	15,0	16,4	19,0	21,2	23,2		**13**
		0,8	*1,1*	*1,4*	*1,6*	*1,8*	*1,9*	*2,1*	*2,2*	*2,4*	*2,5*	*3,1*	*3,5*	*4,0*	*4,3*	*5,0*	*5,6*	*6,1*		
14		3,2	4,5	5,5	6,4	7,2	7,8	8,5	9,1	9,6	10,1	12,4	14,3	16,0	17,5	20,2	22,6	24,8		**14**
		0,8	*1,2*	*1,5*	*1,7*	*1,9*	*2,1*	*2,2*	*2,4*	*2,5*	*2,7*	*3,3*	*3,8*	*4,2*	*4,6*	*5,3*	*6,0*	*6,5*		
15		3,4	4,8	5,9	6,8	7,6	8,3	9,0	9,6	10,2	10,8	13,2	15,2	17,0	18,6	21,5	24,0	26,3		**15**
		0,9	*1,3*	*1,6*	*1,8*	*2,0*	*2,2*	*2,4*	*2,5*	*2,7*	*2,8*	*3,5*	*4,0*	*4,5*	*4,9*	*5,7*	*6,4*	*7,0*		
16		3,6	5,1	6,2	7,2	8,0	8,8	9,5	10,2	10,8	11,4	13,9	16,1	18,0	19,7	22,8	25,5	27,9		**16**
		1,0	*1,3*	*1,6*	*1,9*	*2,1*	*2,3*	*2,5*	*2,7*	*2,9*	*3,0*	*3,7*	*4,3*	*4,8*	*5,2*	*6,0*	*6,7*	*7,4*		
18		4,1	5,8	7,1	8,2	9,2	10,0	10,8	11,6	12,3	13,0	15,9	18,3	20,5	22,5	25,9	29,0	31,8		**18**
		1,1	*1,5*	*1,9*	*2,2*	*2,4*	*2,7*	*2,9*	*3,1*	*3,2*	*3,4*	*4,2*	*4,8*	*5,4*	*5,9*	*6,9*	*7,7*	*8,4*		
19		4,3	6,1	7,4	8,6	9,6	10,5	11,4	12,2	12,9	13,6	16,7	19,2	21,5	23,6	27,2	30,4	33,3		**19**
		1,1	*1,6*	*2,0*	*2,3*	*2,5*	*2,8*	*3,0*	*3,2*	*3,4*	*3,6*	*4,4*	*5,1*	*5,7*	*6,2*	*7,2*	*8,0*	*8,8*		
20		4,6	6,5	8,0	9,2	10,3	11,3	12,2	13,0	13,8	14,5	17,8	20,6	23,0	25,2	29,1	32,5	35,6		**20**
		1,2	*1,7*	*2,1*	*2,4*	*2,7*	*3,0*	*3,2*	*3,4*	*3,6*	*3,8*	*4,7*	*5,4*	*6,1*	*6,7*	*7,7*	*8,6*	*9,4*		
25		5,7	8,1	9,9	11,4	12,7	14,0	15,1	16,1	17,1	18,0	22,1	25,5	28,5	31,2	36,0	40,3	44,2		**25**
		1,5	*2,1*	*2,6*	*3,0*	*3,4*	*3,7*	*4,0*	*4,3*	*4,5*	*4,8*	*5,8*	*6,7*	*7,5*	*8,2*	*9,5*	*10,6*	*11,7*		
30		6,8	9,6	11,8	13,6	15,2	16,7	18,0	19,2	20,4	21,5	26,3	30,4	34,0	37,2	43,0	48,1	52,7		**30**
		1,8	*2,5*	*3,1*	*3,6*	*4,0*	*4,4*	*4,8*	*5,1*	*5,4*	*5,7*	*7,0*	*8,0*	*9,0*	*9,8*	*11,4*	*12,7*	*13,9*		
35		8,0	11,3	13,9	16,0	17,9	19,6	21,2	22,6	24,0	25,3	31,0	35,8	40,0	43,8	50,6	56,6	62,0		**35**
		2,1	*3,0*	*3,7*	*4,2*	*4,7*	*5,2*	*5,6*	*6,0*	*6,3*	*6,7*	*8,2*	*9,5*	*10,6*	*11,6*	*13,4*	*14,9*	*16,4*		
40		9,1	12,9	15,8	18,2	20,3	22,3	24,1	25,7	27,3	28,8	35,2	40,7	45,5	49,8	57,6	64,3	70,5		**40**
		2,4	*3,4*	*4,2*	*4,8*	*5,4*	*5,9*	*6,4*	*6,8*	*7,2*	*7,6*	*9,3*	*10,8*	*12,0*	*13,2*	*15,2*	*17,0*	*18,6*		
50		11,4	16,1	19,7	22,8	25,5	27,9	30,2	32,2	34,2	36,0	44,2	51,0	57,0	62,4	72,1	80,6	88,3		**50**
		3,0	*4,3*	*5,2*	*6,0*	*6,7*	*7,4*	*8,0*	*8,5*	*9,0*	*9,5*	*11,7*	*13,5*	*15,1*	*16,5*	*19,0*	*21,3*	*23,3*		
60		13,7	19,4	23,7	27,4	30,6	33,6	36,2	38,7	41,1	43,3	53,1	61,3	68,5	75,0	86,6	96,9	106,1		**60**
		3,6	*5,1*	*6,3*	*7,2*	*8,1*	*8,9*	*9,6*	*10,2*	*10,9*	*11,4*	*14,0*	*16,2*	*18,1*	*19,8*	*22,9*	*25,6*	*28,0*		
70		16,0	22,6	27,7	32,0	35,8	39,2	42,3	45,3	48,0	50,6	62,0	71,6	80,0	87,6	101,2	113,1	123,9		**70**
		4,2	*6,0*	*7,3*	*8,5*	*9,5*	*10,4*	*11,2*	*12,0*	*12,7*	*13,4*	*16,4*	*18,9*	*21,1*	*23,2*	*26,7*	*29,9*	*32,7*		
80		18,2	25,7	31,5	36,4	40,7	44,6	48,2	51,5	54,6	57,6	70,5	81,4	91,0	99,7	115,1	128,7	141,0		**80**
		4,8	*6,8*	*8,3*	*9,6*	*10,8*	*11,8*	*12,7*	*13,6*	*14,4*	*15,2*	*18,6*	*21,5*	*24,0*	*26,3*	*30,4*	*34,0*	*37,2*		
90		20,5	29,0	35,5	41,0	45,8	50,2	54,2	58,0	61,5	64,8	79,4	91,7	102,5	112,3	129,7	145,0	158,8		**90**
		5,4	*7,7*	*9,4*	*10,8*	*12,1*	*13,3*	*14,3*	*15,3*	*16,2*	*17,1*	*21,0*	*24,2*	*27,1*	*29,7*	*34,3*	*38,3*	*42,0*		
	bar	1	2	3	4	5	6	7	8	9	10	15	20	25	30	40	50	60	bar	
	MPa	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,5	2	2,5	3	4	5	6	MPa	
	PSI	*15*	*29*	*44*	*58*	*73*	*87*	*102*	*116*	*131*	*145*	*218*	*290*	*363*	*435*	*580*	*725*	*870*	*PSI*	
Fattore di Portata	Portata (l/min) alla Pressione (bar)																			Fattore di Portata
Capacity Size	*Flow rate (GPM) at Pressure (PSI)*																			*Capacity Size*

*** F.P. UGELLI SPECIALI**

Tutti gli ugelli PA sono forniti con tolleranze di ±5% sui dati riportati nella tabella
All PA nozzles are supplied with a ±5% tolerance on data reported in this table

*** F.P. UGELLI SPECIALI**

Tutti gli ugelli PA sono forniti con tolleranze di ±5% sui dati riportati nella tabella
All PA nozzles are supplied with a ±5% tolerance on data reported in this table

Fattore di Portata	Portata (l/min) alla Pressione (bar)																			Fattore di Portata
Capacity Size	*Flow rate (GPM) at Pressure (PSI)*																			*Capacity Size*
	bar	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	bar	
	MPa	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MPa	
	PSI	*1015*	*1160*	*1305*	*1450*	*1595*	*1740*	*1885*	*2030*	*2175*	*2320*	*2465*	*2610*	*2755*	*2900*	*3045*	*3190*	*3335*	*PSI*	
01		1,9	2,1	2,2	2,3	2,4	2,5	2,6	2,7	2,8	2,9	3,0	3,1	3,2	3,3	3,3	3,4	3,5		**01**
		0,5	*0,5*	*0,6*	*0,6*	*0,6*	*0,7*	*0,7*	*0,7*	*0,7*	*0,8*	*0,8*	*0,8*	*0,8*	*0,9*	*0,9*	*0,9*	*0,9*		
015		2,8	3,0	3,2	3,4	3,6	3,7	3,9	4,0	4,2	4,3	4,4	4,6	4,7	4,8	4,9	5,0	5,2		015
		0,8	*0,8*	*0,9*	*0,9*	*0,9*	*1,0*	*1,0*	*1,1*	*1,1*	*1,1*	*1,2*	*1,2*	*1,2*	*1,3*	*1,3*	*1,3*	*1,4*		
O2		3,8	4,1	4,4	4,6	4,8	5,0	5,2	5,4	5,6	5,8	6,0	6,2	6,3	6,5	6,7	6,8	7,0		**O2**
		1,0	*1,1*	*1,2*	*1,2*	*1,3*	*1,3*	*1,4*	*1,4*	*1,5*	*1,5*	*1,6*	*1,6*	*1,7*	*1,7*	*1,8*	*1,8*	*1,8*		
O23*		4,2	4,5	4,7	5,0	5,2	5,5	5,7	5,9	6,1	6,3	6,5	6,7	6,9	7,1	7,2	7,4	7,6		O23*
		1,1	*1,2*	*1,3*	*1,3*	*1,4*	*1,4*	*1,5*	*1,6*	*1,6*	*1,7*	*1,7*	*1,8*	*1,8*	*1,9*	*1,9*	*2,0*	*2,0*		
O25*		4,7	5,0	5,3	5,6	5,9	6,1	6,4	6,6	6,9	7,1	7,3	7,5	7,7	7,9	8,1	8,3	8,5		O25*
		1,2	*1,3*	*1,4*	*1,5*	*1,6*	*1,6*	*1,7*	*1,8*	*1,8*	*1,9*	*1,9*	*2,0*	*2,0*	*2,1*	*2,1*	*2,2*	*2,2*		
O27*		5,1	5,5	5,8	6,1	6,4	6,7	7,0	7,2	7,5	7,7	8,0	8,2	8,4	8,6	8,8	9,0	9,3		O27*
		1,3	*1,4*	*1,5*	*1,6*	*1,7*	*1,8*	*1,8*	*1,9*	*2,0*	*2,0*	*2,1*	*2,2*	*2,2*	*2,3*	*2,3*	*2,4*	*2,4*		
O3		5,7	6,1	6,5	6,8	7,1	7,4	7,8	8,0	8,3	8,6	8,9	9,1	9,4	9,6	9,9	10,1	10,3		**O3**
		1,5	*1,6*	*1,7*	*1,8*	*1,9*	*2,0*	*2,0*	*2,1*	*2,2*	*2,3*	*2,3*	*2,4*	*2,5*	*2,5*	*2,6*	*2,7*	*2,7*		
O32*		5,9	6,4	6,7	7,1	7,4	7,8	8,1	8,4	8,7	9,0	9,3	9,5	9,8	10,0	10,3	10,5	10,8		O32*
		1,6	*1,7*	*1,8*	*1,9*	*2,0*	*2,1*	*2,1*	*2,2*	*2,3*	*2,4*	*2,4*	*2,5*	*2,6*	*2,7*	*2,7*	*2,8*	*2,8*		
O35*		6,7	7,2	7,6	8,0	8,4	8,8	9,1	9,5	9,8	10,1	10,4	10,7	11,0	11,3	11,6	11,9	12,1		O35*
		1,8	*1,9*	*2,0*	*2,1*	*2,2*	*2,3*	*2,4*	*2,5*	*2,6*	*2,7*	*2,8*	*2,8*	*2,9*	*3,0*	*3,1*	*3,1*	*3,2*		
O37*		7,0	7,5	8,0	8,4	8,8	9,2	9,6	9,9	10,3	10,6	11,0	11,3	11,6	11,9	12,2	12,5	12,7		O37*
		1,9	*2,0*	*2,1*	*2,2*	*2,3*	*2,4*	*2,5*	*2,6*	*2,7*	*2,8*	*2,9*	*3,0*	*3,1*	*3,1*	*3,2*	*3,3*	*3,4*		
O4		7,6	8,1	8,6	9,1	9,5	10,0	10,4	10,8	11,1	11,5	11,9	12,2	12,5	12,9	13,2	13,5	13,8		**O4**
		2,0	*2,2*	*2,3*	*2,4*	*2,5*	*2,6*	*2,7*	*2,8*	*2,9*	*3,0*	*3,1*	*3,2*	*3,3*	*3,4*	*3,5*	*3,6*	*3,6*		
O43*		8,1	8,7	9,2	9,7	10,2	10,6	11,1	11,5	11,9	12,3	12,6	13,0	13,4	13,7	14,1	14,4	14,7		O43*
		2,1	*2,3*	*2,4*	*2,6*	*2,7*	*2,8*	*2,9*	*3,0*	*3,1*	*3,2*	*3,3*	*3,4*	*3,5*	*3,6*	*3,7*	*3,8*	*3,9*		
O45		8,6	9,2	9,8	10,3	10,8	11,3	11,7	12,2	12,6	13,0	13,4	13,8	14,2	14,6	14,9	15,3	15,6		**O45**
		2,3	*2,4*	*2,6*	*2,7*	*2,9*	*3,0*	*3,1*	*3,2*	*3,3*	*3,4*	*3,5*	*3,7*	*3,8*	*3,8*	*3,9*	*4,0*	*4,1*		
O5		9,5	10,2	10,8	11,4	12,0	12,5	13,0	13,5	14,0	14,4	14,9	15,3	15,7	16,1	16,5	16,9	17,3		**O5**
		2,5	*2,7*	*2,9*	*3,0*	*3,2*	*3,3*	*3,4*	*3,6*	*3,7*	*3,8*	*3,9*	*4,0*	*4,2*	*4,3*	*4,4*	*4,5*	*4,6*		
O53*		10,0	10,7	11,4	12,0	12,6	13,1	13,7	14,2	14,7	15,2	15,6	16,1	16,5	17,0	17,4	17,8	18,2		O53*
		2,7	*2,8*	*3,0*	*3,2*	*3,3*	*3,5*	*3,6*	*3,8*	*3,9*	*4,0*	*4,1*	*4,3*	*4,4*	*4,5*	*4,6*	*4,7*	*4,8*		
O55		10,5	11,2	11,9	12,5	13,1	13,7	14,3	14,8	15,3	15,8	16,3	16,8	17,2	17,7	18,1	18,5	19,0		**O55**
		2,8	*3,0*	*3,1*	*3,3*	*3,5*	*3,6*	*3,8*	*3,9*	*4,0*	*4,2*	*4,3*	*4,4*	*4,6*	*4,7*	*4,8*	*4,9*	*5,0*		
O6		11,5	12,3	13,0	13,7	14,4	15,0	15,6	16,2	16,8	17,3	17,9	18,4	18,9	19,4	19,9	20,3	20,8		**O6**
		3,0	*3,2*	*3,4*	*3,6*	*3,8*	*4,0*	*4,1*	*4,3*	*4,4*	*4,6*	*4,7*	*4,9*	*5,0*	*5,1*	*5,2*	*5,4*	*5,5*		
O65		12,4	13,2	14,0	14,8	15,5	16,2	16,9	17,5	18,1	18,7	19,3	19,9	20,4	20,9	21,4	22,0	22,4		**O65**
		3,3	*3,5*	*3,7*	*3,9*	*4,1*	*4,3*	*4,5*	*4,6*	*4,8*	*4,9*	*5,1*	*5,2*	*5,4*	*5,5*	*5,7*	*5,8*	*5,9*		
O7		13,4	14,3	15,2	16,0	16,8	17,5	18,2	18,9	19,6	20,2	20,9	21,5	22,1	22,6	23,2	23,7	24,3		**O7**
		3,5	*3,8*	*4,0*	*4,2*	*4,4*	*4,6*	*4,8*	*5,0*	*5,2*	*5,3*	*5,5*	*5,7*	*5,8*	*6,0*	*6,1*	*6,3*	*6,4*		
O75		14,3	15,3	16,2	17,1	17,9	18,7	19,5	20,2	20,9	21,6	22,3	22,9	23,6	24,2	24,8	25,4	25,9		**O75**
		3,8	*4,0*	*4,3*	*4,5*	*4,7*	*4,9*	*5,2*	*5,3*	*5,5*	*5,7*	*5,9*	*6,1*	*6,2*	*6,4*	*6,5*	*6,7*	*6,9*		
O8		15,2	16,3	17,3	18,2	19,1	19,9	20,8	21,5	22,3	23,0	23,7	24,4	25,1	25,7	26,4	27,0	27,6		**O8**
		4,0	*4,3*	*4,6*	*4,8*	*5,0*	*5,3*	*5,5*	*5,7*	*5,9*	*6,1*	*6,3*	*6,5*	*6,6*	*6,8*	*7,0*	*7,1*	*7,3*		
O85		16,2	17,4	18,4	19,4	20,3	21,3	22,1	23,0	23,8	24,5	25,3	26,0	26,7	27,4	28,1	28,8	29,4		**O85**
		4,3	*4,6*	*4,9*	*5,1*	*5,4*	*5,6*	*5,8*	*6,1*	*6,3*	*6,5*	*6,7*	*6,9*	*7,1*	*7,2*	*7,4*	*7,6*	*7,8*		
O9		17,6	18,8	19,9	21,0	22,0	23,0	23,9	24,8	25,7	26,6	27,4	28,2	28,9	29,7	30,4	31,1	31,8		**O9**
		4,6	*5,0*	*5,3*	*5,5*	*5,8*	*6,1*	*6,3*	*6,6*	*6,8*	*7,0*	*7,2*	*7,4*	*7,6*	*7,8*	*8,0*	*8,2*	*8,4*		
O95		18,4	19,7	20,9	22,0	23,1	24,1	25,1	26,0	26,9	27,8	28,7	29,5	30,3	31,1	31,9	32,6	33,4		**O95**
		4,9	*5,2*	*5,5*	*5,8*	*6,1*	*6,4*	*6,6*	*6,9*	*7,1*	*7,4*	*7,6*	*7,8*	*8,0*	*8,2*	*8,4*	*8,6*	*8,8*		
10		19,2	20,6	21,8	23,0	24,1	25,2	26,2	27,2	28,2	29,1	30,0	30,9	31,7	32,5	33,3	34,1	34,9		**10**
		5,1	*5,4*	*5,8*	*6,1*	*6,4*	*6,7*	*6,9*	*7,2*	*7,4*	*7,7*	*7,9*	*8,2*	*8,4*	*8,6*	*8,8*	*9,0*	*9,2*		
11		20,9	22,4	23,7	25,0	26,2	27,4	28,5	29,6	30,6	31,6	32,6	33,5	34,5	35,4	36,2	37,1	37,9		**11**
		5,5	*5,9*	*6,3*	*6,6*	*6,9*	*7,2*	*7,5*	*7,8*	*8,1*	*8,4*	*8,6*	*8,9*	*9,1*	*9,3*	*9,6*	*9,8*	*10,0*		
115		21,8	23,3	24,7	26,0	27,3	28,5	29,6	30,8	31,8	32,9	33,9	34,9	35,8	36,8	37,7	38,6	39,4		**115**
		5,7	*6,1*	*6,5*	*6,9*	*7,2*	*7,5*	*7,8*	*8,1*	*8,4*	*8,7*	*9,0*	*9,2*	*9,5*	*9,7*	*10,0*	*10,2*	*10,4*		
12		22,6	24,1	25,6	27,0	28,3	29,6	30,8	31,9	33,1	34,2	35,2	36,2	37,2	38,2	39,1	40,0	40,9		**12**
		6,0	*6,4*	*6,8*	*7,1*	*7,5*	*7,8*	*8,1*	*8,4*	*8,7*	*9,0*	*9,3*	*9,6*	*9,8*	*10,1*	*10,3*	*10,6*	*10,8*		
125		23,4	25,0	26,6	28,0	29,4	30,7	31,9	33,1	34,3	35,4	36,5	37,6	38,6	39,6	40,6	41,5	42,5		**125**
		6,2	*6,6*	*7,0*	*7,4*	*7,8*	*8,1*	*8,4*	*8,8*	*9,1*	*9,4*	*9,6*	*9,9*	*10,2*	*10,5*	*10,7*	*11,0*	*11,2*		
13		25,1	26,8	28,5	30,0	31,5	32,9	34,2	35,5	36,7	37,9	39,1	40,2	41,4	42,4	43,5	44,5	45,5		**13**
		6,6	*7,1*	*7,5*	*7,9*	*8,3*	*8,7*	*9,0*	*9,4*	*9,7*	*10,0*	*10,3*	*10,6*	*10,9*	*11,2*	*11,5*	*11,8*	*12,0*		
14		26,8	28,6	30,4	32,0	33,6	35,1	36,5	37,9	39,2	40,5	41,7	42,9	44,1	45,3	46,4	47,5	48,5		**14**
		7,1	*7,6*	*8,0*	*8,5*	*8,9*	*9,3*	*9,6*	*10,0*	*10,4*	*10,7*	*11,0*	*11,3*	*11,7*	*12,0*	*12,3*	*12,5*	*12,8*		
15		28,4	30,4	32,3	34,0	35,7	37,2	38,8	40,2	41,6	43,0	44,3	45,6	46,9	48,1	49,3	50,4	51,6		**15**
		7,5	*8,0*	*8,5*	*9,0*	*9,4*	*9,8*	*10,2*	*10,6*	*11,0*	*11,4*	*11,7*	*12,1*	*12,4*	*12,7*	*13,0*	*13,3*	*13,6*		
16		30,1	32,2	34,2	36,0	37,8	39,4	41,0	42,6	44,1	45,5	46,9	48,3	49,6	50,9	52,2	53,4	54,6		**16**
		8,0	*8,5*	*9,0*	*9,5*	*10,0*	*10,4*	*10,8*	*11,3*	*11,6*	*12,0*	*12,4*	*12,8*	*13,1*	*13,5*	*13,8*	*14,1*	*14,4*		
18		34,3	36,7	38,9	41,0	43,0	44,9	46,7	48,5	50,2	51,9	53,5	55,0	56,5	58,0	59,4	60,8	62,2		**18**
		9,1	*9,7*	*10,3*	*10,8*	*11,4*	*11,9*	*12,4*	*12,8*	*13,3*	*13,7*	*14,1*	*14,5*	*14,9*	*15,3*	*15,7*	*16,1*	*16,4*		
19		36,0	38,5	40,8	43,0	45,1	47,1	49,0	50,9	52,7	54,4	56,1	57,7	59,3	60,8	62,3	63,8	65,2		**19**
		9,5	*10,2*	*10,8*	*11,4*	*11,9*	*12,4*	*13,0*	*13,4*	*13,9*	*14,4*	*14,8*	*15,2*	*15,7*	*16,1*	*16,5*	*16,9*	*17,2*		
20		38,5	41,1	43,6	46,0	48,2	50,4	52,4	54,4	56,3	58,2	60,0	61,7	63,4	65,1	66,7	68,2	69,8		**20**
		10,2	*10,9*	*11,5*	*12,2*	*12,7*	*13,3*	*13,9*	*14,4*	*14,9*	*15,4*	*15,8*	*16,3*	*16,8*	*17,2*	*17,6*	*18,0*	*18,4*		
25		47,7	51,0	54,1	57,0	59,8	62,4	65,0	67,4	69,8	72,1	74,3	76,5	78,6	80,6	82,6	84,5	86,4		**25**
		12,6	*13,5*	*14,3*	*15,1*	*15,8*	*16,5*	*17,2*	*17,8*	*18,4*	*19,0*	*19,6*	*20,2*	*20,8*	*21,3*	*21,8*	*22,3*	*22,8*		
30		56,9	60,8	64,5	68,0	71,3	74,5	77,5	80,5	83,3	86,0	88,7	91,2	93,7	96,2	98,5	100,9	103,1		**30**
		15,0	*16,1*	*17,0*	*18,0*	*18,8*	*19,7*	*20,5*	*21,3*	*22,0*	*22,7*	*23,4*	*24,1*	*24,8*	*25,4*	*26,0*	*26,6*	*27,2*		
35		66,9	71,6	75,9	80,0	83,9	87,6	91,2	94,7	98,0	101,2	104,3	107,3	110,3	113,1	115,9	118,7	121,3		**35**
		17,7	*18,9*	*20,1*	*21,1*	*22,2*	*23,2*	*24,1*	*25,0*	*25,9*	*26,7*	*27,6*	*28,4*	*29,1*	*29,9*	*30,6*	*31,3*	*32,1*		
40		76,1	81,4	86,3	91,0	95,4	99,7	103,8	107,7	111,5	115,1	118,6	122,1	125,4	128,7	131,9	135,0	138,0		**40**
		20,1	*21,5*	*22,8*	*24,0*	*25,2*	*26,3*	*27,4*	*28,4*	*29,4*	*30,4*	*31,3*	*32,3*	*33,1*	*34,0*	*34,8*	*35,7*	*36,5*		
50		95,4	102,0	108,1	114,0	119,6	124,9	130,0	134,9	139,6	144,2	148,6	152,9	157,1	161,2	165,2	169,1	172,9		**50**
		25,2	*26,9*	*28,6*	*30,1*	*31,6*	*33,0*	*34,3*	*35,6*	*36,9*	*38,1*	*39,3*	*40,4*	*41,5*	*42,6*	*43,6*	*44,7*	*45,7*		
60		114,6	122,5	130,0	137,0	143,7	150,1	156,2	162,1	167,8	173,3	178,6	183,8	188,8	193,7	198,5	203,2	207,8		**60**
		30,3	*32,4*	*34,3*	*36,2*	*38,0*	*39,7*	*41,3*	*42,8*	*44,3*	*45,8*	*47,2*	*48,6*	*49,9*	*51,2*	*52,5*	*53,7*	*54,9*		
70		133,9	143,1	151,8	160,0	167,8	175,3	182,4	189,3	196,0	202,4	208,6	214,7	220,5	226,3	231,9	237,3	242,7		**70**
		35,4	*37,8*	*40,1*	*42,3*	*44,3*	*46,3*	*48,2*	*50,0*	*51,8*	*53,5*	*55,1*	*56,7*	*58,3*	*59,8*	*61,3*	*62,7*	*64,1*		
80		152,3	162,8	172,7	182,0	190,9	199,4	207,5	215,3	222,9	230,2	237,3	244,2	250,9	257,4	263,7	269,9	276,0		**80**
		40,2	*43,0*	*45,6*	*48,1*	*50,4*	*52,7*	*54,8*	*56,9*	*58,9*	*60,8*	*62,7*	*64,5*	*66,3*	*68,0*	*69,7*	*71,3*	*72,9*		
90		171,5	183,4	194,5	205,0	215,0	224,6	233,7	242,6	251,1	259,3	267,3	275,0	282,6	289,9	297,1	304,1	310,9		**90**
		45,3	*48,4*	*51,4*	*54,2*	*56,8*	*59,3*	*61,8*	*64,1*	*66,3*	*68,5*	*70,6*	*72,7*	*74,7*	*76,6*	*78,5*	*80,3*	*82,1*		
	bar	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	bar	
	MPa	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MPa	
	PSI	*1015*	*1160*	*1305*	*1450*	*1595*	*1740*	*1885*	*2030*	*2175*	*2320*	*2465*	*2610*	*2755*	*2900*	*3045*	*3190*	*3335*	*PSI*	
Fattore di Portata	Portata (l/min) alla Pressione (bar)																			Fattore di Portata
Capacity Size	*Flow rate (GPM) at Pressure (PSI)*																			*Capacity Size*

*** F.P. UGELLI SPECIALI**

Tutti gli ugelli PA sono forniti con tolleranze di ±5% sui dati riportati nella tabella
All PA nozzles are supplied with a ±5% tolerance on data reported in this table

*** F.P. UGELLI SPECIALI**

Tutti gli ugelli PA sono forniti con tolleranze di ±5% sui dati riportati nella tabella
All PA nozzles are supplied with a ±5% tolerance on data reported in this table

* F.P. UGELLI SPECIALI

Tutti gli ugelli PA sono forniti con tolleranze di ±5% sui dati riportati nella tabella
All PA nozzles are supplied with a ±5% tolerance on data reported in this table

Fattore di Portata	Portata (l/min) alla Pressione (bar)																				Fattore di Portata
Capacity Size	*Flow rate (GPM) at Pressure (PSI)*																				*Capacity Size*
	bar	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	bar	
	MPa	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	MPa	
	PSI	*3480*	*3625*	*3770*	*3915*	*4060*	*4205*	*4350*	*4495*	*4640*	*4785*	*4930*	*5075*	*5220*	*5365*	*5510*	*5655*	*5800*	*5945*	*PSI*	
01		3,6	3,6	3,7	3,8	3,8	3,9	4,0	4,0	4,1	4,2	4,2	4,3	4,4	4,4	4,5	4,5	4,6	4,7		**01**
		0,9	*1,0*	*1,0*	*1,0*	*1,0*	*1,0*	*1,1*	*1,1*	*1,1*	*1,1*	*1,1*	*1,1*	*1,2*	*1,2*	*1,2*	*1,2*	*1,2*	*1,2*		
015		5,3	5,4	5,5	5,6	5,7	5,8	5,9	6,0	6,1	6,2	6,3	6,4	6,5	6,5	6,6	6,7	6,8	6,9		015
		1,4	*1,4*	*1,4*	*1,5*	*1,5*	*1,5*	*1,6*	*1,6*	*1,6*	*1,6*	*1,7*	*1,7*	*1,7*	*1,7*	*1,8*	*1,8*	*1,8*	*1,8*		
O2		7,1	7,3	7,4	7,6	7,7	7,8	8,0	8,1	8,2	8,4	8,5	8,6	8,7	8,8	9,0	9,1	9,2	9,3		**O2**
		1,9	*1,9*	*2,0*	*2,0*	*2,0*	*2,1*	*2,1*	*2,1*	*2,2*	*2,2*	*2,2*	*2,3*	*2,3*	*2,3*	*2,4*	*2,4*	*2,4*	*2,5*		
O23*		7,7	7,9	8,1	8,2	8,4	8,5	8,7	8,8	8,9	9,1	9,2	9,4	9,5	9,6	9,7	9,9	10,0	10,1		O23*
		2,0	*2,1*	*2,1*	*2,2*	*2,2*	*2,2*	*2,3*	*2,3*	*2,4*	*2,4*	*2,4*	*2,5*	*2,5*	*2,5*	*2,6*	*2,6*	*2,6*	*2,7*		
O25*		8,7	8,9	9,0	9,2	9,4	9,5	9,7	9,9	10,0	10,2	10,3	10,5	10,6	10,8	10,9	11,1	11,2	11,3		O25*
		2,3	*2,3*	*2,4*	*2,4*	*2,5*	*2,5*	*2,6*	*2,6*	*2,6*	*2,7*	*2,7*	*2,8*	*2,8*	*2,8*	*2,9*	*2,9*	*3,0*	*3,0*		
O27*		9,5	9,6	9,8	10,0	10,2	10,4	10,6	10,7	10,9	11,1	11,2	11,4	11,6	11,7	11,9	12,0	12,2	12,4		O27*
		2,5	*2,5*	*2,6*	*2,6*	*2,7*	*2,7*	*2,8*	*2,8*	*2,9*	*2,9*	*3,0*	*3,0*	*3,1*	*3,1*	*3,1*	*3,2*	*3,2*	*3,3*		
O3		10,5	10,8	11,0	11,2	11,4	11,6	11,8	12,0	12,2	12,4	12,5	12,7	12,9	13,1	13,3	13,4	13,6	13,8		**O3**
		2,8	*2,8*	*2,9*	*3,0*	*3,0*	*3,1*	*3,1*	*3,2*	*3,2*	*3,3*	*3,3*	*3,4*	*3,4*	*3,5*	*3,5*	*3,5*	*3,6*	*3,6*		
O32*		11,0	11,2	11,4	11,7	11,9	12,1	12,3	12,5	12,7	12,9	13,1	13,3	13,5	13,7	13,8	14,0	14,2	14,4		O32*
		2,9	*3,0*	*3,0*	*3,1*	*3,1*	*3,2*	*3,2*	*3,3*	*3,4*	*3,4*	*3,5*	*3,5*	*3,6*	*3,6*	*3,7*	*3,7*	*3,8*	*3,8*		
O35*		12,4	12,6	12,9	13,1	13,4	13,6	13,9	14,1	14,3	14,5	14,8	15,0	15,2	15,4	15,6	15,8	16,0	16,2		O35*
		3,3	*3,3*	*3,4*	*3,5*	*3,5*	*3,6*	*3,7*	*3,7*	*3,8*	*3,8*	*3,9*	*4,0*	*4,0*	*4,1*	*4,1*	*4,2*	*4,2*	*4,3*		
O37*		13,0	13,3	13,5	13,8	14,1	14,3	14,5	14,8	15,0	15,3	15,5	15,7	15,9	16,2	16,4	16,6	16,8	17,0		O37*
		3,4	*3,5*	*3,6*	*3,6*	*3,7*	*3,8*	*3,8*	*3,9*	*4,0*	*4,0*	*4,1*	*4,2*	*4,2*	*4,3*	*4,3*	*4,4*	*4,4*	*4,5*		
O4		14,1	14,4	14,7	15,0	15,2	15,5	15,8	16,0	16,3	16,5	16,8	17,0	17,3	17,5	17,7	18,0	18,2	18,4		**O4**
		3,7	*3,8*	*3,9*	*4,0*	*4,0*	*4,1*	*4,2*	*4,2*	*4,3*	*4,4*	*4,4*	*4,5*	*4,6*	*4,6*	*4,7*	*4,7*	*4,8*	*4,9*		
O43*		15,0	15,3	15,6	15,9	16,2	16,5	16,8	17,1	17,4	17,6	17,9	18,1	18,4	18,7	18,9	19,2	19,4	19,6		O43*
		4,0	*4,1*	*4,1*	*4,2*	*4,3*	*4,4*	*4,4*	*4,5*	*4,6*	*4,7*	*4,7*	*4,8*	*4,9*	*4,9*	*5,0*	*5,1*	*5,1*	*5,2*		
O45		16,0	16,3	16,6	16,9	17,2	17,5	17,8	18,1	18,4	18,7	19,0	19,3	19,5	19,8	20,1	20,3	20,6	20,9		**O45**
		4,2	*4,3*	*4,4*	*4,5*	*4,6*	*4,6*	*4,7*	*4,8*	*4,9*	*4,9*	*5,0*	*5,1*	*5,2*	*5,2*	*5,3*	*5,4*	*5,4*	*5,5*		
O5		17,7	18,0	18,4	18,7	19,1	19,4	19,7	20,1	20,4	20,7	21,0	21,3	21,6	21,9	22,2	22,5	22,8	23,1		**O5**
		4,7	*4,8*	*4,9*	*4,9*	*5,0*	*5,1*	*5,2*	*5,3*	*5,4*	*5,5*	*5,6*	*5,6*	*5,7*	*5,8*	*5,9*	*5,9*	*6,0*	*6,1*		
O53*		18,6	19,0	19,3	19,7	20,1	20,4	20,8	21,1	21,5	21,8	22,1	22,4	22,8	23,1	23,4	23,7	24,0	24,3		O53*
		4,9	*5,0*	*5,1*	*5,2*	*5,3*	*5,4*	*5,5*	*5,6*	*5,7*	*5,8*	*5,8*	*5,9*	*6,0*	*6,1*	*6,2*	*6,3*	*6,3*	*6,4*		
O55		19,4	19,8	20,2	20,5	20,9	21,3	21,7	22,0	22,4	22,7	23,0	23,4	23,7	24,0	24,4	24,7	25,0	25,3		**O55**
		5,1	*5,2*	*5,3*	*5,4*	*5,5*	*5,6*	*5,7*	*5,8*	*5,9*	*6,0*	*6,1*	*6,2*	*6,3*	*6,4*	*6,4*	*6,5*	*6,6*	*6,7*		
O6		21,2	21,7	22,1	22,5	22,9	23,3	23,7	24,1	24,5	24,9	25,3	25,6	26,0	26,4	26,7	27,1	27,4	27,7		**O6**
		5,6	*5,7*	*5,8*	*5,9*	*6,1*	*6,2*	*6,3*	*6,4*	*6,5*	*6,6*	*6,7*	*6,8*	*6,9*	*7,0*	*7,1*	*7,1*	*7,2*	*7,3*		
O65		22,9	23,4	23,9	24,3	24,8	25,2	25,6	26,1	26,5	26,9	27,3	27,7	28,1	28,5	28,9	29,2	29,6	30,0		**O65**
		6,1	*6,2*	*6,3*	*6,4*	*6,5*	*6,7*	*6,8*	*6,9*	*7,0*	*7,1*	*7,2*	*7,3*	*7,4*	*7,5*	*7,6*	*7,7*	*7,8*	*7,9*		
O7		24,8	25,3	25,8	26,3	26,8	27,2	27,7	28,2	28,6	29,1	29,5	29,9	30,4	30,8	31,2	31,6	32,0	32,4		**O7**
		6,5	*6,7*	*6,8*	*6,9*	*7,1*	*7,2*	*7,3*	*7,4*	*7,6*	*7,7*	*7,8*	*7,9*	*8,0*	*8,1*	*8,2*	*8,3*	*8,5*	*8,6*		
O75		26,5	27,0	27,6	28,1	28,6	29,1	29,6	30,1	30,6	31,1	31,5	32,0	32,4	32,9	33,3	33,8	34,2	34,6		**O75**
		7,0	*7,1*	*7,3*	*7,4*	*7,6*	*7,7*	*7,8*	*8,0*	*8,1*	*8,2*	*8,3*	*8,5*	*8,6*	*8,7*	*8,8*	*8,9*	*9,0*	*9,1*		
O8		28,2	28,8	29,3	29,9	30,5	31,0	31,5	32,0	32,6	33,1	33,6	34,0	34,5	35,0	35,5	35,9	36,4	36,9		**O8**
		7,4	*7,6*	*7,8*	*7,9*	*8,0*	*8,2*	*8,3*	*8,5*	*8,6*	*8,7*	*8,9*	*9,0*	*9,1*	*9,2*	*9,4*	*9,5*	*9,6*	*9,7*		
O85		30,1	30,7	31,3	31,9	32,5	33,0	33,6	34,2	34,7	35,2	35,8	36,3	36,8	37,3	37,8	38,3	38,8	39,3		**O85**
		7,9	*8,1*	*8,3*	*8,4*	*8,6*	*8,7*	*8,9*	*9,0*	*9,2*	*9,3*	*9,5*	*9,6*	*9,7*	*9,9*	*10,0*	*10,1*	*10,3*	*10,4*		
O9		32,5	33,2	33,9	34,5	35,1	35,8	36,4	37,0	37,6	38,1	38,7	39,3	39,8	40,4	40,9	41,5	42,0	42,5		**O9**
		8,6	*8,8*	*8,9*	*9,1*	*9,3*	*9,4*	*9,6*	*9,8*	*9,9*	*10,1*	*10,2*	*10,4*	*10,5*	*10,7*	*10,8*	*11,0*	*11,1*	*11,2*		
O95		34,1	34,8	35,5	36,1	36,8	37,5	38,1	38,7	39,4	40,0	40,6	41,2	41,7	42,3	42,9	43,4	44,0	44,5		**O95**
		9,0	*9,2*	*9,4*	*9,6*	*9,7*	*9,9*	*10,1*	*10,2*	*10,4*	*10,6*	*10,7*	*10,9*	*11,0*	*11,2*	*11,3*	*11,5*	*11,6*	*11,8*		
10		35,6	36,4	37,1	37,8	38,5	39,2	39,8	40,5	41,1	41,8	42,4	43,0	43,6	44,2	44,8	45,4	46,0	46,6		**10**
		9,4	*9,6*	*9,8*	*10,0*	*10,2*	*10,3*	*10,5*	*10,7*	*10,9*	*11,0*	*11,2*	*11,4*	*11,5*	*11,7*	*11,8*	*12,0*	*12,2*	*12,3*		
11		38,7	39,5	40,3	41,1	41,8	42,6	43,3	44,0	44,7	45,4	46,1	46,8	47,4	48,1	48,7	49,4	50,0	50,6		**11**
		10,2	*10,4*	*10,7*	*10,9*	*11,1*	*11,2*	*11,4*	*11,6*	*11,8*	*12,0*	*12,2*	*12,4*	*12,5*	*12,7*	*12,9*	*13,0*	*13,2*	*13,4*		
115		40,3	41,1	41,9	42,7	43,5	44,3	45,0	45,8	46,5	47,2	47,9	48,6	49,3	50,0	50,7	51,3	52,0	52,6		**115**
		10,6	*10,9*	*11,1*	*11,3*	*11,5*	*11,7*	*11,9*	*12,1*	*12,3*	*12,5*	*12,7*	*12,9*	*13,0*	*13,2*	*13,4*	*13,6*	*13,7*	*13,9*		
12		41,8	42,7	43,5	44,4	45,2	46,0	46,8	47,5	48,3	49,0	49,8	50,5	51,2	51,9	52,6	53,3	54,0	54,7		**12**
		11,1	*11,3*	*11,5*	*11,7*	*11,9*	*12,1*	*12,4*	*12,6*	*12,8*	*13,0*	*13,2*	*13,3*	*13,5*	*13,7*	*13,9*	*14,1*	*14,3*	*14,4*		
125		43,4	44,3	45,1	46,0	46,9	47,7	48,5	49,3	50,1	50,9	51,6	52,4	53,1	53,9	54,6	55,3	56,0	56,7		**125**
		11,5	*11,7*	*11,9*	*12,2*	*12,4*	*12,6*	*12,8*	*13,0*	*13,2*	*13,4*	*13,6*	*13,8*	*14,0*	*14,2*	*14,4*	*14,6*	*14,8*	*15,0*		
13		46,5	47,4	48,4	49,3	50,2	51,1	52,0	52,8	53,7	54,5	55,3	56,1	56,9	57,7	58,5	59,2	60,0	60,7		**13**
		12,3	*12,5*	*12,8*	*13,0*	*13,3*	*13,5*	*13,7*	*14,0*	*14,2*	*14,4*	*14,6*	*14,8*	*15,0*	*15,2*	*15,5*	*15,7*	*15,9*	*16,0*		
14		49,6	50,6	51,6	52,6	53,5	54,5	55,4	56,3	57,2	58,1	59,0	59,9	60,7	61,6	62,4	63,2	64,0	64,8		**14**
		13,1	*13,4*	*13,6*	*13,9*	*14,1*	*14,4*	*14,6*	*14,9*	*15,1*	*15,4*	*15,6*	*15,8*	*16,0*	*16,3*	*16,5*	*16,7*	*16,9*	*17,1*		
15		52,7	53,8	54,8	55,9	56,9	57,9	58,9	59,9	60,8	61,8	62,7	63,6	64,5	65,4	66,3	67,1	68,0	68,8		**15**
		13,9	*14,2*	*14,5*	*14,8*	*15,0*	*15,3*	*15,6*	*15,8*	*16,1*	*16,3*	*16,6*	*16,8*	*17,0*	*17,3*	*17,5*	*17,7*	*18,0*	*18,2*		
16		55,8	56,9	58,0	59,2	60,2	61,3	62,4	63,4	64,4	65,4	66,4	67,3	68,3	69,2	70,2	71,1	72,0	72,9		**16**
		14,7	*15,0*	*15,3*	*15,6*	*15,9*	*16,2*	*16,5*	*16,7*	*17,0*	*17,3*	*17,5*	*17,8*	*18,0*	*18,3*	*18,5*	*18,8*	*19,0*	*19,3*		
18		63,5	64,8	66,1	67,4	68,6	69,8	71,0	72,2	73,3	74,5	75,6	76,7	77,8	78,9	79,9	81,0	82,0	83,0		**18**
		16,8	*17,1*	*17,5*	*17,8*	*18,1*	*18,4*	*18,8*	*19,1*	*19,4*	*19,7*	*20,0*	*20,3*	*20,6*	*20,8*	*21,1*	*21,4*	*21,7*	*21,9*		
19		66,6	68,0	69,3	70,7	72,0	73,2	74,5	75,7	76,9	78,1	79,3	80,4	81,6	82,7	83,8	84,9	86,0	87,1		**19**
		17,6	*18,0*	*18,3*	*18,7*	*19,0*	*19,3*	*19,7*	*20,0*	*20,3*	*20,6*	*20,9*	*21,3*	*21,6*	*21,9*	*22,1*	*22,4*	*22,7*	*23,0*		
20		71,3	72,7	74,2	75,6	77,0	78,3	79,7	81,0	82,3	83,6	84,8	86,1	87,3	88,5	89,7	90,8	92,0	93,1		**20**
		18,8	*19,2*	*19,6*	*20,0*	*20,3*	*20,7*	*21,1*	*21,4*	*21,7*	*22,1*	*22,4*	*22,7*	*23,1*	*23,4*	*23,7*	*24,0*	*24,3*	*24,6*		
25		88,3	90,1	91,9	93,7	95,4	97,1	98,7	100,4	102,0	103,5	105,1	106,6	108,1	109,6	111,1	112,6	114,0	115,4		**25**
		23,3	*23,8*	*24,3*	*24,7*	*25,2*	*25,6*	*26,1*	*26,5*	*26,9*	*27,4*	*27,8*	*28,2*	*28,6*	*29,0*	*29,4*	*29,7*	*30,1*	*30,5*		
30		105,3	107,5	109,6	111,7	113,8	115,8	117,8	119,7	121,6	123,5	125,4	127,2	129,0	130,8	132,6	134,3	136,0	137,7		**30**
		27,8	*28,4*	*29,0*	*29,5*	*30,1*	*30,6*	*31,1*	*31,6*	*32,1*	*32,6*	*33,1*	*33,6*	*34,1*	*34,6*	*35,0*	*35,5*	*35,9*	*36,4*		
35		123,9	126,5	129,0	131,5	133,9	136,2	138,6	140,9	143,1	145,3	147,5	149,7	151,8	153,9	155,9	158,0	160,0	162,0		**35**
		32,7	*33,4*	*34,1*	*34,7*	*35,4*	*36,0*	*36,6*	*37,2*	*37,8*	*38,4*	*39,0*	*39,5*	*40,1*	*40,7*	*41,2*	*41,7*	*42,3*	*42,8*		
40		141,0	143,9	146,7	149,5	152,3	155,0	157,6	160,2	162,8	165,3	167,8	170,2	172,7	175,0	177,4	179,7	182,0	184,3		**40**
		37,2	*38,0*	*38,8*	*39,5*	*40,2*	*40,9*	*41,6*	*42,3*	*43,0*	*43,7*	*44,3*	*45,0*	*45,6*	*46,2*	*46,9*	*47,5*	*48,1*	*48,7*		
50		176,6	180,2	183,8	187,3	190,8	194,1	197,5	200,7	203,9	207,1	210,2	213,3	216,3	219,3	222,2	225,1	228,0	230,8		**50**
		46,7	*47,6*	*48,6*	*49,5*	*50,4*	*51,3*	*52,2*	*53,0*	*53,9*	*54,7*	*55,5*	*56,3*	*57,1*	*57,9*	*58,7*	*59,5*	*60,2*	*61,0*		
60		212,2	216,6	220,9	225,1	229,2	233,3	237,3	241,2	245,1	248,9	252,6	256,3	259,9	263,5	267,1	270,6	274,0	277,4		**60**
		56,1	*57,2*	*58,4*	*59,5*	*60,6*	*61,6*	*62,7*	*63,7*	*64,7*	*65,8*	*66,7*	*67,7*	*68,7*	*69,6*	*70,6*	*71,5*	*72,4*	*73,3*		
70		247,9	253,0	258,0	262,9	267,7	272,5	277,1	281,7	286,2	290,7	295,0	299,3	303,6	307,8	311,9	316,0	320,0	324,0		**70**
		65,5	*66,8*	*68,2*	*69,5*	*70,7*	*72,0*	*73,2*	*74,4*	*75,6*	*76,8*	*77,9*	*79,1*	*80,2*	*81,3*	*82,4*	*83,5*	*84,5*	*85,6*		
80		282,0	287,8	293,5	299,1	304,5	309,9	315,2	320,4	325,6	330,6	335,6	340,5	345,3	350,1	354,8	359,4	364,0	368,5		**80**
		74,5	*76,0*	*77,5*	*79,0*	*80,5*	*81,9*	*83,3*	*84,7*	*86,0*	*87,3*	*88,7*	*90,0*	*91,2*	*92,5*	*93,7*	*95,0*	*96,2*	*97,4*		
90		317,6	324,1	330,6	336,8	343,0	349,1	355,1	360,9	366,7	372,4	378,0	383,5	389,0	394,3	399,6	404,8	410,0	415,1		**90**
		83,9	*85,6*	*87,3*	*89,0*	*90,6*	*92,2*	*93,8*	*95,4*	*96,9*	*98,4*	*99,9*	*101*	*103*	*104*	*106*	*107*	*108*	*110*		
	bar	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	bar	
	MPa	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	MPa	
	PSI	*3480*	*3625*	*3770*	*3915*	*4060*	*4205*	*4350*	*4495*	*4640*	*4785*	*4930*	*5075*	*5220*	*5365*	*5510*	*5655*	*5800*	*5945*	*PSI*	
Fattore di Portata	Portata (l/min) alla Pressione (bar)																				Fattore di Portata
Capacity Size	*Flow rate (GPM) at Pressure (PSI)*																				*Capacity Size*

* F.P. UGELLI SPECIALI

Tutti gli ugelli PA sono forniti con tolleranze di ±5% sui dati riportati nella tabella
All PA nozzles are supplied with a ±5% tolerance on data reported in this table

Fattore di Portata	Portata (l/min) alla Pressione (bar)																					Fattore di Portata
Capacity Size	*Flow rate (GPM) at Pressure (PSI)*																					*Capacity Size*
	bar	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	bar	
	MPa	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	MPa	
	PSI	*6090*	*6235*	*6380*	*6525*	*6670*	*6815*	*6960*	*7105*	*7250*	*7395*	*7540*	*7685*	*7830*	*7975*	*8120*	*8265*	*8410*	*8555*	*8700*	*PSI*	
01		4,7	4,8	4,8	4,9	4,9	5,0	5,0	5,1	5,1	5,2	5,2	5,3	5,3	5,4	5,4	5,5	5,5	5,6	5,6		**01**
		1,2	*1,3*	*1,3*	*1,3*	*1,3*	*1,3*	*1,3*	*1,3*	*1,4*	*1,4*	*1,4*	*1,4*	*1,4*	*1,4*	*1,4*	*1,5*	*1,5*	*1,5*	*1,5*		
015		7,0	7,1	7,1	7,2	7,3	7,4	7,4	7,5	7,6	7,7	7,8	7,8	7,9	8,0	8,0	8,1	8,2	8,3	8,3		015
		1,8	*1,9*	*1,9*	*1,9*	*1,9*	*1,9*	*2,0*	*2,0*	*2,0*	*2,0*	*2,0*	*2,1*	*2,1*	*2,1*	*2,1*	*2,1*	*2,2*	*2,2*	*2,2*		
O2		9,4	9,5	9,6	9,8	9,9	10,0	10,1	10,2	10,3	10,4	10,5	10,6	10,7	10,8	10,9	11,0	11,1	11,2	11,3		**O2**
		2,5	*2,5*	*2,5*	*2,6*	*2,6*	*2,6*	*2,7*	*2,7*	*2,7*	*2,7*	*2,8*	*2,8*	*2,8*	*2,9*	*2,9*	*2,9*	*2,9*	*3,0*	*3,0*		
O23*		10,2	10,4	10,5	10,6	10,7	10,8	11,0	11,1	11,2	11,3	11,4	11,5	11,6	11,7	11,8	11,9	12,0	12,1	12,2		O23*
		2,7	*2,7*	*2,8*	*2,8*	*2,8*	*2,9*	*2,9*	*2,9*	*3,0*	*3,0*	*3,0*	*3,0*	*3,1*	*3,1*	*3,1*	*3,2*	*3,2*	*3,2*	*3,2*		
O25*		11,5	11,6	11,7	11,9	12,0	12,1	12,3	12,4	12,5	12,6	12,8	12,9	13,0	13,1	13,3	13,4	13,5	13,6	13,7		O25*
		3,0	*3,1*	*3,1*	*3,1*	*3,2*	*3,2*	*3,2*	*3,3*	*3,3*	*3,3*	*3,4*	*3,4*	*3,4*	*3,5*	*3,5*	*3,5*	*3,6*	*3,6*	*3,6*		
O27*		12,5	12,6	12,8	12,9	13,1	13,2	13,4	13,5	13,6	13,8	13,9	14,0	14,2	14,3	14,4	14,6	14,7	14,8	14,9		O27*
		3,3	*3,3*	*3,4*	*3,4*	*3,5*	*3,5*	*3,5*	*3,6*	*3,6*	*3,6*	*3,7*	*3,7*	*3,7*	*3,8*	*3,8*	*3,8*	*3,9*	*3,9*	*3,9*		
O3		13,9	14,1	14,3	14,4	14,6	14,7	14,9	15,1	15,2	15,4	15,5	15,7	15,8	15,9	16,1	16,2	16,4	16,5	16,7		**O3**
		3,7	*3,7*	*3,8*	*3,8*	*3,9*	*3,9*	*3,9*	*4,0*	*4,0*	*4,1*	*4,1*	*4,1*	*4,2*	*4,2*	*4,3*	*4,3*	*4,3*	*4,4*	*4,4*		
O32*		14,6	14,7	14,9	15,1	15,2	15,4	15,6	15,7	15,9	16,0	16,2	16,3	16,5	16,7	16,8	17,0	17,1	17,2	17,4		O32*
		3,8	*3,9*	*3,9*	*4,0*	*4,0*	*4,1*	*4,1*	*4,2*	*4,2*	*4,2*	*4,3*	*4,3*	*4,4*	*4,4*	*4,4*	*4,5*	*4,5*	*4,6*	*4,6*		
O35*		16,4	16,6	16,8	17,0	17,2	17,3	17,5	17,7	17,9	18,1	18,2	18,4	18,6	18,8	18,9	19,1	19,3	19,4	19,6		O35*
		4,3	*4,4*	*4,4*	*4,5*	*4,5*	*4,6*	*4,6*	*4,7*	*4,7*	*4,8*	*4,8*	*4,9*	*4,9*	*5,0*	*5,0*	*5,0*	*5,1*	*5,1*	*5,2*		
O37*		17,2	17,4	17,6	17,8	18,0	18,2	18,4	18,6	18,8	19,0	19,2	19,3	19,5	19,7	19,9	20,1	20,2	20,4	20,6		O37*
		4,5	*4,6*	*4,7*	*4,7*	*4,8*	*4,8*	*4,9*	*4,9*	*5,0*	*5,0*	*5,1*	*5,1*	*5,2*	*5,2*	*5,3*	*5,3*	*5,3*	*5,4*	*5,4*		
O4		18,6	18,9	19,1	19,3	19,5	19,7	19,9	20,1	20,3	20,6	20,8	20,9	21,1	21,3	21,5	21,7	21,9	22,1	22,3		**O4**
		4,9	*5,0*	*5,0*	*5,1*	*5,2*	*5,2*	*5,3*	*5,3*	*5,4*	*5,4*	*5,5*	*5,5*	*5,6*	*5,6*	*5,7*	*5,7*	*5,8*	*5,8*	*5,9*		
O43*		19,9	20,1	20,3	20,6	20,8	21,0	21,3	21,5	21,7	21,9	22,1	22,3	22,5	22,7	23,0	23,2	23,4	23,6	23,8		O43*
		5,3	*5,3*	*5,4*	*5,4*	*5,5*	*5,6*	*5,6*	*5,7*	*5,7*	*5,8*	*5,8*	*5,9*	*6,0*	*6,0*	*6,1*	*6,1*	*6,2*	*6,2*	*6,3*		
O45		21,1	21,4	21,6	21,8	22,1	22,3	22,6	22,8	23,0	23,3	23,5	23,7	23,9	24,2	24,4	24,6	24,8	25,0	25,2		**O45**
		5,6	*5,6*	*5,7*	*5,8*	*5,8*	*5,9*	*6,0*	*6,0*	*6,1*	*6,1*	*6,2*	*6,3*	*6,3*	*6,4*	*6,4*	*6,5*	*6,6*	*6,6*	*6,7*		
O5		23,4	23,6	23,9	24,2	24,5	24,7	25,0	25,2	25,5	25,7	26,0	26,2	26,5	26,7	27,0	27,2	27,5	27,7	27,9		**O5**
		6,2	*6,2*	*6,3*	*6,4*	*6,5*	*6,5*	*6,6*	*6,7*	*6,7*	*6,8*	*6,9*	*6,9*	*7,0*	*7,1*	*7,1*	*7,2*	*7,3*	*7,3*	*7,4*		
O53*		24,6	24,9	25,2	25,5	25,7	26,0	26,3	26,6	26,8	27,1	27,4	27,6	27,9	28,1	28,4	28,6	28,9	29,1	29,4		O53*
		6,5	*6,6*	*6,7*	*6,7*	*6,8*	*6,9*	*6,9*	*7,0*	*7,1*	*7,2*	*7,2*	*7,3*	*7,4*	*7,4*	*7,5*	*7,6*	*7,6*	*7,7*	*7,8*		
O55		25,6	25,9	26,2	26,5	26,8	27,1	27,4	27,7	28,0	28,2	28,5	28,8	29,0	29,3	29,6	29,8	30,1	30,4	30,6		**O55**
		6,8	*6,8*	*6,9*	*7,0*	*7,1*	*7,2*	*7,2*	*7,3*	*7,4*	*7,5*	*7,5*	*7,6*	*7,7*	*7,7*	*7,8*	*7,9*	*8,0*	*8,0*	*8,1*		
O6		28,1	28,4	28,7	29,1	29,4	29,7	30,0	30,3	30,6	30,9	31,2	31,5	31,8	32,1	32,4	32,7	33,0	33,3	33,6		**O6**
		7,4	*7,5*	*7,6*	*7,7*	*7,8*	*7,8*	*7,9*	*8,0*	*8,1*	*8,2*	*8,3*	*8,3*	*8,4*	*8,5*	*8,6*	*8,6*	*8,7*	*8,8*	*8,9*		
O65		30,3	30,7	31,0	31,4	31,7	32,1	32,4	32,8	33,1	33,4	33,7	34,1	34,4	34,7	35,0	35,3	35,6	35,9	36,3		**O65**
		8,0	*8,1*	*8,2*	*8,3*	*8,4*	*8,5*	*8,6*	*8,7*	*8,7*	*8,8*	*8,9*	*9,0*	*9,1*	*9,2*	*9,3*	*9,3*	*9,4*	*9,5*	*9,6*		
O7		32,8	33,2	33,6	33,9	34,3	34,7	35,1	35,4	35,8	36,1	36,5	36,8	37,2	37,5	37,9	38,2	38,5	38,9	39,2		**O7**
		8,7	*8,8*	*8,9*	*9,0*	*9,1*	*9,2*	*9,3*	*9,4*	*9,5*	*9,5*	*9,6*	*9,7*	*9,8*	*9,9*	*10,0*	*10,1*	*10,2*	*10,3*	*10,4*		
O75		35,0	35,5	35,9	36,3	36,7	37,1	37,5	37,9	38,2	38,6	39,0	39,4	39,7	40,1	40,5	40,8	41,2	41,5	41,9		**O75**
		9,3	*9,4*	*9,5*	*9,6*	*9,7*	*9,8*	*9,9*	*10,0*	*10,1*	*10,2*	*10,3*	*10,4*	*10,5*	*10,6*	*10,7*	*10,8*	*10,9*	*11,0*	*11,1*		
O8		37,3	37,7	38,2	38,6	39,0	39,5	39,9	40,3	40,7	41,1	41,5	41,9	42,3	42,7	43,1	43,5	43,8	44,2	44,6		**O8**
		9,9	*10,0*	*10,1*	*10,2*	*10,3*	*10,4*	*10,5*	*10,6*	*10,8*	*10,9*	*11,0*	*11,1*	*11,2*	*11,3*	*11,4*	*11,5*	*11,6*	*11,7*	*11,8*		
O85		39,8	40,2	40,7	41,2	41,6	42,1	42,5	42,9	43,4	43,8	44,2	44,7	45,1	45,5	45,9	46,3	46,7	47,1	47,5		**O85**
		10,5	*10,6*	*10,8*	*10,9*	*11,0*	*11,1*	*11,2*	*11,3*	*11,5*	*11,6*	*11,7*	*11,8*	*11,9*	*12,0*	*12,1*	*12,2*	*12,3*	*12,4*	*12,6*		
O9		43,0	43,5	44,0	44,5	45,0	45,5	46,0	46,5	47,0	47,4	47,9	48,3	48,8	49,2	49,7	50,1	50,6	51,0	51,4		**O9**
		11,4	*11,5*	*11,6*	*11,8*	*11,9*	*12,0*	*12,2*	*12,3*	*12,4*	*12,5*	*12,7*	*12,8*	*12,9*	*13,0*	*13,1*	*13,2*	*13,4*	*13,5*	*13,6*		
O95		45,1	45,6	46,1	46,7	47,2	47,7	48,2	48,7	49,2	49,7	50,2	50,6	51,1	51,6	52,1	52,5	53,0	53,4	53,9		**O95**
		11,9	*12,1*	*12,2*	*12,3*	*12,5*	*12,6*	*12,7*	*12,9*	*13,0*	*13,1*	*13,3*	*13,4*	*13,5*	*13,6*	*13,8*	*13,9*	*14,0*	*14,1*	*14,2*		
10		47,1	47,7	48,2	48,8	49,3	49,9	50,4	50,9	51,4	51,9	52,4	52,9	53,4	53,9	54,4	54,9	55,4	55,9	56,3		**10**
		12,5	*12,6*	*12,7*	*12,9*	*13,0*	*13,2*	*13,3*	*13,5*	*13,6*	*13,7*	*13,9*	*14,0*	*14,1*	*14,3*	*14,4*	*14,5*	*14,6*	*14,8*	*14,9*		
11		51,2	51,8	52,4	53,0	53,6	54,2	54,8	55,3	55,9	56,5	57,0	57,6	58,1	58,6	59,2	59,7	60,2	60,7	61,2		**11**
		13,5	*13,7*	*13,9*	*14,0*	*14,2*	*14,3*	*14,5*	*14,6*	*14,8*	*14,9*	*15,1*	*15,2*	*15,3*	*15,5*	*15,6*	*15,8*	*15,9*	*16,0*	*16,2*		
115		53,3	53,9	54,5	55,2	55,8	56,4	57,0	57,6	58,1	58,7	59,3	59,9	60,4	61,0	61,5	62,1	62,6	63,2	63,7		**115**
		14,1	*14,2*	*14,4*	*14,6*	*14,7*	*14,9*	*15,0*	*15,2*	*15,4*	*15,5*	*15,7*	*15,8*	*16,0*	*16,1*	*16,3*	*16,4*	*16,5*	*16,7*	*16,8*		
12		55,3	56,0	56,6	57,3	57,9	58,5	59,2	59,8	60,4	61,0	61,6	62,2	62,7	63,3	63,9	64,5	65,0	65,6	66,1		**12**
		14,6	*14,8*	*15,0*	*15,1*	*15,3*	*15,5*	*15,6*	*15,8*	*16,0*	*16,1*	*16,3*	*16,4*	*16,6*	*16,7*	*16,9*	*17,0*	*17,2*	*17,3*	*17,5*		
125		57,4	58,1	58,7	59,4	60,1	60,7	61,3	62,0	62,6	63,2	63,8	64,5	65,1	65,7	66,3	66,8	67,4	68,0	68,6		**125**
		15,2	*15,3*	*15,5*	*15,7*	*15,9*	*16,0*	*16,2*	*16,4*	*16,5*	*16,7*	*16,9*	*17,0*	*17,2*	*17,3*	*17,5*	*17,7*	*17,8*	*18,0*	*18,1*		
13		61,5	62,2	62,9	63,6	64,3	65,0	65,7	66,4	67,1	67,7	68,4	69,1	69,7	70,4	71,0	71,6	72,2	72,9	73,5		**13**
		16,2	*16,4*	*16,6*	*16,8*	*17,0*	*17,2*	*17,4*	*17,5*	*17,7*	*17,9*	*18,1*	*18,2*	*18,4*	*18,6*	*18,8*	*18,9*	*19,1*	*19,3*	*19,4*		
14		65,6	66,4	67,1	67,9	68,6	69,4	70,1	70,8	71,6	72,3	73,0	73,7	74,4	75,0	75,7	76,4	77,1	77,7	78,4		**14**
		17,3	*17,5*	*17,7*	*17,9*	*18,1*	*18,3*	*18,5*	*18,7*	*18,9*	*19,1*	*19,3*	*19,5*	*19,6*	*19,8*	*20,0*	*20,2*	*20,4*	*20,5*	*20,7*		
15		69,7	70,5	71,3	72,1	72,9	73,7	74,5	75,3	76,0	76,8	77,5	78,3	79,0	79,7	80,5	81,2	81,9	82,6	83,3		**15**
		18,4	*18,6*	*18,8*	*19,1*	*19,3*	*19,5*	*19,7*	*19,9*	*20,1*	*20,3*	*20,5*	*20,7*	*20,9*	*21,1*	*21,3*	*21,4*	*21,6*	*21,8*	*22,0*		
16		73,8	74,7	75,5	76,4	77,2	78,0	78,9	79,7	80,5	81,3	82,1	82,9	83,7	84,4	85,2	85,9	86,7	87,4	88,2		**16**
		19,5	*19,7*	*20,0*	*20,2*	*20,4*	*20,6*	*20,8*	*21,1*	*21,3*	*21,5*	*21,7*	*21,9*	*22,1*	*22,3*	*22,5*	*22,7*	*22,9*	*23,1*	*23,3*		
18		84,0	85,0	86,0	87,0	87,9	88,9	89,8	90,8	91,7	92,6	93,5	94,4	95,3	96,2	97,0	97,9	98,7	99,6	100,4		**18**
		22,2	*22,5*	*22,7*	*23,0*	*23,2*	*23,5*	*23,7*	*24,0*	*24,2*	*24,5*	*24,7*	*24,9*	*25,2*	*25,4*	*25,6*	*25,9*	*26,1*	*26,3*	*26,5*		
19		88,1	89,2	90,2	91,2	92,2	93,2	94,2	95,2	96,2	97,1	98,1	99,0	99,9	100,8	101,8	102,7	103,6	104,4	105,3		**19**
		23,3	*23,6*	*23,8*	*24,1*	*24,4*	*24,6*	*24,9*	*25,1*	*25,4*	*25,7*	*25,9*	*26,2*	*26,4*	*26,6*	*26,9*	*27,1*	*27,4*	*27,6*	*27,8*		
20		94,3	95,4	96,5	97,6	98,7	99,7	100,8	101,8	102,9	103,9	104,9	105,9	106,9	107,9	108,9	109,8	110,8	111,7	112,7		**20**
		24,9	*25,2*	*25,5*	*25,8*	*26,1*	*26,3*	*26,6*	*26,9*	*27,2*	*27,4*	*27,7*	*28,0*	*28,2*	*28,5*	*28,8*	*29,0*	*29,3*	*29,5*	*29,8*		
25		116,8	118,2	119,6	120,9	122,3	123,6	124,9	126,2	127,5	128,7	130,0	131,2	132,5	133,7	134,9	136,1	137,3	138,5	139,6		**25**
		30,9	*31,2*	*31,6*	*31,9*	*32,3*	*32,6*	*33,0*	*33,3*	*33,7*	*34,0*	*34,3*	*34,7*	*35,0*	*35,3*	*35,6*	*36,0*	*36,3*	*36,6*	*36,9*		
30		139,4	141,0	142,6	144,2	145,8	147,4	149,0	150,5	152,1	153,6	155,1	156,5	158,0	159,5	160,9	162,3	163,8	165,2	166,6		**30**
		36,8	*37,3*	*37,7*	*38,1*	*38,5*	*38,9*	*39,4*	*39,8*	*40,2*	*40,6*	*41,0*	*41,4*	*41,7*	*42,1*	*42,5*	*42,9*	*43,3*	*43,6*	*44,0*		
35		164,0	165,9	167,8	169,7	171,6	173,4	175,3	177,1	178,9	180,7	182,4	184,2	185,9	187,6	189,3	191,0	192,7	194,3	196,0		**35**
		43,3	*43,8*	*44,3*	*44,8*	*45,3*	*45,8*	*46,3*	*46,8*	*47,3*	*47,7*	*48,2*	*48,7*	*49,1*	*49,6*	*50,0*	*50,5*	*50,9*	*51,3*	*51,8*		
40		186,5	188,7	190,9	193,0	195,2	197,3	199,4	201,4	203,5	205,5	207,5	209,5	211,5	213,4	215,3	217,3	219,2	221,0	222,9		**40**
		49,3	*49,9*	*50,4*	*51,0*	*51,6*	*52,1*	*52,7*	*53,2*	*53,8*	*54,3*	*54,8*	*55,3*	*55,9*	*56,4*	*56,9*	*57,4*	*57,9*	*58,4*	*58,9*		
50		233,6	236,4	239,1	241,8	244,5	247,1	249,8	252,3	254,9	257,4	260,0	262,4	264,9	267,4	269,8	272,2	274,5	276,9	279,2		**50**
		61,7	*62,5*	*63,2*	*63,9*	*64,6*	*65,3*	*66,0*	*66,7*	*67,3*	*68,0*	*68,7*	*69,3*	*70,0*	*70,6*	*71,3*	*71,9*	*72,5*	*73,2*	*73,8*		
60		280,8	284,1	287,4	290,6	293,8	297,0	300,2	303,3	306,3	309,4	312,4	315,4	318,4	321,3	324,2	327,1	329,9	332,8	335,6		**60**
		74,2	*75,1*	*75,9*	*76,8*	*77,6*	*78,5*	*79,3*	*80,1*	*80,9*	*81,7*	*82,5*	*83,3*	*84,1*	*84,9*	*85,7*	*86,4*	*87,2*	*87,9*	*88,7*		
70		327,9	331,8	335,6	339,4	343,2	346,9	350,5	354,2	357,8	361,3	364,9	368,3	371,8	375,2	378,6	382,0	385,3	388,6	391,9		**70**
		86,6	*87,7*	*88,7*	*89,7*	*90,7*	*91,6*	*92,6*	*93,6*	*94,5*	*95,5*	*96,4*	*97,3*	*98,2*	*99,1*	*100,0*	*100,9*	*101,8*	*102,7*	*103,5*		
80		373,0	377,4	381,8	386,1	390,3	394,6	398,7	402,9	407,0	411,0	415,0	419,0	422,9	426,8	430,7	434,5	438,3	442,1	445,8		**80**
		98,5	*99,7*	*101*	*102*	*103*	*104*	*105*	*106*	*108*	*109*	*110*	*111*	*112*	*113*	*114*	*115*	*116*	*117*	*118*		
90		420,1	425,1	430,0	434,9	439,7	444,4	449,1	453,8	458,4	463,0	467,5	471,9	476,4	480,8	485,1	489,4	493,7	497,9	502,1		**90**
		111	*112*	*114*	*115*	*116*	*117*	*119*	*120*	*121*	*122*	*124*	*125*	*126*	*127*	*128*	*129*	*130*	*132*	*133*		
	bar	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	bar	
	MPa	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	MPa	
	PSI	*6090*	*6235*	*6380*	*6525*	*6670*	*6815*	*6960*	*7105*	*7250*	*7395*	*7540*	*7685*	*7830*	*7975*	*8120*	*8265*	*8410*	*8555*	*8700*	*PSI*	
Fattore di Portata	Portata (l/min) alla Pressione (bar)																					Fattore di Portata
Capacity Size	*Flow rate (GPM) at Pressure (PSI)*																					*Capacity Size*

*** F.P. UGELLI SPECIALI**

Tutti gli ugelli PA sono forniti con tolleranze di ±5% sui dati riportati nella tabella
All PA nozzles are supplied with a ±5% tolerance on data reported in this table

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P.A. - S.p.A. - EQUIPAGGIAMENTI TECNICI DEL LAVAGGIO

VIA MILANO, 13 - CASELLA POSTALE 115 - 42048 RUBIERA (REGGIO EMILIA) - ITALY
Tel. +39 0522 623611 - Fax. +39 0522 629600 - R.E.A. RE 156319 - R.I. RE 11535 - Mecc. RE 013446
C.F. e P.IVA 01035950359 - Cap.Soc. I.V. € 1.500.000,00 - Codice Identificativo C.E.E. IT 01035950359
ART. 2497 - BIS C.C. DIREZIONE E COORDINAMENTO BENETTI srl R.I. TRIB. DI RE 01480690351
http://www.pa-etl.it - Email: info@pa-etl.it

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

GENERAL CONDITIONS OF SALE

1. Introduction

1.1. These general conditions apply together with the order confirmation. In the event of a contradiction, the conditions shown on the order confirmation shall prevail.
1.2. This Sales Agreement is governed by the United Nations Convention on the International Sale of Goods (Vienna 1980) and, for matters not covered by this convention, by Italian law.
1.3. Any reference to commercial terms (such as EXW, FCA etc.) is to be understood as a reference to the Incoterms of the International Chamber of Commerce, in the text in force on the date of signing the Contract.
1.4. The following general conditions of sale refer to all products made by P.A. S.p.A. (hereinafter the Seller) present in the catalogue, out of catalogue or made to measure for customers.
1.5. For the purposes of interpretation and in case of translation discrepancies between the Italian and English versions, the Italian text shall prevail.

2. Product Features - Changes

2.1. Any information or data on the characteristics and technical specifications of the products contained in the brochures, price lists, catalogues or similar documents will be binding only to the extent that such data have been expressly referred to in the Contract.
2.2. The Seller reserves the right to make changes to the Products which, without altering the essential characteristics of the Products, should prove necessary or appropriate.

3. Terms of delivery

3.1. The delivery date is indicative and not binding. However, if the Seller foresees that he will not be able to deliver the Products on the agreed delivery date, he must promptly notify the Buyer in writing, indicating, where possible, the expected delivery date. It is understood that if the delay attributable to the Seller exceeds 52 weeks, the Buyer may terminate the contract relating to the Products whose delivery is delayed with 10 days' notice to be communicated in writing to the Seller.
3.2. Any delay due to force majeure (as defined in Article 9) or acts or omissions of the Buyer (e.g. failure to provide information necessary for the supply or delivery of the Products) is not considered attributable to the Seller.
3.3. In the event of a delay beyond the term of 52 weeks, the Buyer may request, subject to written formal notice by the Seller, only the return of any advance on the price of the Products not yet delivered.
3.4. Delay in delivery beyond the agreed date or partial fulfillment of the order does not entitle the Buyer to cancel or to claim compensation for direct or indirect damages, or to delay the payment of supplies already made with respect to the agreed deadlines.
4. Return and Shipping - Complaints
4.1. The terms of return shall only be those indicated in the order confirmation.
4.2. In any case, whatever the delivery terms agreed by the parties, the risks pass to the Buyer at the latest with delivery to the first carrier.
4.3. Any complaints relating to the state of the packaging, quantity, number or external characteristics of the Products (apparent defects), must be notified to the Seller in writing, under penalty of forfeiture, within 7 days from the date of receipt of the Products. Any complaints relating to defects not identifiable through a diligent check upon receipt (hidden defects) must be notified to the Seller in writing, under penalty of forfeiture, within 7 days from the date of discovery of the defect and in any case no later than 12 months from delivery to the first carrier.
4.4. It is understood that any complaints or disputes do not entitle the Buyer to suspend or in any case delay payments for the disputed Products, nor for other supplies. It is also forbidden to return the disputed goods without prior agreement with the Seller.

5. Prices

5.1 Unless otherwise agreed, the prices are intended for Products packaged according to the uses of the sector in relation to the agreed means of transport, it being understood that any other expense or charge will be borne by the Buyer. List prices are not binding and can be subject to changes depending on increased cost of raw materials, energy and labour.
5.2 The seller will have the right to increase the prices agreed upon in the purchase order if unforeseeable events occur which are independent of his will such as to render his performance unreasonably onerous.

6. Terms of payment

6.1. Where the parties have agreed on deferred payment, this must be made according to the terms indicated in the order confirmation document. Payment is considered to have been made when the sum becomes available to the Seller at the bank indicated on the invoice.
6.2. Where the parties have agreed on advance payment without further information, it is assumed that the advance payment refers to the full price. If payment is not received within 30 days of the Seller's request, the goods will no longer be reserved for the Buyer and will be returned to the Seller's warehouse; the agreed delivery terms will resume starting from the date of payment.
6.3. Where the parties have agreed to pay by documentary credit, the Buyer must, unless otherwise agreed, ensure that an irrevocable documentary credit, issued in accordance with the Uniform Customs and Customs of the CCI relating to Documentary Credits (Publication No. 600), is notified to the Seller at least 30 days before the agreed delivery date. Unless otherwise agreed, the irrevocable documentary credit must be confirmed by an Italian bank acceptable to the Seller and be payable at sight.
6.4. Unless otherwise agreed, any bank charges or commissions due in connection with the payment shall be borne by the Buyer.
6.5. Failure to comply with the agreed payment conditions gives the Seller the right to suspend the fulfillment of new orders.

7. Warranty for defects

7.1. The Seller undertakes to remedy any defect, lack of quality or lack of conformity of the Products attributable to him, which occurred within twelve months of delivery to the first carrier of the Products, provided that the same has been promptly notified in accordance with art. 4.3. The Seller may choose whether to repair or replace the Products found to be defective. Products replaced or repaired under warranty will be subject to the same warranty for a period of six months from the date of repair or replacement.
7.2. The return of the disputed goods is not permitted without prior agreement with the Seller.
7.3. The Seller does not guarantee the compliance of Products with particular specifications or technical characteristics or their suitability for particular uses except to the extent that these characteristics have been expressly agreed in the contract or in documents referred to for this purpose by the Contract itself.
7.4. Except in cases of willful misconduct or gross negligence, the Seller will be required, in the event of defects, lack of quality or lack of conformity of the Products, only to repair them or to supply Products to replace the defective ones. It is understood that the aforementioned guarantee (consisting in the obligation to repair or replace the Products) is absorbing and replacing the guarantees or responsibilities provided for by law, and excludes any other liability of the Seller (both contractual and extra-contractual) in any case originating from the Products supplied (to by way of example and not exhaustive: compensation for damage, loss of earnings, withdrawal campaigns, etc...).

8. Retention of title

It is agreed that the Products delivered remain the property of the Seller until full payment is received by the latter.

9. Force majeure

9.1. Each party may suspend the execution of its contractual obligations when such execution is made impossible or unreasonably burdensome by an unforeseeable impediment independent of its will such as, but not limited to, strike, boycott, lockout, fire, war (declared or non), civil war, riots and revolutions, requisitions, embargoes, power outages, pandemics.
9.2. The party wishing to make use of the force majeure clause must immediately notify the other party in writing of the occurrence and termination of the force majeure circumstances.
9.3. If the suspension due to force majeure lasts more than eight weeks, each party will have the right to terminate this Agreement, subject to 10 days' notice to be communicated to the other party in writing.

10. Legislative Decree 231/01 clause

The Buyer declares to have read the contents of the Code of Ethics, and the Organization, Management and Control Model pursuant to Legislative Decree 231/2001 and its Annexes adopted by P.A. S.p.A. by resolution of the Board of Directors of 30th September 2020 and undertakes to observe the related provisions. The Buyer also declares to have been informed that all the aforementioned documentation is available at the Seller's headquarters.

11. Jurisdiction

For any dispute arising from this Agreement or related to it, the Court of the Seller's headquarters, or the Court of Reggio nell'Emilia, will be exclusively competent. However, notwithstanding the above, the Seller still has the right to bring the dispute before the competent Judge at the Buyer's headquarters.

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
CERT-02444-98-AQ-BOL-SINCERT

Initial certification date:
05 January 1998

Valid:
08 August 2021 – 07 August 2024

This is to certify that the management system of

P.A. S.p.A. - Sede Legale e Operativa

Via Milano, 13 - 42048 Rubiera (RE) - Italy

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:

ISO 9001:2015

This certificate is valid for the following scope:

Design, manufacture, sale and trade of: spray guns, valves, lances, nozzles, electrical components (pressure switches, flow switches and injectors) for high pressure washing; rotery nozzles for tank washers. Design, manufacture, trade of spraying and liquid transfer equipment. Design and manufacture moluds. Moluding plastic material. Manufacture of inox and other metal mechanical items according to customer drawing (IAF: 18, 14, 17)

Place and date:
Vimercate (MB), 13 July 2021

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

SGQ N° 003 A
SGA N° 003 D
SGE N° 007 M
SCR N° 004 F
EMAS N° 009 P
PRD N° 003 B
PRS N° 094 C
SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ISP, GHG, LAB e LAT, di MLA IAF per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di MRA ILAC per gli schemi di accreditamento LAB, MED, LAT e ISP

For the issuing office:
DNV - Business Assurance
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy

Zeno Beltrami
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV Business Assurance Italy S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy - TEL: +39 68 99 905. www.dnv.it

Appendix to Certificate

P.A. S.p.A. - Sede Legale e Operativa

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
P.A. S.p.A. - Sede Legale e Operativa	Via Milano, 13 - 42048 Rubiera (RE) - Italy	Design, manufacture, sale and trade of: spray guns, valves, lances, nozzles, electrical components (pressure switches, flow switches and injectors) for high pressure washing; rotery nozzles for tank washers. Design, manufacture, trade of spraying and liquid transfer equipment. Design and manufacture moluds. Moluding plastic material. Manufacture of inox and other metal mechanical items according to customer drawing
P.A. S.p.A. - Stabilimento Operativo di Mec TO	Via Palazzeschi, 13/c - 42122 Bagno di Reggio Emilia (RE) - Italy	Manufacture of inox and other metal mechanical items according to customer drawing
P.A. S.p.A. - Stabilimento Operativo di Chierici Tito	Via Palazzeschi, 13/a - 42122 Bagno di Reggio Emilia (RE) - Italy	Design and manufacture moluds. Moluding plastic material

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV Business Assurance Italy S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy - TEL: +39 68 99 905. www.dnv.it