































Accessories for sprayer and foamer	340-341
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
















Foam Chart















Determine the foam components you need!


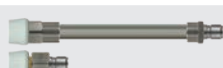







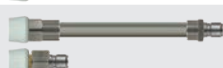
1. INJECTOR UNIT WITHOUT COMPRESSED AIR











	name	food grade	chemical	flow rate	bypass rinse option	adjustable metering	other options	page
	ST-60.1	-		6-20 l/min	-			323
	ST-160	✓		6-60 l/min	-			324
	ST-160 ST-161	✓		6-60 l/min	-			324
	ST-166	✓		6-60 l/min	-			324
	ST-167	✓		6-80 l/min	rinse 			330
	ST-167	✓		6-80 l/min	rinse 		suitable for extreme conditions	330
	ST-167 ST-161	✓		6-80 l/min	rinse 			330
	ST-164	✓		6-80 l/min	disinfection rinse 			334

1. COMPRESSED AIR INJECTOR




	ST-160.2	✓		4-80 l/min	-			326
	ST-160.3	✓		4-120 l/min	-			326
	ST-168	✓		4-80 l/min	rinse 			332
	ST-168 ST-161	✓		4-80 l/min	rinse 			332
	ST-164	✓		4-80 l/min	disinfection rinse 			334
	ST-164	✓		4-80 l/min	disinfection rinse 		water inlet pressure - sensitive air intake	328, 334
	ST-162	✓		4-80 l/min	rinse 			332

2. FOAM UNIT WITHOUT COMPRESSED AIR								
	name	food grade	under 25 l/min.	above 25 l/min.	foam lance	LTF technology	page	
	ST-2300	-	✓	-		-	190, 314, 304	
	ST-2600	-	✓	-		LTF	191, 314, 304	
	ST-2600	-	✓	-		LTF	316, 317	
	ST-2620	-	-	✓		LTF	197, 314, 317	
	ST-3500	-	-	✓		-	206, 319	
	ST-2700	✓	✓	-		LTF	203, 314, 316	
	ST-3300	✓	-	-		-	206, 317	

2. FOAM UNIT FOR FOAMING WITH COMPRESSED AIR								
	name	food grade	under 15 l/min.	above 15 l/min.	foam lance	LTF technology	page	
	ST-2720	✓	✓	-		LTF	204, 307, 308	
	ST-2725	✓	✓	-		LTF	205, 307, 308	
	ST-3300	✓	✓	-		-	306-308	
	ST-3100	✓	✓	-		-	206-308	
	ST-3225	✓	✓	-		-	307-308	

3. FOAM LANCES (WITHOUT COMPRESSED AIR)					
	Name	Food Grade	Below 25 l/min.	Above 25 l/min.	Page
	ST-73.1	-	✓	✓	336
	ST-73.2 without foampad	-	✓	✓	337
	ST-75	-	✓	-	316
	ST-75 without foampad	-	✓	-	316
	ST-75	✓	✓	-	316
	ST-75 SS	✓	✓	-	316
	ST-75.2	-	✓	✓	317
	ST-76	-	-	✓	317
	ST-72	-	✓	-	314
	ST-175	-	✓	-	318

LTF - Low Trigger Force
 90 % reduced holding force and
 40 % reduced trigger force against usual
 market guns.

-  foaming agent
-  foaming agent and disinfectant
-  very aggressive chemical

Suttner spray guns

ST-2700 KW



LTF



Professional gun with patented LTF technology. Stainless steel. Gun with coupling KW. Max. 310 bar / 45 l/min / 150 °C

R+M Nr.		
202 700 560	coupling KW	3/8" F

ST-2700 KW



LTF



Professional gun with patented LTF technology. Stainless steel. Gun with coupling KW. Max. 310 bar / 45 l/min / 150 °C

R+M Nr.		
202 700 575	coupling KW	3/8" F swivel

ST-2700 KW



LTF



Professional gun with patented LTF technology. Stainless steel. Gun with coupling KW. Max. 310 bar / 45 l/min / 150 °C

R+M Nr.		
202 700 565	coupling KW	M22 M

LTF - Low Trigger Force 90 % reduced holding force and 40 % reduced trigger force against usual market guns.

ST-2700



LTF



Professional gun with patented LTF technology. Stainless steel. Gun for industrial cleaning applications. Max. 310 bar / 45 l/min / 150 °C

R+M Nr.		
202 700 500	1/4" F	3/8" F

ST-2715



LTF



Professional gun with patented LTF technology. Stainless steel. Ceramic ball, chemically resistant valve and acid-resistant stainless steel seal seat. Gun for industrial cleaning applications with abrasive mediums. Max. 350 bar / 45 l/min / 150 °C

R+M Nr.		
202 715 500	1/4" F	3/8" F

ST-2720



LTF



Professional gun with patented LTF technology. Stainless steel. Particularly designed for huge water amounts. Suitable for e.g. communal technology. Max. 125 bar / 80 l/min / 150 °C

R+M Nr.		
202 720 500	1/4" F	3/8" F



Made out of plastics intended to come into contact with foodstuffs according to Regulation (EC) No. 1935/2004. Especially designed for applications in the food industry.



Valves complete



ST-2700

R+M Nr.
202 700 490



ST-2715. Ceramic ball

R+M Nr.
202 700 445



ST-2720

R+M Nr.
202 710 490



ST-2725

R+M Nr.
202 725 490

ST-340 swivels



1/4" F : 1/2" F

R+M Nr.
200 340 050



Repair kit ST-340

R+M Nr.
200 340 100

Symbols outlet inlet

Suttner foam guns

ST-2725 with coupling ST-3100



LTF



Professional gun with patented LTF technology and progressive closing system. Gun with coupling ST-3100. Field of application: foam and rinsing applications in the food industry etc. Stainless steel. Chemically resistant valve piston stainless steel. PEEK seat. Max. 80 bar / 80 l/min / 150 °C

R+M Nr.		
202 725 550	coupling ST-3100	1/2" F swivel

ST-2725



LTF



Professional gun with patented LTF technology and progressive closing system. Field of application: foam and rinsing applications in the food industry etc. Stainless steel. Chemically resistant valve piston stainless steel. PEEK seat. Max. 80 bar / 80 l/min / 150 °C

R+M Nr.		
202 725 535	1/2" F	1/2" F swivel

ST-2720



LTF



Professional gun with patented LTF technology. Stainless steel. Suitable for e.g. huge water amounts in the food industry. PEEK valve cone enables use in low pressure. Max. 125 bar / 80 l/min / 150 °C

R+M Nr.		
202 720 530	3/8" F	1/2" F

ST-2720 with coupling ST-3100



LTF



Professional gun with patented LTF technology. Gun with coupling ST-3100. Stainless steel. Suitable for e.g. huge water amounts in the food industry. PEEK valve cone enables use in low pressure. Max. 125 bar / 80 l/min / 150 °C

R+M Nr.		
202 720 550	coupling ST-3100	1/2" F swivel

ST-2620



LTF

Professional gun with patented LTF technology. Gun with insulated stainless steel lance 300 mm and nozzle 50° 200. Gun brass. Lance stainless steel. Field of application: foam applications in the prewash of vehicles etc. Max. 125 bar / 80 l/min / 150 °C

R+M Nr.		
202 620 910	nozzle 50° 200	1/2" F swivel

Wall mount



Stainless steel. Wall mount for Suttner high pressure guns with lance or twin lance

R+M Nr.
040 002 055



Made out of plastics intended to come into contact with foodstuffs according to Regulation (EC) No. 1935/2004. Especially designed for applications in the food industry.



LTF - Low Trigger Force 90 % reduced holding force and 40 % reduced trigger force against usual market guns.

Suttner foam guns

ST-3100



Professional gun with progressive closing system. Gun with coupling ST-3100. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 60 bar / 100 l/min / 150 °C

R+M Nr.		
203 100 805	coupling ST-3100	1/2" F swivel



Professional gun with progressive closing system. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 60 bar / 100 l/min / 150 °C

R+M Nr.		
203 100 840	3/8" F	1/2" F



Professional gun with progressive closing system. Gun with coupling ST-3100. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 60 bar / 100 l/min / 150 °C

R+M Nr.		
203 100 810	coupling ST-3100	1/2" F

ST-3100



Professional gun with progressive closing system. Gun with coupling ST-3100. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 60 bar / 100 l/min / 150 °C

R+M Nr.		
203 100 820	coupling ST-3100	1/2" F

ST-340



1/2" M : 1/2" F

R+M Nr.
200 340 010



Repair kit ST-340

R+M Nr.
200 340 100

ST-3100



Seal kit

R+M Nr.
203 100 400

ST-3300



Seal kit

R+M Nr.
203 300 490

ST-3300



Professional high-flow gun. Gun with coupling ST-45. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Max. 150 bar / 100 l/min / 150 °C

R+M Nr.		
203 300 500	coupling ST-45	1/2" F



Professional high-flow gun. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Max. 150 bar / 100 l/min / 150 °C

R+M Nr.		
203 300 510	1/2" F	1/2" F

Lance holder



Stainless steel. Wall mount for 5 lances

R+M Nr.
040 003 830

Symbols length inlet outlet ISO insulation M material D nozzle weight C colour

Suttner foam guns, ST-3225



Professional hp gun with progressive closing system and coupling ST-3100. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 60 bar / 120 l/min / 100 °C

R+M Nr.	⊖	⊕
203 225 550	coupling ST-3100	1/2" F swivel



Professional hp gun with progressive closing system. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 60 bar / 120 l/min / 100 °C

R+M Nr.	⊖	⊕
203 225 545	1/2" F	1/2" F swivel



Professional hp gun with coupling ST-3100. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 60 bar / 120 l/min / 100 °C

R+M Nr.	⊖	⊕
203 225 540	coupling ST-3100	1/2" F swivel



Professional gun with progressive closing system, locking in opened position and coupling ST-3100. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 24.5 bar / 120 l/min / 100 °C

R+M Nr.	⊖	⊕
203 225 650	coupling ST-3100	1/2" F swivel



Professional gun with progressive closing system and locking in opened position. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 24.5 bar / 120 l/min / 100 °C

R+M Nr.	⊖	⊕
203 225 645	1/2" F	1/2" F swivel



Professional gun with locking in opened position and coupling ST-3100. Stainless steel. Field of application: foam and rinsing applications in the food industry etc. Industry standard. Max. 24.5 bar / 120 l/min / 100 °C

R+M Nr.	⊖	⊕
203 225 640	coupling ST-3100	1/2" F swivel

Foam lances

ST-74 foam lances with air injector



1/4" F. Foam lance stainless steel with air injector and stainless steel socket with nozzle 40° 150. Max. 90 °C

R+M Nr.	D	air injector	⊖	M	↔
200 074 505	2.1 mm	0.8 kg	stainless steel	530 mm	
200 074 500	2.3 mm	0.8 kg	stainless steel	530 mm	



Plug KW. Foam lance stainless steel with air injector and stainless steel socket with nozzle 40° 150. Max. 90 °C

R+M Nr.	D	air injector	⊖	M	↔
200 074 506	2.1 mm	0.8 kg	stainless steel	530 mm	
200 074 501	2.3 mm	0.8 kg	stainless steel	530 mm	

Foam lances ST-3100



Plug ST-3100. Foam lance stainless steel 300 mm with foam nozzle 50° 200

R+M Nr.	D	ISO	M	↔
203 100 630	50° 200	-	stainless steel	300 mm

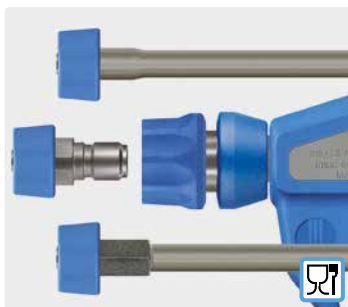
Foam lances ST-3300



Plug ST-45. Foam lance stainless steel with nozzle protector and nozzle 50° 200

R+M Nr.	D	ISO	M	↔
203 300 300	nozzle 50° 200	-	stainless steel	255 mm

Nozzle protector ST-11



- » The nozzle protector ST-11 is suitable for nozzles 1/4" M.
- » Made out of plastics intended to come into contact with foodstuffs according to Regulation (EC) No. 1935/2004.
- » It is clamped undetachably between the nozzle and the nozzle sleeve.

R+M Nr.	C
020 001 124	white
020 001 149	blue
020 001 121	red
020 001 122	green

R+M Nr.	C
020 001 123	yellow
020 001 157	grey
020 001 158	black

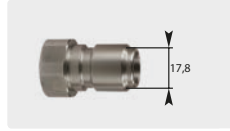
Foam lances

Spare parts ST-3100



Plug ST-3100 with foam nozzle 50° 200

R+M Nr.
502 808



Plug : 1/2" F.
Stainless steel.
Max. 250 bar / 150 °C

R+M Nr.	ⓘ
040 005 661	47 mm



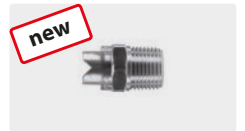
Nozzle protector

R+M Nr.
020 001 148



1/2" M. Brass. Foam nozzle

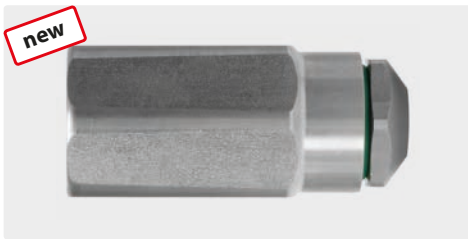
R+M Nr.	Ⓚ
502 803 1	50° 200
626 304	65° 100



1/2" M. Stainless steel. Foam nozzle

R+M Nr.	Ⓚ
502 803 19	50° 200

Spare parts nozzle head



3/8" F : 1/4" F. Stainless steel. Nozzle head without nozzle

R+M Nr.
200 072 491



3/8" M. Stainless steel

R+M Nr.	Ⓚ
623 401 509	40° 150



3/8" M. Stainless steel. For lance ST-72.1 / 72

R+M Nr.	Ⓚ
120 501 204	50° 120

Spare parts



Plastic. Stainless steel

R+M Nr.
200 010 740



2 x 1/4" F : 1/4" F. ST-58 change-over valve. Max. 350 bar / 45 l/min

R+M Nr.
200 058 600



1/4" F : 1/4" F. Stainless steel. Socket

R+M Nr.
040 004 100



1/4" F NPT : 3/8" F. Stainless steel. Socket

R+M Nr.
710 101 350

Rinsing lances ST-3100



Plug ST-3100. Lance stainless steel with moulded handle and stainless steel socket without nozzle

R+M Nr.	Ⓚ	Ⓚ	Ⓚ
203 100 605	1/4" F	400 mm	800 mm

Plug ST-3100. Plug with nozzle protector ST-10 and nozzle 40° 30

R+M Nr.
502 807

Symbols ⊖ outlet ⇄ length ISO insulation Ⓚ nozzle DN nominal diameter ⊙ thread VPE packing unit ⓘ height

Suttner high pressure quick couplings ST-3100

Couplings and plug ST-3100



Coupling : F. Stainless steel.
Max. 250 bar / 150 °C

⊙	DN
1/4"	10
3/8"	12
1/2"	12

R+M Nr.	ⓘ
203 100 466	44 mm
203 100 461	44 mm
203 100 460	44 mm



Coupling : F. Stainless steel.
Max. 250 bar / 150 °C

R+M Nr.	ⓘ
203 100 456	50 mm
203 100 455	50 mm



Coupling : M. Stainless steel.
60° cone. Max. 250 bar / 150 °C

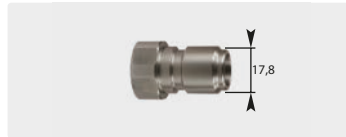
R+M Nr.	ⓘ
203 100 653	47 mm
203 100 474	50 mm
203 100 655	45 mm



Coupling : M. Stainless steel.
60° cone. Max. 250 bar / 150 °C

⊙	DN
1/4"	10
3/8"	12
1/2"	12

R+M Nr.	ⓘ
203 100 652	53 mm
203 100 473	55 mm
203 100 656	54 mm



Plug : F. Stainless steel.
Max. 250 bar / 150 °C

R+M Nr.	ⓘ
040 005 665	35 mm
040 005 667	41 mm
040 005 661	47 mm



Plug : M. Stainless steel. 60° cone.
Max. 250 bar / 150 °C

R+M Nr.	ⓘ
040 005 668	47 mm
040 005 662	47 mm



Plug : F. Hardened stainless steel.
Max. 250 bar / 150 °C

⊙	DN
1/4"	10
3/8"	12
1/2"	12

R+M Nr.	ⓘ
040 005 465	35 mm
040 005 467	41 mm
040 005 461	47 mm



Plug : M. Hardened stainless steel.
60° cone. Max. 250 bar / 150 °C

R+M Nr.	ⓘ
040 005 459	47 mm
040 005 462	47 mm



Plug : F. Stainless steel. For moulded
handles. Max. 250 bar / 150 °C

R+M Nr.	ⓘ
040 005 664	40 mm



Plug : F. Stainless steel + brass.
Max. 250 bar / 150 °C

⊙	DN
M22	10

R+M Nr.	ⓘ
203 100 665	56 mm



Coupling : M. Stainless steel.
Max. 250 bar / 150 °C

R+M Nr.	ⓘ
203 100 660	57 mm



O-ring. 15.1x2.7

R+M Nr.	VPE
551 502 42	1
791 512 710	100



O-ring. 18x2

R+M Nr.	VPE
551 502 43	1
791 821 00	100

Couplings "B"



Coupling : F. Stainless steel.
Max. 150 bar / 90 °C

⊙	DN
1/2"	11

R+M Nr.	ⓘ
710 247 212 000	35 mm



Plug : M. Stainless steel.
Max. 150 bar / 90 °C

R+M Nr.	ⓘ
710 247 112 100	44 mm



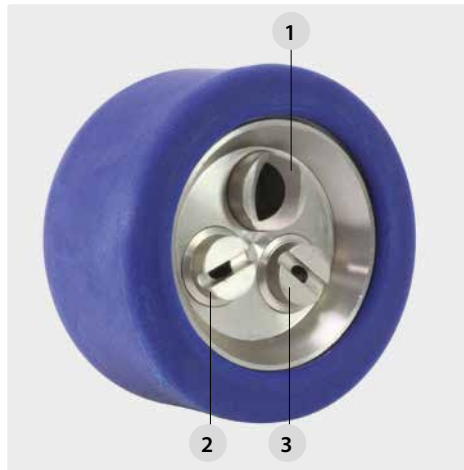
O-ring. 13x2

R+M Nr.	ⓘ
791 32	

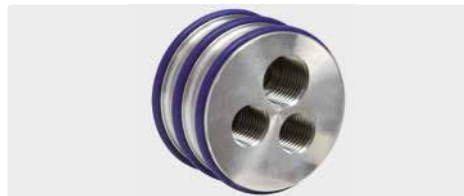
Triple nozzle

Triple nozzle holder stainless steel. By easily turning the head there are 3 nozzles selectable: foam, rinsing and disinfection for the food industry. Max. 200 bar

- 1 foam nozzle 50° 150
- 2 rinsing nozzle 25° 15
- 3 disinfection nozzle 60° 30



R+M Nr.	Ⓒ
657 650 0	1/2" M



Triple nozzle holder stainless steel. By easily turning the head there are 3 nozzles with 1/4" BSP selectable. Max. 200 bar

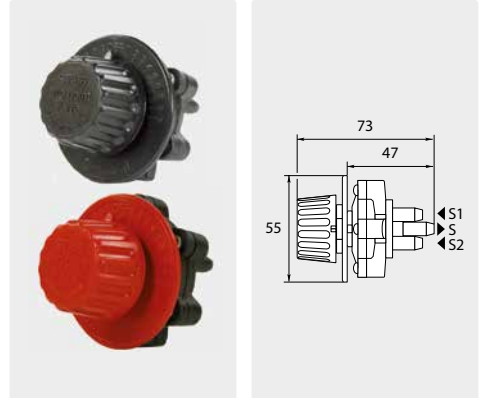
R+M Nr.	Ⓒ
657 652 0	1/2" M

Triple nozzle holder stainless steel. By easily turning the head there are 2 nozzles with 1/4" BSP and 1 nozzle with 3/8" BSP selectable. Max. 200 bar

R+M Nr.	Ⓒ
657 651 0	1/2" M

Metering valves

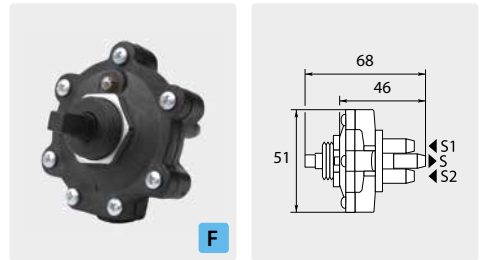
ST-66 with check valve



S = barb to pump. S1 = input barb 1. S2 = input barb 2

R+M Nr.	TYP
200 066 500	knob black
200 066 501	knob red

ST-66 without check valve



S = barb to pump. S1 = input barb 1. S2 = input barb 2

R+M Nr.	TYP
200 066 515	without knob

Foam nozzle

AG BSP			
R+M Nr.	D	TYP	Ⓒ
120 501 204	120	50°	3/8" M



Water reduction stainless steel

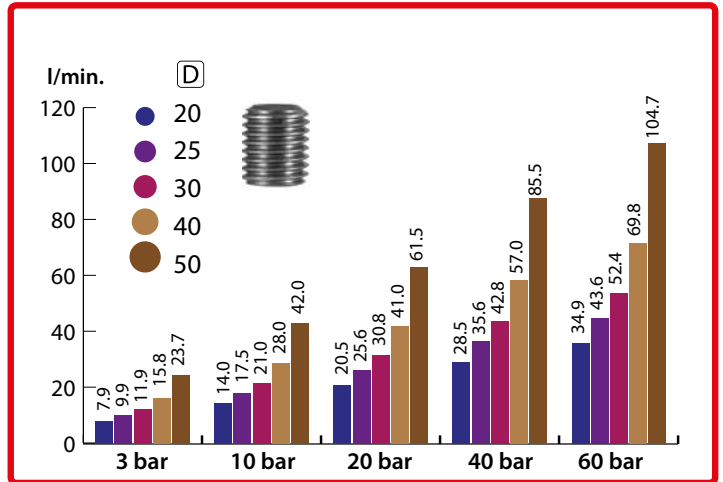


R+M Nr.	P	°C	⊙	I
710 000 000 500	400 bar	150° C	1/2" M: 1/2" F	55 mm

R+M Nr.	D	⊙*
710 000 000 027	20	2.7
710 000 000 031	25	3.1
710 000 000 033	30	3.3
710 000 000 038	40	3.8
710 000 000 048	60	4.8

Water reduction inserts, stainless steel

* hole diameter in mm



Symbols DN nominal diameter TYP type Ⓒ inlet ⊕ length BP burst pressure P pressure ⊗ wall thickness mm I height ⊙ thread D nozzle

Foodjet - food hose with textile meshwork

Foodjet - high pressure hose according to DIN EN 854. Particularly resistant to animal and poultry fats

- » Field of application: cleaning hose designed for the poultry processing industry
- » Suitable for: oil, water, water-in-oil emulsion and water mixes with up to 50 % detergent

- » Surface synthetic rubber. Particularly abrasion-, oil-, ozone-resistant, weatherproof
- » Interior synthetic, oil-resistant rubber
- » 1 tight textile meshwork
- » Max. 80 bar. Burst pressure > 240 bar. -40 °C - +150 °C

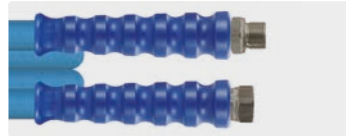
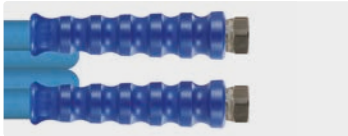
Female thread DKR

Male thread (AGR)

Male thread (AGR) : DKR

Foodjet per metre

1/2" : 1/2"



Fittings stainless steel

Fittings stainless steel

Fittings stainless steel

R+M Nr.	↔	
490 056 002 59	2.5 m	
490 056 010 9	10.0 m	
490 056 015 9	15.0 m	
490 056 020 9	20.0 m	
490 056 025 9	25.0 m	
490 056 030 9	30.0 m	
490 056 035 9	35.0 m	
490 056 040 9	40.0 m	

R+M Nr.	↔	
490 046 002 59	2.5 m	
490 046 010 9	10.0 m	
490 046 015 9	15.0 m	
490 046 020 9	20.0 m	
490 046 025 9	25.0 m	
490 046 030 9	30.0 m	
490 046 035 9	35.0 m	
490 046 040 9	40.0 m	

R+M Nr.	↔	
490 057 002 59	2.5 m	
490 057 610 9	10.0 m	
490 057 615 9	15.0 m	
490 057 620 9	20.0 m	
490 057 625 9	25.0 m	
490 057 630 9	30.0 m	
490 057 635 9	35.0 m	
490 057 640 9	40.0 m	

R+M Nr.	↔	DN
303 60	10 - 95 m	12

blufood® - food hose

blufood® - Food hose according to (EC)2002/72, (EU) 10/2011, (EG) 1935/2004 and (EG) 2023/2006. Designed for industrial foam applications

- » Field of application: foam hose and pre-spraying hose in the food industry. Suitable for contact with liquid food products
- » Suitable for water and water mixes of usual cleaning detergents
- » PVC hose with five layers and a smooth surface

- » Reinforcing by twofold textile meshwork
- » -20 °C - +70 °C

Female thread DKR

Male thread (AGR)

ST-3100 Coupling : Plug

Screw fittings for blufood®

1/2" : 1/2"



1/2" M with 60° cone. Stainless steel. Max. 50 bar

Fittings stainless steel

Fittings stainless steel

Coupling ST-3100 : plug ST-3100

R+M Nr.	↔	
475 056 602 59	2.5 m	
475 056 610 9	10.0 m	
475 056 615 9	15.0 m	
475 056 620 9	20.0 m	
475 056 625 9	25.0 m	
475 056 630 9	30.0 m	
475 056 635 9	35.0 m	
475 056 640 9	40.0 m	

R+M Nr.	↔	
475 046 602 59	2.5 m	
475 046 610 9	10.0 m	
475 046 615 9	15.0 m	
475 046 620 9	20.0 m	
475 046 625 9	25.0 m	
475 046 630 9	30.0 m	
475 046 635 9	35.0 m	
475 046 640 9	40.0 m	

R+M Nr.	↔	
475 012 262 09	20 m	
475 012 262 59	25 m	
475 012 263 09	30 m	

R+M Nr.	DN
329 012 129	12



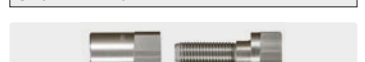
1/2" F with 60° cone. Stainless steel. Max. 50 bar

blufood® per metre

R+M Nr.	DN	↔	⊗	P 20 °C	P 70 °C	BP 20 °C	⊞
303 70	12	10 - 100 m	5	50 bar	30 bar	≥ 240 bar	0.32 kg
303 700 019	19	10 - 60 m	6	40 bar	15 bar	≥ 200 bar	0.61 kg

Made out of plastics intended to come into contact with foodstuffs according to Regulation (EC) No. 1935/2004. Especially designed for applications in the food industry.

R+M Nr.	DN
329 112 129	12



1/2" F. Stainless steel. Max. 50 bar. Flat sealing

R+M Nr.	DN
329 312 129	12

Fittings for blufood®



Detachable fitting. 3/4" F. Stainless steel. Max. 50 bar

R+M Nr.	DN
574 734 009	19



Hose barb 3/4" M. 60° cone. Stainless steel. Max. 50 bar

R+M Nr.	DN
711 341 909	19

Foodjet 1500 - food hose with textile meshwork

Foodjet 1500 - High pressure hose according to DIN EN 854. Particularly resistant to animal and poultry fats

- » Field of application: cleaning hose designed for the poultry processing industry
- » Suitable for: oil, water, water-in-oil emulsion and water mixes with up to 50 % detergent

- » Surface synthetic rubber. Particularly abrasion-, oil-, ozone-resistant and weatherproof.
- » Interior synthetic, oil-resistant rubber
- » 1 tight textile meshwork
- » Max. 125 bar. Burst pressure > 375 bar. -40 °C - +150 °C

Female thread DKR

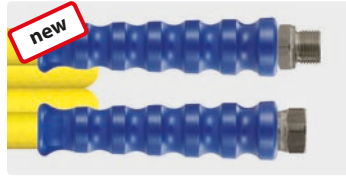
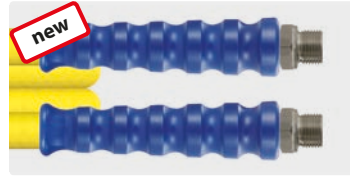
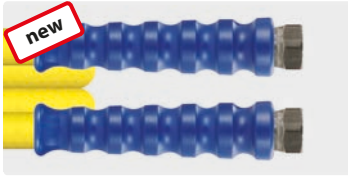
Male thread (AGR)

Male thread (AGR) : DKR

Foodjet 1500 per metre

1/2" : 1/2"

DN 12



R+M Nr.	↔
303 601 500	70 - 100 m

Fittings stainless steel

Fittings stainless steel

Fittings stainless steel

R+M Nr.	↔
490 445 660 259	2.5 m
490 445 661 09	10.0 m
490 445 661 59	15.0 m
490 445 662 09	20.0 m
490 445 662 59	25.0 m
490 445 663 09	30.0 m
490 445 663 59	35.0 m
490 445 664 09	40.0 m

R+M Nr.	↔
490 444 660 259	2.5 m
490 444 661 09	10.0 m
490 444 661 59	15.0 m
490 444 662 09	20.0 m
490 444 662 59	25.0 m
490 444 663 09	30.0 m
490 444 663 59	35.0 m
490 444 664 09	40.0 m

R+M Nr.	↔
490 445 760 259	2.5 m
490 445 761 09	10.0 m
490 445 761 59	15.0 m
490 445 762 09	20.0 m
490 445 762 59	25.0 m
490 445 763 09	30.0 m
490 445 763 59	35.0 m
490 445 764 09	40.0 m

Fittings zinc-plated steel

Fittings zinc-plated steel

Fittings zinc-plated steel

R+M Nr.	↔
490 445 660 25	2.5 m
490 445 661 0	10.0 m
490 445 661 5	15.0 m
490 445 662 0	20.0 m
490 445 662 5	25.0 m
490 445 663 0	30.0 m
490 445 663 5	35.0 m
490 445 664 0	40.0 m

R+M Nr.	↔
490 444 660 25	2.5 m
490 444 661 0	10.0 m
490 444 661 5	15.0 m
490 444 662 0	20.0 m
490 444 662 5	25.0 m
490 444 663 0	30.0 m
490 444 663 5	35.0 m
490 444 664 0	40.0 m

R+M Nr.	↔
490 445 760 25	2.5 m
490 445 761 0	10.0 m
490 445 761 5	15.0 m
490 445 762 0	20.0 m
490 445 762 5	25.0 m
490 445 763 0	30.0 m
490 445 763 5	35.0 m
490 445 764 0	40.0 m

PURClean365+® - food hose



PURClean365+® - Food hose according to (EG) 1935/2004, (EU) 10/2011 and (EG) 2023/2006. Designed for industrial foam applications

- » Field of application: foam hose and pre-spraying hose in the food industry. Suitable for contact with liquid food products
- » Suitable for water and water mixes of usual cleaning detergents

- » PVC hose with three layers and a smooth surface
- » Increased 1-layer rot-proof textile mesh.
- » About 20 % lighter and more flexible than comparable hose types

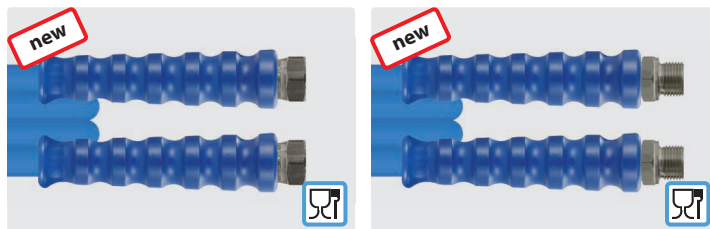
PURClean365+® 40

Female thread DKR

Male thread (AGR)

1/2" : 1/2"

-20 °C - 70 °C. Fittings stainless steel



R+M Nr.	↔
476 056 602 59	2.5 m
476 056 610 9	10.0 m
476 056 615 9	15.0 m
476 056 620 9	20.0 m
476 056 625 9	25.0 m
476 056 630 9	30.0 m
476 056 635 9	35.0 m
476 056 640 9	40.0 m

R+M Nr.	↔
476 046 602 59	2.5 m
476 046 610 9	10.0 m
476 046 615 9	15.0 m
476 046 620 9	20.0 m
476 046 625 9	25.0 m
476 046 630 9	30.0 m
476 046 635 9	35.0 m
476 046 640 9	40.0 m

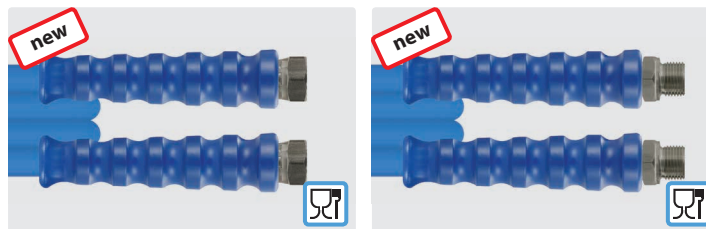
PURClean365+® 100

Female thread DKR

Male thread (AGR)

1/2" : 1/2"

-20 °C - 100 °C. Fittings stainless steel



R+M Nr.	↔
477 056 602 59	2.5 m
477 056 610 9	10.0 m
477 056 615 9	15.0 m
477 056 620 9	20.0 m
477 056 625 9	25.0 m
477 056 630 9	30.0 m
477 056 635 9	35.0 m
477 056 640 9	40.0 m

R+M Nr.	↔
477 046 602 59	2.5 m
477 046 610 9	10.0 m
477 046 615 9	15.0 m
477 046 620 9	20.0 m
477 046 625 9	25.0 m
477 046 630 9	30.0 m
477 046 635 9	35.0 m
477 046 640 9	40.0 m

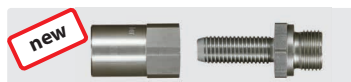
PURClean365+® 40 per metre

R+M Nr.	DN	↔	⊗	P 20 °C	P 70 °C	BP 20 °C	⊞
303 660 40	12	10 - 100 m	4.5	100 bar	45 bar	≥ 250 bar	0.25 kg

PURClean365+® 100 per metre

R+M Nr.	DN	↔	⊗	P 20 °C	P 100 °C	BP 20 °C	⊞
303 661 00	12	10 - 100 m	4.5	40 bar	18 bar	≥ 200 bar	0.25 kg

Screw fittings for PURClean365+®



1/2" M with 60° cone. Stainless steel. Max. 50 bar

R+M Nr.	DN
329 412 129	12



1/2" F with 60° cone. Stainless steel. Max. 50 bar

R+M Nr.	DN
329 512 129	12



1/2" F. Stainless steel. Max. 50 bar. Flat sealing

R+M Nr.	DN
329 612 129	12

Symbols ↔ length DN nominal diameter P pressure ⊗ wall thickness BP burst pressure ⊞ outlet ⊕ inlet ISO insulation TYP type

Foam lances

Lances with female thread



1/4" M. Lance with moulded handle Cool & Compact. Comfortable grip and ergonomic shape. Heat-proof insulation. Max. 400 bar / 150 °C

R+M Nr.	☉	ISO	↔	M	R+M Nr.
200 129 140	1/4" F BSP	300 mm	500 mm	stainless steel	
200 129 145	1/4" F BSP	400 mm	700 mm	stainless steel	
200 129 150	1/4" F BSP	400 mm	800 mm	stainless steel	



1/4" M. Lance. Max. 400 bar / 150 °C

R+M Nr.	☉	↔	M	R+M Nr.
070 000 097	1/4" F BSP	100 mm	stainless steel	
070 000 098	1/4" F BSP	150 mm	stainless steel	
070 000 099	1/4" F BSP	200 mm	stainless steel	
070 000 095	1/4" F BSP	250 mm	stainless steel	
070 000 101	1/4" F BSP	350 mm	stainless steel	

Rubber protected ball valves



Stainless steel.
Max. 60 bar / 95 °C

R+M Nr.	☉	☉
500 155	1/2" F	ST-3100



Stainless steel.
Max. 60 bar / 95 °C

R+M Nr.	☉	☉
500 150	1/2" F	1/2" F



Stainless steel.
Max. 60 bar / 95 °C

R+M Nr.	☉	☉
500 160	1/2" F	1/2" F

Ball valves



Ball valve with safety guard. Stainless steel.
Max. 140 bar / 80 °C

R+M Nr.	☉	☉
203 100 200	1/2" F	ST-3100



Ball valve with safety guard. Stainless steel.
Max. 140 bar / 80 °C

R+M Nr.	☉	☉
203 100 210	ST-3100	ST-3100

Foam lances

ST-72 foam lances with air injector



1/4" M. Foam lance stainless steel with air injector, vented handle ST-9 380 mm, grip and stainless steel socket with nozzle. A foam injector is required. Max. 250 bar / 80 °C

R+M Nr.	D*	☰	C**	☰
200 072 500	2.0 mm	< 15 l/min	green	600 mm
200 072 510	2.3 mm	< 20 l/min	yellow	600 mm
200 072 511***	2.7 mm	< 26 l/min	blue	600 mm
200 072 520	3.2 mm	> 26 l/min	red	600 mm

R+M Nr.	D*	☰	C**	☰
200 072 600***	2.0 mm	< 15 l/min	green	1200 mm
200 072 610	2.3 mm	< 20 l/min	yellow	1200 mm
200 072 620	3.2 mm	> 26 l/min	red	1200 mm



M22 F. Foam lance stainless steel with air injector, vented handle ST-9 380 mm, grip and stainless steel socket with nozzle. A foam injector is required. Max. 250 bar / 80 °C

R+M Nr.	D*	☰	C**	☰
200 072 504	2.0 mm	< 15 l/min	green	600 mm
200 072 514	2.3 mm	< 20 l/min	yellow	600 mm
200 072 524	3.2 mm	> 26 l/min	red	600 mm

R+M Nr.	D*	☰	C**	☰
200 072 614	2.3 mm	< 20 l/min	yellow	1,200 mm
200 072 624	3.2 mm	> 26 l/min	red	1,200 mm



Plug KW. Foam lance stainless steel with air injector, vented handle ST-9 380 mm, grip and stainless steel socket with nozzle. A foam injector is required. Max. 250 bar / 80 °C

R+M Nr.	D*	☰	C**	☰
200 072 502	2.0 mm	< 15 l/min	green	600 mm
200 072 512	2.3 mm	< 20 l/min	yellow	600 mm
200 072 522	3.2 mm	> 26 l/min	red	600 mm

R+M Nr.	D*	☰	C**	☰
200 072 612	2.3 mm	< 20 l/min	yellow	1,200 mm
200 072 622	3.2 mm	> 26 l/min	red	1,200 mm



1/4" M. Foam lance with air injector, vented handle ST-9 380 mm, grip and plastic socket with nozzle. A foam injector is required. Stainless steel and plastic intended to come into contact with foodstuffs according to Regulation 1935 / 2004 / EG. Max. 250 bar / 80 °C

R+M Nr.	D*	☰	C**	☰
200 072 635	2.3 mm	< 20 l/min	yellow	600 mm

R+M Nr.	D*	☰	C**	☰

Foam lances

ST-72.1 foam lances with air injector



1/4" M. Foam lance stainless steel with air injector, vented handle ST-9.9 330 mm, grip and stainless steel socket with nozzle. A foam injector is required. Max. 250 bar / 80 °C

R+M Nr.	D*	☰	C**	☰
200 072 633	2.0 mm	< 15 l/min	green	600 mm
200 072 625	2.3 mm	< 20 l/min	yellow	600 mm
200 072 627	2.7 mm	< 26 l/min	blue	600 mm
200 072 629	3.2 mm	> 26 l/min	red	600 mm

R+M Nr.	D*	☰	C**	☰
200 072 634	2.0 mm	< 15 l/min	green	1,200 mm
200 072 626	2.3 mm	< 20 l/min	yellow	1,200 mm
200 072 628***	2.7 mm	< 26 l/min	blue	1,200 mm
200 072 631	3.2 mm	> 26 l/min	red	1,200 mm



M22 F. Foam lance stainless steel with air injector, vented handle ST-9.9 380 mm, grip and stainless steel socket with nozzle. A foam injector is required. Max. 250 bar / 80 °C

R+M Nr.	D*	☰	C**	☰
200 072 636	2.0 mm	< 15 l/min	green	600 mm
200 072 639	2.3 mm	< 20 l/min	yellow	600 mm
200 072 642	2.7 mm	< 26 l/min	blue	600 mm
200 072 644	3.2 mm	> 26 l/min	red	600 mm

R+M Nr.	D*	☰	C**	☰
200 072 637	2.0 mm	< 15 l/min	green	1,200 mm
200 072 641	2.3 mm	< 20 l/min	yellow	1,200 mm
200 072 643	2.7 mm	< 26 l/min	blue	1,200 mm
200 072 645	3.2 mm	> 26 l/min	red	1,200 mm



Plug KW. Foam lance stainless steel with air injector, vented handle ST-9.9 380 mm, grip and stainless steel socket with nozzle. A foam injector is required. Max. 250 bar / 80 °C

R+M Nr.	D*	☰	C**	☰
200 072 646	2.0 mm	< 15 l/min	green	600 mm
200 072 648	2.3 mm	< 20 l/min	yellow	600 mm
200 072 651	2.7 mm	< 26 l/min	blue	600 mm
200 072 653	3.2 mm	> 26 l/min	red	600 mm

R+M Nr.	D*	☰	C**	☰
200 072 647	2.0 mm	< 15 l/min	green	1,200 mm
200 072 649	2.3 mm	< 20 l/min	yellow	1,200 mm
200 072 652	2.7 mm	< 26 l/min	blue	1,200 mm
200 072 654	3.2 mm	> 26 l/min	red	1,200 mm

* air injector ** nozzle protector *** limited stock

Symbols ☰ length D nozzle ☰ flow C colour

Foam head ST-75

By means of the foam head ST-75 different foam applications are possible as the air injector nozzle is easily exchangeable and adaptable. The flat spray nozzle can be infinitely adapted from the vertical position to the horizontal one. The maximum flow is dependent on the chosen nozzle size. By means of the integrated air injector in the foam head the air is sucked in on the face side. Independent of the length of the lance a constant foam quality is guaranteed. The spraying result is especially even as a high quality foam nozzle insert is used.
Max. 350 bar / 100 °C



Stainless steel. ST-75 with nozzle.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 514	1.60	1/4" F
200 075 515	1.90	1/4" F



Brass. ST-75 with nozzle.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 574	1.20	1/4" F
200 075 576	1.35	1/4" F
200 075 577	1.45	1/4" F
200 075 572	1.60	1/4" F
200 075 575	1.75	1/4" F
200 075 573	1.90	1/4" F



Brass. ST-75 with nozzle.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 554	1.20	1/4" F
200 075 552	1.60	1/4" F
200 075 553	1.90	1/4" F



Brass. ST-75 with nozzle.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 562	1.60	1/4" F
200 075 563	1.90	1/4" F



Stainless steel. ST-75 with nozzle.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 512	1.60	M18 F
200 075 513	1.90	M18 F



Brass. ST-75 with nozzle.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 570	1.60	M18 F
200 075 571	1.90	M18 F



Brass. ST-75 with nozzle.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 550	1.60	M18 F
200 075 551	1.90	M18 F



Brass. ST-75 with nozzle.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 560	1.60	M18 F
200 075 561	1.90	M18 F



Air injector nozzle

R+M Nr.	∅*	D
200 075 401	1.05	03
200 075 402	1.10	035
200 075 403	1.20	04
200 075 405	1.35	05
200 075 425	1.40	055
200 075 406	1.45	06
200 075 427	1.55	07
200 075 407	1.60	075
200 075 408	1.70	08
200 075 410	1.90	10
200 075 413	2.10	13
200 075 415	2.30	15
200 075 420	2.65	20



Stainless steel. ST-75.1 with nozzle and without foam pad.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 600	1.60	M18 F
200 075 601	1.90	M18 F



Brass. ST-75.1 without nozzle and without foam pad.
Max. 350 bar / 80 °C

R+M Nr.	⊕
200 075 482	M 18 F
200 075 493	1/4" F



Brass. ST-75.1 without nozzle and without foam pad.
Max. 350 bar / 80 °C

R+M Nr.	⊕
200 075 486	M18 F



Stainless steel. ST-75.1 with nozzle and without foam pad.
Max. 350 bar / 100 °C

R+M Nr.	∅*	⊕
200 075 602	1.60	1/4" F
200 075 603	1.90	1/4" F



1/4" F : M18 M. Nozzle holder EG.

R+M Nr.	⊕
010 000 043	Brass
040 000 041	Stainless steel



O-ring. 10x2. Viton

R+M Nr.	VPE
790 20	1
790 201 00	100



Foam pad

R+M Nr.
540 500 09

* hole diameter in mm
** nozzle size in mm

Long cast foam head ST-75.2



With adjustable air-intake. Max. 150 bar / 90 °C

R+M Nr.	∅*	ⓐ	l/min.
200 075 800 001	1.55	1/4" F	11
200 075 800 002	1.60	1/4" F	12-14
200 075 800 003	1.90	1/4" F	14-17
200 075 800 004	2.10	1/4" F	18-20
200 075 800 005	2.30	1/4" F	21-22
200 075 800 006	2.30	1/4" F	23-27
200 075 800 007	2.65	1/4" F	28-30
200 075 810 001	2.65	1/4" F	31-40



foamblaster ST-76

The foamblaster ST-76 is designed for applications in agriculture, industry, municipal cleaning and fire fighting technology.

There are injector nozzles with diameters of up to 2.8 mm for high flow rates available for all **easyfoam365+** stainless steel injectors ST-160, ST-164, ST-166 and ST-167.

Material: stainless steel / plastic.

Min. 70 bar for use in combination with an **easyfoam365+** injector unit.

Min. 30 bar for use with water / foamagent premix.

Max. 250 bar / 20 - 60 l/min / 100 °C

R+M Nr.	D**	ⓐ
200 076 615	2.3	1/2" F
200 076 618	2.6	1/2" F
200 076 621	2.8	1/2" F
200 076 600	2.9	1/2" F
200 076 624	3.0	1/2" F
200 076 630	3.3	1/2" F
200 076 633	3.5	1/2" F



Micro Droplets Nozzle Holder

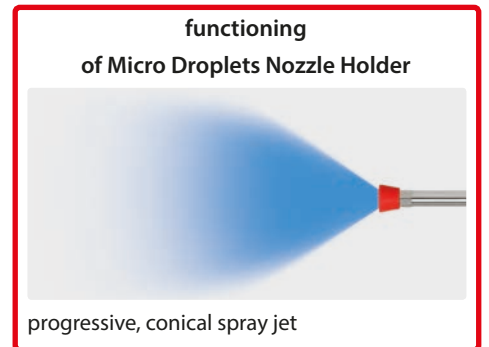
Fields of application:

Disinfection, humidification, cooling, dust suppression, decontamination, odor control in agricultural, food and construction industry, defence and firefighting technology, car washing and detailing



ST-78. Stainless steel

R+M Nr.	ⓐ
200 078 830	1/4" F



ST-175 Foam & Clean

The change-over lance ST-175 Foam & Clean is the ideal accessory for Suttner's foam injector line. The innovative change-over technology allows to direct the full flow into either one or the other outlet pipe just by turning the hand wheel at the inlet.

In one position of the hand wheel the flow is directed thru an ST-75 foam head for foaming. After changing over the full flow is directed thru the other pipe and a regular spray nozzle for rinsing.

Appropriate nozzle sizing at chemical injector and ST-175 allows changing from foaming to rinsing right at the lance. ST -175 Foam & Clean is compatible to ST-160 / ST-164 / ST-166 / ST-167.

Due to ST -175's changeable air injector nozzles the lance can be driven with all pressure washers with flow rates from 5 to 25 l/min. Nozzles with integrated jet former are required (page 316).



Twin foam lance with vented handle ST-9 380 mm, change-over valve ST-58, nozzle protector ST-10 without nozzle and foam head ST-75 without nozzle. A foam injector is required.
Max. 350 bar / 45 l/min / 100 °C

R+M Nr.			
200 175 400	1/4" F	-	650 mm



Twin foam lance with vented handle ST-9 205 mm, change-over valve ST-58, ergonomic swivel screw coupling, nozzle protector without tip and foam head ST-75.1 without nozzle. A foam injector is required.
Max. 350 bar / 45 l/min / 100 °C

R+M Nr.			
200 175 411	M22 F	-	420 mm



Twin foam lance with vented handle ST-9 380 mm, change-over lance with 1/4" M and nozzle protector ST-10 without nozzle.
Max. 350 bar / 45 l/min / 100 °C

R+M Nr.			
200 175 510	1/4" F	-	650 mm



Twin foam lance with vented handle ST-9 205 mm, change-over valve ST-58, nozzle protector without tip and foam head ST-75.1 without nozzle. A foam injector is required.
Max. 350 bar / 45 l/min / 100 °C

R+M Nr.			
200 175 412	1/4" F	-	420 mm



Twin foam lance with vented handle ST-9 380 mm, change-over valve ST-58, nozzle protector ST-10 without nozzle and foam head ST-75 with nozzle. A foam injector is required.
Max. 350 bar / 45 l/min / 100 °C

R+M Nr.			
200 175 430	M22 F	1.9	650 mm
200 175 431	M22 F	2.1	650 mm



Twin foam lance with vented handle ST-9 205 mm, change-over valve ST-58, nozzle protector ST-10 without nozzle and foam head ST-75.1 without nozzle. A foam injector is required.
Max. 350 bar / 45 l/min / 100 °C

R+M Nr.			
200 175 414	1/4" F	-	420 mm

easywash365+ foam lances



LTF

Foam lance with **easywash365+** gun standard, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

R+M Nr.	☺	TYP	☺
202 600 918	foam head ST-75 (1.9 mm)	standard	3/8" F swivel



LTF

Foam lance with **easywash365+** gun, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

R+M Nr.	☺	TYP	☺
202 600 911	foam head ST-75 (1.05 mm)	weep version	3/8" F swivel
202 600 949	foam head ST-75 (1.20 mm)	weep version	3/8" F swivel
202 600 909	foam head ST-75 (1.35 mm)	weep version	3/8" F swivel
202 600 917	foam head ST-75 (1.90 mm)	weep version	3/8" F swivel



LTF

Foam lance with **easywash365+** gun, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

R+M Nr.	☺	TYP	☺
202 600 929	foam head ST-75 (1.20 mm)	freeze stop version	3/8" F swivel.
202 600 930	foam head ST-75 (1.35 mm)	freeze stop version	3/8" F swivel
202 600 995	foam head ST-75 (1.70 mm)	freeze stop version	3/8" F swivel
202 600 919	foam head ST-75 (1.90 mm)	freeze stop version	3/8" F swivel

Valves complete - easywash365+



Standard



Weep



Freeze stop

ST-301 swivels



1/4" F : 3/8" F.
easywash365+ guns



Repair kit ST-301

R+M Nr.	202 300 490
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R+M Nr.	202 300 491
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R+M Nr.	202 300 457
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R+M Nr.	200 301 050
---------	-------------

R+M Nr.	200 300 100
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LTF - Low Trigger Force 90 % reduced holding force and 40 % reduced trigger force against usual market guns.

Symbols ☺ inlet ☺ outlet ☺ length ☺ nozzle TYP type

easywash365+ foam sets

By introducing the universally applicable **easywash365+** foam sets we succeeded in enlarging the application possibility of our foam injector family.

The stainless steel injector with high pressure foam lance which is installed via a T-piece between the outlet of the high pressure unit and the original spraying unit is especially designed for the professional cleaning of trucks of shipping or food companies as well as for applications in the industrial foam cleaning.

The connection from injector unit to the high pressure foam lance is realized by an optionally high pressure hose of up to a length of 40 m. The already existing spraying unit is used for cleaning and rinsing

works. Enormous savings of both cleaning agent and time can be achieved as the foam lance has cleaning agent immediately available without switching at the unit or change of equipment.

It is possible to simplify the handling of the construction and to boost efficiency at the same time by integrating two hose reels. This set is suitable for all common high pressure cleaning units for up to 310 bar and max. 90 °C.



LTF

Kr IP K

easywash365+ foam set: easywash365+ foam lance standard with foam head ST-75, injector ST-160 (M22 F and 2 x M22 M) with metering valve ST-161, suction hose 1000 mm and suction filter ST-32. Max. 310 bar / 90 °C

R+M Nr.	↻	Ⓒ
200 160 720	foam head ST-75 (1.9 mm)	3/8" F swivel

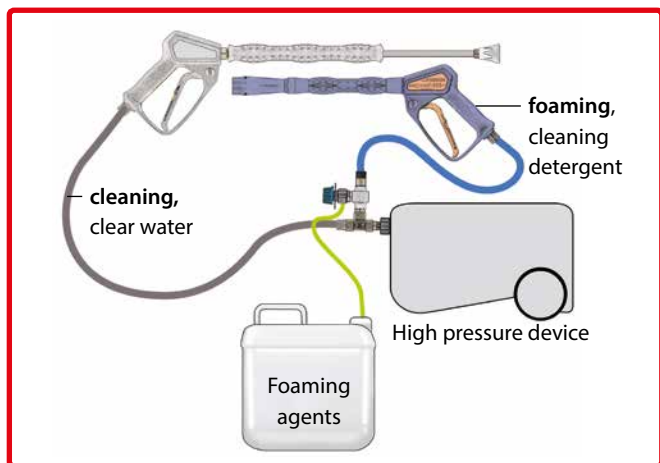


LTF

A

easywash365+ foam set: easywash365+ foam lance standard with foam head ST-75, injector ST-160 (Coupling ST-45-250 nickel-plated brass, plug ST-45-250 zinc-plated steel and M22 M) with metering valve ST-161, suction hose 1000 mm and suction filter ST-32. Max. 250 bar / 90 °C

R+M Nr.	↻	Ⓒ
200 160 725	foam head ST-75 (1.9 mm)	3/8" F swivel



easywash365+ foam sets



LTF

Kr IP K

easywash365+ foam set: easywash365+ spray gun, lance and brush with turbofoam365+ air injector by Suttner and injector ST-160 (M22 F and 2 x M22 M) with metering valve ST-161, suction hose 1,000 mm and suction filter ST-32. Max. 310 bar / 90 °C

R+M Nr.		↔ lance and brush	Ⓢ
502 600 100 000	lance and brush with turbofoam365+ air injector (1.9 mm)	900 mm	3/8" F swivel
502 601 100 000	lance and brush with turbofoam365+ air injector (1.9 mm)	1,200 mm	3/8" F swivel

The following hoses are highly recommended for easywash365+ foam sets

QSC : male thread
M22 : 3/8"



Hoses with single wire braid and wrapped cover

TYP	DN	P	°C	↔	R+M Nr.
1SN	8	315 bar	150 °C	10 m	343 103 310
				15 m	343 103 315
				20 m	343 103 320
				30 m	343 103 330

Symbols Ⓢ inlet Ⓣ outlet DN nominal diameter P pressure °C temperature ↔ length TYP type

turbofoam365+ lances by Suttner

easywash365+ spray gun, lance and brush with turbofoam365+ air injector by Suttner

- » Especially soft cleaning with very soft hog bristles with forked ends
- » Cool & Compact insulation for a comfortable use
- » Ergonomic handling by means of the well-tried easywash365+ spray gun with LTF-technology
- » Available in 2 length: 900 and 1,200 mm
- » Brush with injector is also available as retrofit kit
- » easywash365+ spray gun is obtainable as standard, weep or freeze stop version
- » Lance swivel ST-345 is optionally available
- » Not suitable for powder chemicals



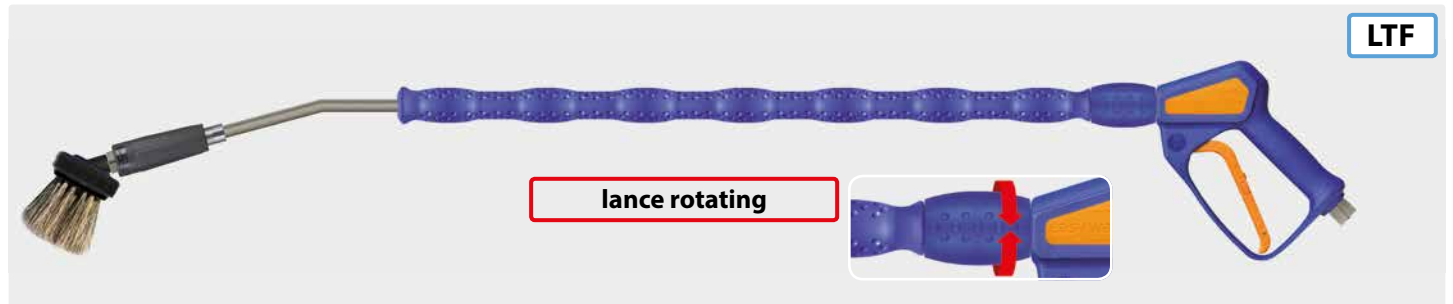
Retrofit kit for lances. Air injector turbofoam365+ and brush with cover plate. 20-150 bar. Max. 50 °C

Bristles 60 mm

R+M Nr.	⊕	⊖
500 023 101	1/4" F	1.20
500 023 102	1/4" F	1.35
500 023 105	1/4" F	1.60

Bristles 90 mm

R+M Nr.	⊕	⊖
500 023 201	1/4" F	1.20
500 023 202	1/4" F	1.35
500 023 205	1/4" F	1.60



LTF

Lance with moulded insulation Cool & Compact, easywash365+ spray gun, easywash365+ lance swivel, air injector turbofoam365+ and brush (bristles 60 mm). 20-150 bar. Max. 50 °C

R+M Nr.	spray gun	D	ISO	⊕	⊖	⊕
502 600 100 05	standard	1.6	700 mm	brush	900 mm	3/8" F swivel
502 610 100 05	weep	1.6	700 mm	brush	900 mm	3/8" F swivel
502 620 100 05	freeze stop	1.6	700 mm	brush	900 mm	3/8" F swivel
502 601 100 05	standard	1.6	700 mm	brush	1,200 mm	3/8" F swivel
502 611 100 05	weep	1.6	700 mm	brush	1,200 mm	3/8" F swivel
502 621 100 05	freeze stop	1.6	700 mm	brush	1,200 mm	3/8" F swivel

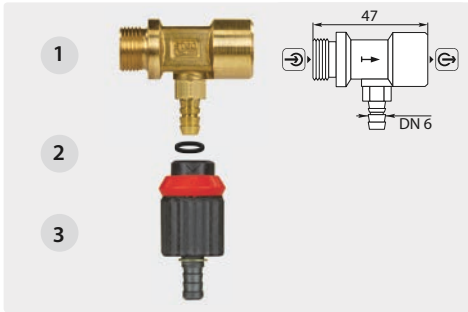


LTF

Lance with moulded insulation Cool & Compact, easywash365+ spray gun, air injector turbofoam365+ and brush (bristles 60 mm). 20-150 bar. Max. 50 °C

R+M Nr.	spray gun	D	ISO	⊕	⊖	⊕
502 600 000 05	standard	1.6	700 mm	brush	900 mm	3/8" F swivel
502 610 000 05	weep	1.6	700 mm	brush	900 mm	3/8" F swivel
502 620 000 05	freeze stop	1.6	700 mm	brush	900 mm	3/8" F swivel
502 601 000 05	standard	1.6	700 mm	brush	1,200 mm	3/8" F swivel
502 611 000 05	weep	1.6	700 mm	brush	1,200 mm	3/8" F swivel
502 621 000 05	freeze stop	1.6	700 mm	brush	1,200 mm	3/8" F swivel

Suttner foam injectors



Max. 250 bar / 60 °C.

Mixing of chemicals approx. 0 - 11.5 %

R+M Nr.	TYP	D	G	⊖
200 060 700	1	ST-60.1	1.6	3/8" M 3/8" F
200 060 710	1	ST-60.1	1.8	3/8" M 3/8" F
050 000 370	2	o-ring		
200 061 500	3	metering valve	hose tail	⊘ 6 mm

Repair kits



Chemical check valve. Hose tail 6 mm

R+M Nr.
200 060 725

Suttner chemical injectors

ST-64 upstream chemical injectors



Injector with shiftable and disengageable chemical dosing. For suction of chemicals in the water inlet of the pump. Mixtures of chemicals/water can be applied by high pressure. Please use the backflow preventer (R+M Nr. 734 10). Hose tail 6 mm. Max. 10 bar / 90 °C

R+M Nr.	⊖	G	⊖
200 064 500	1/2" M	1/2" F	5 - 15 l/min
200 064 510	1/2" M	1/2" F	15 - 30 l/min

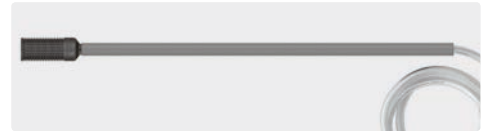
ST-230 Pressure regulating valve-set



ST-230 with connection, ball valve, stainless steel lance 400 mm and hose 1,000 mm. Max. 250 bar / 30 l/min / 95 °C

R+M Nr.	G	⊖
530 404 1	M22 M	M22 F

Suttner chemical suction set



Suction set with suction hose 1,500 mm, suction filters ST-31 and chemical-resistant plastic tube 320 mm. The tube keeps the suction filter at the deepest point.

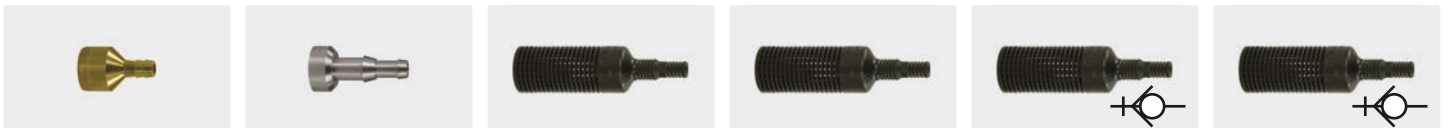
R+M Nr.	TYP	DN
200 031 500	clear PVC hose	6 mm
200 031 510	reinforced PVC hose blue	9 mm
200 031 520	reinforced PVC hose yellow	9 mm
200 031 530	reinforced PVC hose clear	9 mm



Suction set with filter check valve ST-32 and stainless steel tube 350 mm.

R+M Nr.	DN
200 032 601	6 mm
200 032 602	8 mm
200 032 603	10 mm

Intake filter for chemicals



DN 6 mm. ST-32. Brass

DN 6 - 8 mm. ST-32. Stainless steel

DN 6 - 8 mm. ST-31 without check valve. Plastic. Brass weight

DN 6 - 8 mm. ST-31 without check valve. Plastic. Stainless steel weight

DN 6 - 8 mm. ST-31R with check valve. Plastic. Brass weight

DN 6 - 8 mm. ST-31R with check valve. Plastic. Stainless steel weight

R+M Nr.	⊘	⊥
200 032 800	20	32

R+M Nr.	⊘	⊥
200 032 600	19	39

R+M Nr.	⊘	⊥
200 031 600	20	75

R+M Nr.	⊘	⊥
200 031 615	20	75

R+M Nr.	⊘	⊥
200 031 610	20	75

R+M Nr.	⊘	⊥
200 031 611	20	75

Symbols ⊖ outlet ⊕ inlet D nozzle DN nominal diameter TYP type ⊥ height ⊘ diameter ⊖ flow ⊕ length ISO insulation

easyfoam365+ injectors by Suttner

Injectors ST-160



3/8" F : 3/8" M : hose tail 9 mm. Injector for applications with chemicals and foam. The chemical dosing is adjusted by 10 exchangeable nozzle inserts (0.5 - 2.0 mm).
Max. 350 bar / 90 °C

R+M Nr.	D
200 160 499	1.2 mm
200 160 500	1.3 mm
200 160 505	1.4 mm
200 160 510	1.5 mm
200 160 515	1.6 mm
200 160 520	1.7 mm
200 160 525	1.8 mm
200 160 530	1.9 mm
200 160 540	2.1 mm
200 160 550	2.3 mm
200 160 575	2.8 mm



3/8" F : 3/8" M : hose tail 9 mm.
Injector ST-160 with metering valve ST-161.
Max. 350 bar / 90 °C

R+M Nr.	D
200 160 599	1.1 mm
200 160 600	1.2 mm
200 160 601	1.3 mm
200 160 602	1.4 mm
200 160 603	1.5 mm
200 160 604	1.6 mm
200 160 605	1.7 mm
200 160 606	1.8 mm
200 160 607	1.9 mm
200 160 609	2.1 mm
200 160 611	2.3 mm
200 160 614	2.8 mm

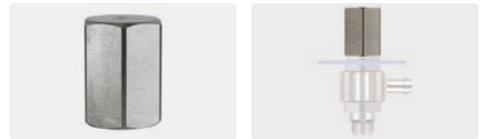
Injectors ST-166



3/8" F : 3/8" M : 2 hose tails 9 mm. Injector for applications with chemicals and foam. The injector sucks in/admixes up to two chemicals at the same time. The chemical dosing is adjusted by 2 x 10 exchangeable nozzle inserts (0.5 - 2.0 mm).
Max. 350 bar / 90 °C

R+M Nr.	D
200 166 500	1.3 mm
200 166 510	1.6 mm
200 166 530	1.9 mm

Valve lock



Valve lock for metering valve ST-161

R+M Nr.
040 003 566

easyfoam365+ injector unit ST-160



M22 M : M22 M. Injector ST-160 with metering valve ST-162. including chemical suction set comprising of suction hose DN 8 blue. 1.500 mm. suction filter ST-31. and chemical-resistant plastic tube. 320 mm. Max. 350 bar / 90 °C

R+M Nr.	D
105 160 100	1.1 mm
105 160 101	1.2 mm
105 160 102	1.3 mm
105 160 103	1.4 mm
105 160 104	1.5 mm
105 160 105	1.6 mm
105 160 106	1.7 mm
105 160 107	1.8 mm
105 160 108	1.9 mm
105 160 109	2.1 mm
105 160 110	2.3 mm
105 160 111	2.8 mm

Symbols  nozzle

easyfoam365+ injectors

Injectors ST-160 with metering valve ST-161



Coupling ST-45-250 stainless steel : plug ST-45-250 stainless steel. Injector with metering valve ST-161, suction hose 2,000 mm and suction filter ST-31. Max. 250 bar / 90 °C

R+M Nr.	D
200 160 846	1.3 mm
200 160 847	1.4 mm
200 160 848	1.5 mm
200 160 849	1.6 mm
200 160 850	1.7 mm
200 160 851	1.8 mm
200 160 854	2.1 mm
200 160 855	2.2 mm
200 160 856	2.3 mm



Coupling ST-45-250 nickel-plated brass : plug ST-45-250 zinc-plated steel. Injector with metering valve ST-161, suction hose 2,000 mm and suction filter ST-31. Max. 250 bar / 90 °C

R+M Nr.	D
200 160 861	1.3 mm
200 160 862	1.4 mm
200 160 863	1.5 mm
200 160 864	1.6 mm
200 160 865	1.7 mm
200 160 866	1.8 mm
200 160 869	2.1 mm
200 160 870	2.2 mm
200 160 871	2.3 mm



M22 F : M22 M. Injector with metering valve ST-161, suction hose 2,000 mm and suction filter ST-31. Max. 350 bar / 90 °C

R+M Nr.	D
200 160 804	1.3 mm
200 160 800	1.4 mm
200 160 801	1.5 mm
200 160 802	1.6 mm
200 160 805	1.7 mm
200 160 806	1.8 mm
200 160 809	2.1 mm
200 160 810	2.2 mm
200 160 811	2.3 mm

Injectors ST-160



Coupling ST-45-250 nickel-plated brass : plug ST-45-250 stainless steel. Injector ST-160 with metering valve ST-161, suction hose 2,000 mm and suction filter ST-31. Max. 250 bar / 90 °C

R+M Nr.	D
200 160 616	1.8 mm : 2.3 mm
200 160 615	1.7 mm : 2.3 mm
200 160 617	2.2 mm : 2.8 mm

easyfoam365+ bypass injectors ST-167



Coupling ST-45-250 stainless steel : plug ST-45-250 stainless steel. Injector ST-167 with metering valve ST-161, suction hose 2,000 mm and suction filter ST-31. Max. 250 bar / 100 °C

R+M Nr.	D
200 167 855	1.8 mm : 2.3 mm



Coupling ST-45-250 nickel-plated brass : plug ST-45-250 stainless steel. Injector ST-167 with metering valve ST-161, suction hose 2,000 mm and suction filter ST-31. Max. 250 bar / 100 °C

R+M Nr.	D
200 167 850	1.8 mm : 2.3 mm
200 167 860	1.8 mm : 2.8 mm

Reference list manufacturer number to R+M number A

Manufacturer Nr.	R+M Nr.
640 124 4	200 160 616
640 124 4	200 160 615
640 124 6	200 160 617
640 124 2	200 167 850
640 124 3	200 167 855
640 124 7	200 167 860

R+M high quality spare parts are obtained from well-established manufacturers. As a rule they are not original spare parts. The original order numbers and the indication of other information are exclusively for your guidance and furthermore they are not intended for the general use (e.g. invoices addressed to end users). In case of mentioning the original order numbers in your orders it can not be assumed that the products ordered are original spare parts. Original spare parts are supplied when they are especially offered as those in our catalogue or in other mailing pieces such as special offers or newsletters.

easyfoam365+ foam injector ST-160.2

In order to produce foam with the ST-160.2 a foam lance without air intake is absolutely required. The air quantity needed for foaming is supplied by an additional connection positioned at the injector. The use of a spray gun with large cross section areas such as for example ST-2720, ST-2725, ST-3100 or ST-3300 with suitable lances and foam hoses (bluflood) is recommended.

The injector is especially designed for low and medium pressure applications from a water inlet pressure of 5 bar and it generates an excellent foam when being provided with the required quantity of compressed air.

Injector chemically resistant stainless steel 1.4305 / AISI 304. Injector with metering valve ST-161, compressed air connection and wall bracket. Inlet / outlet 1/2" F. Max. 350 bar / 90 °C

**easyfoam365+**

R+M Nr.	D
200 160 650	030
200 160 651	035
200 160 652	040
200 160 653	045
200 160 654	055
200 160 655	060
200 160 656	070
200 160 657	080
200 160 658	085
200 160 659	090
200 160 660	100
200 160 661	110
200 160 662	120
200 160 663	125
200 160 664	140
200 160 665	150
200 160 666	180

easyfoam365+ foam injector ST-160.3**ST-160.3 – injector for large water quantities and high dosages**

The stainless steel injector features three pairs of injector and nozzle in one housing which can be configured independently. This enables numerous metering and foam applications.

Since each pair of nozzles has its own chemical inlet, different chemicals can also be mixed in different ratios.

In the low-pressure range, flow rates of up to 20 l/min can be realised. This is why, the injector is suitable for quick and easy filling of scrubber dryer while up to 5 l/min of cleaning agent can be added.

In the high-pressure range, water quantities of more than 100 l/min can be realised without any problems. For example, fixed or mobile foam arches, such as required for cleaning the inside of tunnels, can be operated with a large number of foam nozzles.

In order to produce large foam quantities in the low-pressure range, the injector is provided with an compressed air connection.

Injector chemically resistant stainless steel 1.4305 / AISI 304. Injector with compressed air connection and wall bracket. Inlet / outlet 1/2" F. Max. 350 bar / 90 °C

**easyfoam365+**

R+M Nr.	D
200 160 301	075
200 160 302	090
200 160 303	105
200 160 304	120
200 160 305	135
200 160 306	165
200 160 307	180
200 160 308	210
200 160 309	240
200 160 310	255
200 160 311	270
200 160 312	300
200 160 313	330
200 160 314	360
200 160 315	375
200 160 316	420
200 160 317	450
200 160 318	540

Symbols D nozzle C colour

Accessories injectors

Return valves



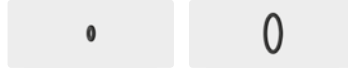
Hose tail : M14 M. V2A.
With o-ring

R+M Nr.
200 163 350



1/4" M : M14 M. V2A.
With o-ring

R+M Nr.
200 163 356



O-rings

R+M Nr.	
050 000 264	2.9 x 1.78
050 000 300	10.82 x 1.78



Hose tail 9 mm : M14 M.
V4A Extreme.
Highest chemical resistance.
With o-ring

R+M Nr.
200 163 351



1/4" M : M14 M. V4A Extreme.
Highest chemical resistance.
With o-ring

R+M Nr.
200 163 352



O-rings.
Highest chemical resistance

R+M Nr.	
050 001 450	2.9 x 1.78
050 000 302	10.82 x 1.78

Two component inlet



M14 M. : M14 F : M14 F. V2A. (ST-160/
ST-160.2/ST-160.3/ST-162/ST-164/
ST-166/ST-167/ST-168).
With o-rings

R+M Nr.
200 164 355



Rep. Kit. 2 x 2 O-rings

R+M Nr.
200 164 365

Plug



M14 M. Compressed air connection
(ST-160.2/ST-160.3/ST-162/ST-167/
ST-168). Without o-ring

R+M Nr.
040 003 625



1/4" M : M18 M. (ST-164).
With o-ring

R+M Nr.
200 164 366



M18 M. Compressed air connection
(ST-164).
With o-ring

R+M Nr.
200 164 345

Metering valves ST-161



Hose tail 9 mm : M14 M. Metering
valve ST-161 suitable for being refit-
ted in **easyfoam365+** injectors
(ST-160/ST-162/ST-164/ST-166/
ST-167/ST-168)

R+M Nr.	
200 161 500	blue (FKM)



Hose tail 9 mm : M14 M. Metering
valve ST-161 suitable for being refit-
ted in **easyfoam365+** injectors
(ST-160/ST-162/ST-164/ST-166/
ST-167/ ST-168)

R+M Nr.	
200 161 515	grey (EPDM)



Hose tail 9 mm : hose tail 9 mm.
Panel mount is possible

R+M Nr.	
200 161 510	blue (FKM)

Ring for suction marking



Plastic. Grey.
For compressed air

R+M Nr.
020 005 108



Plastic. Red.
For foaming agents

R+M Nr.
020 005 101



Plastic. Blue.
For foaming agents

R+M Nr.
020 005 100

Ultra High Pressure Filter



new

40 mm

Stainless steel with brass mesh
holder and stainless steel strainer.
Suitable as inlet water filter for
ST-164.

Max. 400 bar / 100 °C

R+M Nr.		
200 163 100	M 22 M	3/8" M

Compressed air module ST-164



new

1/4" F : M18 M. Compressed-air
module (ST-164) for automatic
shut-off of compressed-air supply
when switching over to the rinsing
function

R+M Nr.
200 164 370

Accessories injectors

Reinforced PVC hoses clear



For compressed air or chemicals.
Max. 60 °C

Per metre

R+M Nr.	DN	↔	↗
306 55	9		3

Complete rolls

R+M Nr.	DN	↔	↗
306 550 50	9	50 m	3

Reinforced PVC hoses blue



For foaming agent. Blue.
Max. 60 °C

Per metre

R+M Nr.	DN	↔	↗
080 000 310	9		3

Complete rolls

R+M Nr.	DN	↔	↗
306 560 50	9	50 m	3

Reinforced PVC hoses yellow



For disinfectant. Yellow.
Max. 60 °C

Per metre

R+M Nr.	DN	↔	↗
080 000 320	9		3

Complete rolls

R+M Nr.	DN	↔	↗
306 570 50	9	50 m	3

Trolley



- » Multifunctional trolley for foam and disinfection units
- » Stainless steel. Trolley with two grey and non-fading wheels.
- » Manoeuvrable and easy to handle such as a sack truck
- » Open space for placing the canister, thus ensuring an unhindered discharge of spilled liquids
- » Ergonomic plastic handle strip which is easily unscrewable for the food industry
- » Two laterally attached lance holder
- » Sufficient space for 2 container with chemicals comprising up to 25 kg each.
- » H x W x D 1,150 x 540 x 620 mm

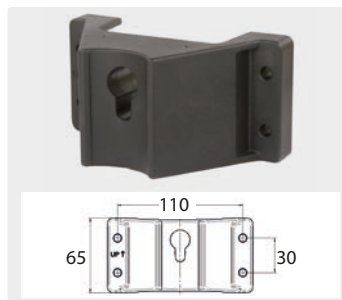
R+M Nr.	↗
710 000 163 389	14,0



- » Trolley for foam units
- » Stainless steel. Trolley with two grey and non-fading wheels as well as one grey guide roll.
- » Two laterally attached lance holder
- » Space for two container with chemicals comprising up to 30 kg each.
- » H x W x D 1,080 x 680 x 760 mm

R+M Nr.	↗
200 163 389	20.5

Wall bracket for injectors



for ST-164, ST-167, ST-168, ST-160.2, ST-160.3, ST-162 panelversion

R+M Nr.
200 168 420

Wall brackets for canisters



Stainless steel. Mounting holes 8.5 mm

R+M Nr.	H x W x D	↗
105 000 001	160 x 250 x 210	1.2
105 000 002	200 x 285 x 310	2.0

Accessories injectors

Exchangeable nozzle inserts



Stainless steel V2A. Excl. o-rings

R+M Nr.	D	VPE
040 004 705	0.5 mm	1
040 004 706	0.6 mm	1
040 004 707	0.7 mm	1
040 004 708	0.8 mm	1
040 004 709	0.9 mm	1
040 004 710	1.0 mm	1
040 004 711	1.1 mm	1
040 004 712	1.2 mm	1
040 004 713	1.3 mm	1
040 004 714	1.4 mm	1
040 004 715	1.5 mm	1
790 041 010	o-rings	10



Stainless steel V4A. Excl. o-rings

R+M Nr.	D	VPE
040 004 803	0.3 mm	1
040 004 804	0.4 mm	1
040 004 805	0.5 mm	1
050 000 264	o-ring	1



Plastic. 10 nozzle inserts (0.5 - 2.0 mm). Incl. o-rings

R+M Nr.
200 163 340



Plastic. 9 nozzle inserts (0.5 - 1.5 mm). Incl. o-rings. Incl. 1 insert without hole

R+M Nr.
200 163 335

Diffusor nozzles



Stain. steel. Diffusor nozzle screwable

R+M Nr.	D
040 003 514	1.4
040 003 517	1.7
040 003 521	2.0
040 003 523	2.3
040 003 528	2.8
040 003 532	3.2

Metering valves



Hose tail 9 mm : 1/4" F. V4A extreme. Highest resistance to chemistry

R+M Nr.
200 163 300

Injector nozzles



Stain. steel. Injector nozzle screwable

R+M Nr.	D
040 003 641	1.1
040 003 642	1.2
040 003 643	1.3
040 003 644	1.4
040 003 645	1.5
040 003 646	1.6
040 003 647	1.7
040 003 648	1.8
040 003 649	1.9
040 003 650	2.0
040 003 651	2.1
040 003 652	2.2
040 003 653	2.3
040 003 654	2.4
040 003 655	2.5
040 003 658	2.8



Stain. steel. Injector nozzle plug-in

R+M Nr.	D
040 003 534	1.2
040 003 535	1.3
040 003 536	1.4
040 003 537	1.5
040 003 538	1.6
040 003 539	1.7
040 003 541	1.8
040 003 542	1.9
040 003 543	2.0
040 003 544	2.1
040 003 546	2.2
040 003 547	2.3
040 003 548	2.4
040 003 531	2.5
040 003 549	2.8

Pressure regulator



1/4" F. 0.5 - 16 bar. 1/8" F pressure gauge. Connection for compressed air (ST-164 & ST-168)

R+M Nr.
150 008 010

Operating cylinder



ST-167 / ST-168. Stainless steel

R+M Nr.
200 168 491

Seal kit for operating cylinder



Operating cylinder. FEPM

R+M Nr.
200 168 489

Repair Kit ST-164



Kit ST-164

R+M Nr.
200 164 490

Repair Kit ST-164



Kit for stopper ST-164

R+M Nr.
200 164 485

Compressed air module ST-163



Hose tail 9 mm : 1/2" M swivel : 1/2" F. Stainless steel. For injection of compressed air. Max. 350 bar / 60 °C

R+M Nr.
200 163 450



1/4" M : 1/2" M swivel : 1/2" F. Stainless steel. For injection of compressed air. Max. 350 bar / 60 °C

R+M Nr.
200 163 451

Symbols \varnothing nozzle \leftrightarrow length \boxtimes wall thickness \varnothing N nominal diameter \varnothing VPE packing unit \boxtimes weight (kg)

easyfoam365+ bypass injectors ST-167 without compressed air module

easyfoam365+ product line has been enlarged

The injectors completely made out of stainless steel make it possible to open two cross section areas (50 mm² each) in order to guarantee a smooth use without drop in pressure when washing/rinsing. This ensures that the injector can be permanently kept in the high pressure line, also at the time when large water quantities are used e.g. in the agriculture or food industry. The cleaning capacity when cleaning and rinsing is not affected at all. A lever makes it possible to change from the cleaning and rinsing mode into injector operation. When using the cleaning mode, there are two bore holes guiding the high pressure water parallel to the injector (bypass mode). When using the injector the available water quantity is guided through the injection area.

In combination with a foam lance (ST-72, ST-74 oder ST-75), an adjustable or a triple nozzle the **easyfoam365+** injector ST-167 can suck in chemicals by means of the integrated check valve made out of stainless steel. It depends on the chosen nozzle whether the chemical can also be sprayed on or foamed. The foaming covers large areas and a long expo-

sure time is guaranteed. One further advantage of the foam cleaning is that already covered surfaces are easily seen.

The **easyfoam365+** injector which is available in the nozzle size of 1.2 - 2.8 mm meets the requirements in every field of application in the professional cleaning industry. The dosing is adjusted by one of the 10 nozzle inserts which are included in the consignment. As an alternative there are also versions with the infinitely variable dosing unit ST-161 available.

The connection for chemicals equipped with an integrated check valve and an intake for the nozzle inserts has a hose tail for chemical suction hoses being 9 mm in diameter in order to suck in especially viscous fluids. The direction of flow is marked with arrows to guarantee a smooth installation.

easyfoam365+ bypass injectors ST-167



1/2" F : 1/2" F : hose tail 9 mm. The chemical dosing is adjusted by 10 exchangeable nozzle inserts (0.5 - 2.0 mm).

Max. 350 bar / 100 °C

1/2" F : 1/2" F : hose tail 9 mm. The chemical dosing is adjusted by 10 exchangeable nozzle inserts (0.5 - 2.0 mm).

Max. 500 bar / 100 °C



1/2" F : 1/2" F : hose tail 9 mm. Injector ST-167 with metering valve ST-161.

Max. 350 bar / 100 °C



1/2" F : 1/2" F : hose tail 9 mm. Injector ST-167 with metering valve extreme.

Max. 350 bar / 100 °C

R+M Nr.	D
200 167 500	1.2 mm
200 167 501	1.3 mm
200 167 502	1.4 mm
200 167 503	1.5 mm
200 167 504	1.6 mm
200 167 505	1.7 mm
200 167 506	1.8 mm
200 167 507	1.9 mm
200 167 508	2.0 mm
200 167 509	2.1 mm
200 167 510	2.2 mm
200 167 511	2.3 mm
200 167 512	2.4 mm
200 167 513	2.5 mm
200 167 516	2.8 mm

R+M Nr.	D
200 167 500 5	1.2 mm
200 167 501 5	1.3 mm
200 167 502 5	1.4 mm
200 167 503 5	1.5 mm
200 167 504 5	1.6 mm
200 167 505 5	1.7 mm
200 167 506 5	1.8 mm
200 167 507 5	1.9 mm
200 167 508 5	2.0 mm
200 167 509 5	2.1 mm
200 167 510 5	2.2 mm
200 167 511 5	2.3 mm
200 167 512 5	2.4 mm
200 167 513 5	2.5 mm
200 167 516 5	2.8 mm

new

R+M Nr.	D
200 167 600	1.2 mm
200 167 601	1.3 mm
200 167 602	1.4 mm
200 167 603	1.5 mm
200 167 604	1.6 mm
200 167 605	1.7 mm
200 167 606	1.8 mm
200 167 607	1.9 mm
200 167 608	2.0 mm
200 167 609	2.1 mm
200 167 610	2.2 mm
200 167 611	2.3 mm
200 167 612	2.4 mm
200 167 613	2.5 mm
200 167 616	2.8 mm

R+M Nr.	D
200 167 630	1.2 mm
200 167 631	1.3 mm
200 167 632	1.4 mm
200 167 633	1.5 mm
200 167 634	1.6 mm
200 167 635	1.7 mm
200 167 636	1.8 mm
200 167 637	1.9 mm
200 167 638	2.0 mm
200 167 639	2.1 mm
200 167 640	2.2 mm
200 167 641	2.3 mm
200 167 642	2.4 mm
200 167 643	2.5 mm
200 167 644	2.8 mm

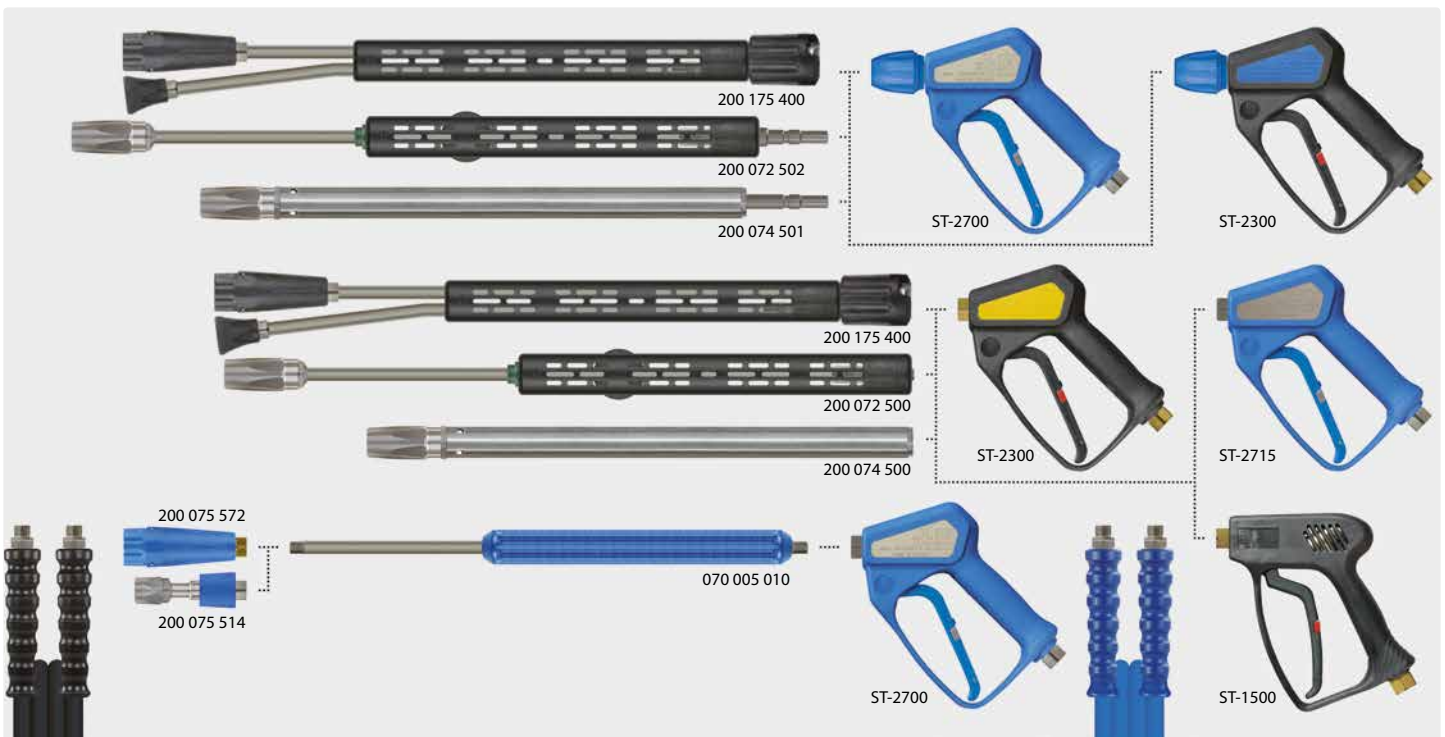
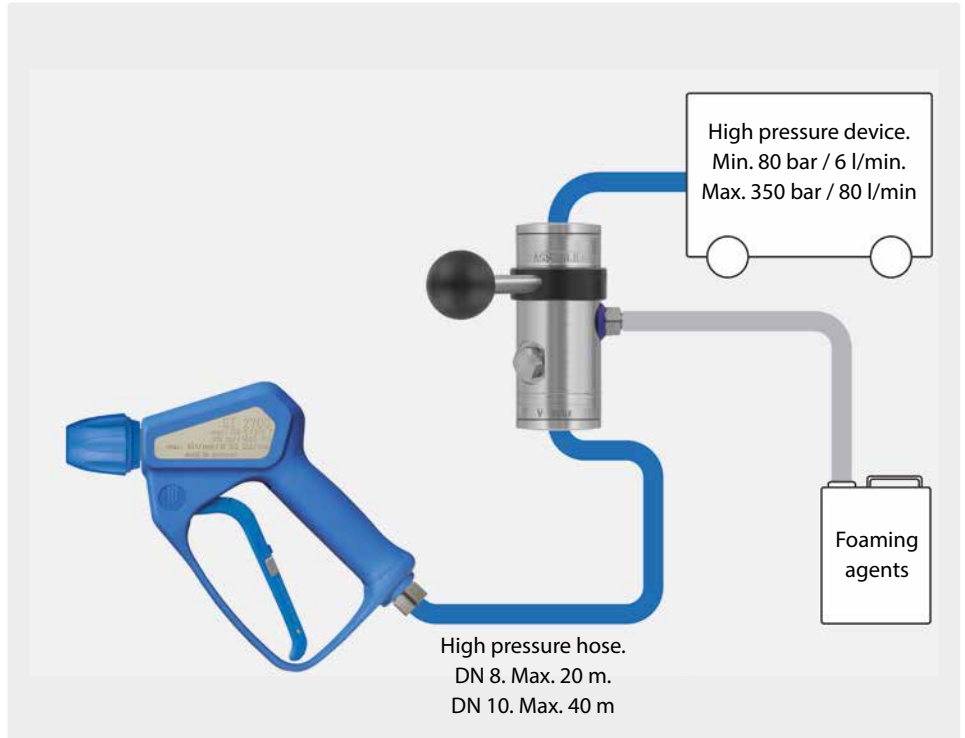
Assembly scheme easyfoam365+ bypass injectors ST-167 without compressed air module



easyfoam365+ bypass injector ST-167 with hose tail 9 mm



easyfoam365+ bypass injector ST-167 with metering valve ST-161 and hose tail 9 mm



Symbols nozzle

easyfoam365+ bypass injectors ST-168 with compressed air module

easyfoam365+ product line has been enlarged

The injectors completely made out of stainless steel make it possible to open two cross section areas (50 mm² each) in order to guarantee a smooth use without drop in pressure when washing/rinsing. This ensures that the injector can be permanently kept in the high pressure line, also at the time when large water quantities are used e.g. in the agriculture or food industry. The cleaning capacity when cleaning and rinsing is not affected at all. A lever makes it possible to change from the cleaning and rinsing mode into injector operation. When using the cleaning mode, there are two bore holes guiding the high pressure water parallel to the injector (bypass mode). When using the injector the available water quantity is guided through the injection area.

In order to produce foam a foam lance without air intake is absolutely required. The air quantity needed for foaming is supplied by an additional connection positioned at the injector. The use of a spray gun with large cross section areas such as for example ST-2720, ST-2725, ST-3100 or ST-3300 with suitable lances

and foam hoses (blufood) is recommended. The injector ST-168 is especially designed for low and medium pressure applications from a water inlet pressure of 5 bar and it generates an excellent foam when being provided with the required quantity of compressed air.

The **easyfoam365+** injector which is available in the nozzle size of 1.2 - 2.8 mm meets the requirements in every field of application in the professional cleaning industry. The dosing is adjusted by one of the 10 nozzle inserts which are included in the consignment. As an alternative there are also versions with the infinitely variable dosing unit ST-161 available.

The connection for chemicals equipped with an integrated check valve and an intake for the nozzle inserts has a hose connector for chemical suction hoses being 9 mm in diameter in order to suck in especially viscous fluids. The direction of flow is marked with arrows to guarantee a smooth installation.

easyfoam365+ bypass injectors ST-168



1/2" F : 1/2" F. Injector ST-168 with hose tail 9 mm and compressed air module (hose tail 9 mm). The chemical dosing is adjusted by 10 exchangeable nozzle inserts (0.5 - 2.0 mm).
Max. 350 bar / 100 °C



1/2" F : 1/2" F. Injector ST-168 with metering valve ST-161 and compressed air module (hose tail 9 mm).
Max. 350 bar / 100 °C

R+M Nr.	D
200 168 500	1.2 mm
200 168 505	1.3 mm
200 168 515	1.4 mm
200 168 525	1.5 mm
200 168 535	1.6 mm
200 168 545	1.7 mm
200 168 555	1.8 mm
200 168 605	1.9 mm
200 168 615	2.0 mm
200 168 625	2.1 mm
200 168 635	2.2 mm
200 168 645	2.3 mm
200 168 650	2.4 mm
200 168 655	2.5 mm
200 168 660	2.8 mm

R+M Nr.	D
200 168 600	1.2 mm
200 168 601	1.3 mm
200 168 602	1.4 mm
200 168 603	1.5 mm
200 168 604	1.6 mm
200 168 613	1.7 mm
200 168 606	1.8 mm
200 168 607	1.9 mm
200 168 608	2.0 mm
200 168 609	2.1 mm
200 168 610	2.2 mm
200 168 611	2.3 mm
200 168 612	2.4 mm
200 168 616	2.5 mm
200 168 617	2.8 mm

easyfoam365+ Injector ST-162 panel mount version of ST-167/168



☺ 3/8" F: ☹ 1/2" F.
Hose tail 9 mm.
Injector ST-162 incl. 10 exchangeable nozzle inserts (0.5 - 2.0 mm) for regulation of chemical dosing.
Improved foam characteristics due to symmetric air blow-in around the diffusor nozzle.
Max. 350 bar / 100 °C

R+M Nr.	D
200 162 500	1.2 mm
200 162 501	1.3 mm
200 162 502	1.4 mm
200 162 503	1.5 mm
200 162 504	1.6 mm
200 162 505	1.7 mm
200 162 506	1.8 mm
200 162 507	1.9 mm
200 162 508	2.0 mm
200 162 509	2.1 mm
200 162 510	2.2 mm
200 162 511	2.3 mm
200 162 512	2.4 mm
200 162 513	2.5 mm
200 162 514	2.8 mm

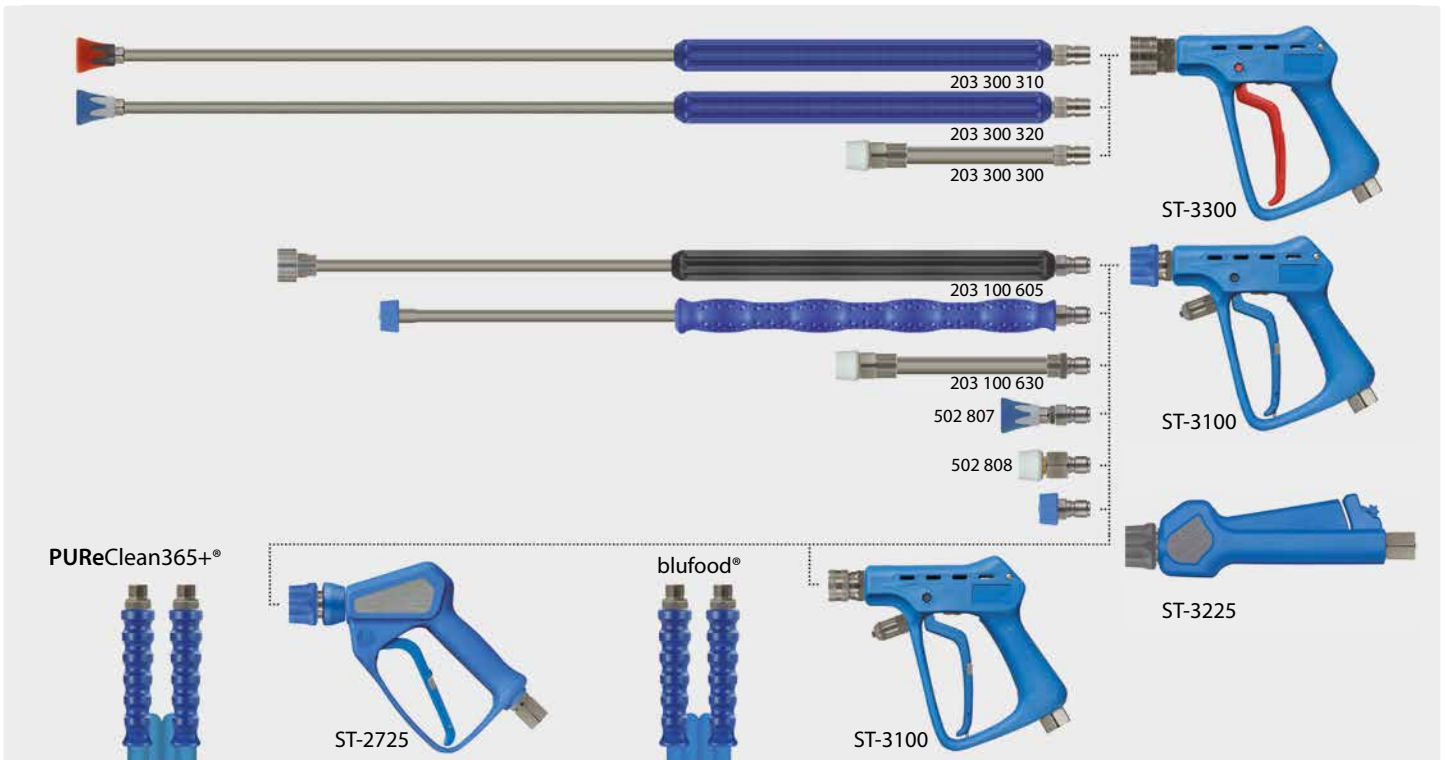
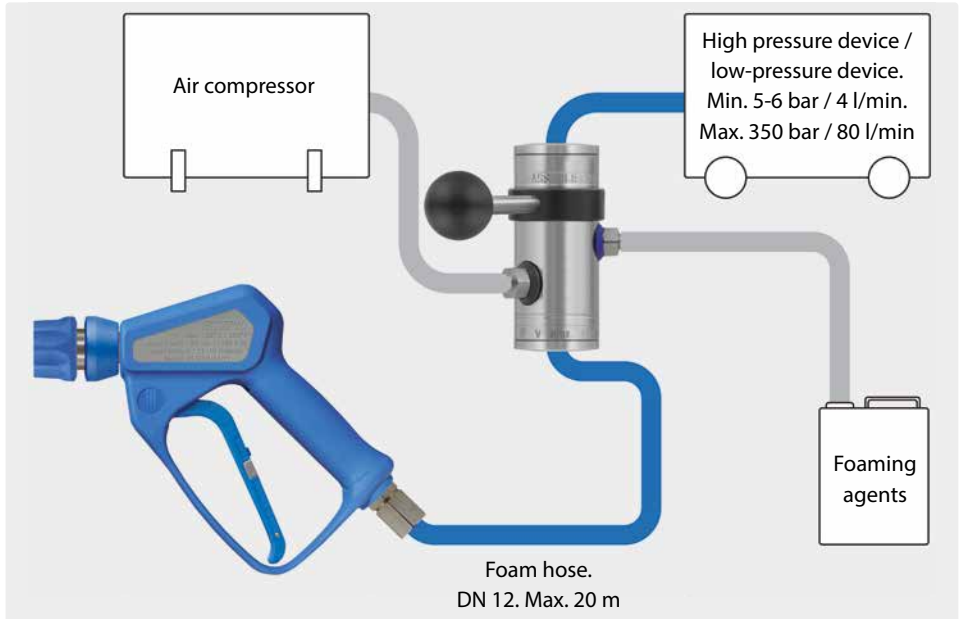
Assembly scheme easyfoam365+ bypass injectors ST-168 with compressed air module



Bypass injector ST-168 with hose tail 9 mm and compressed air module (hose tail 9 mm).



Bypass injector ST-168 with metering valve ST-161 & compressed air module (hose tail 9 mm).

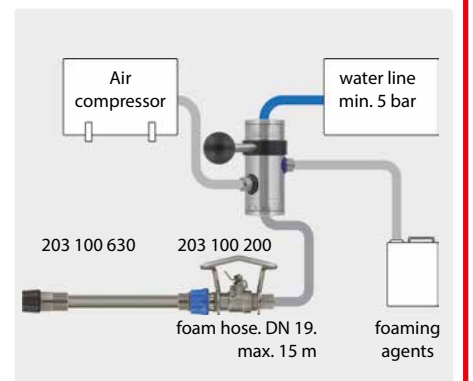


Have you already known? ...that our bypass injector ST-168 can also be operated with water line pressure.

The compressed air-driven easyfoam365+ bypass injectors of the series ST-168 are designed for foam applications with medium pressure units (10 to 50 bar) in the field of the food industry. The easyfoam365+ bypass injector ST-168 is a real alternative especially for smaller companies such as farmers or fish breeding companies which are selling the goods ex farmyard. These smaller companies have to stick to the existing hygiene standards such as larger firms, but they are reasonably shy at the great investment volume for a medium pressure unit.

By means of only water line pressure - 5 bar flow pressure - and the appropriate accessories for the spraying unit - hose with big nominal width, ball valve 203 100 200 and suitable foam lance 203 100 630 an excellent foam quality is reached.

When switching the lever from the injector operation into cleaning and rinsing mode the addition of cleaning agent and disinfectant is stopped and the fully available water quantity passes the bypass injector nearly without any drop in pressure.



easyfoam365+ foam and disinfectant units ST-164

Field of application: Designed for the cleaning of vehicles carrying cattle, food, frozen foods and fish in order to avoid bacterial spread. Also suitable for cleaning milking parlours and applicable in cattle breeding, piggery, poultry farming and in the pisciculture.

The foam device is a combination made out of stainless steel and special high performance plastics. The addition of one out of two connected chemicals is determined by positioning the lever.

All versions are suitable for the addition in low pressure from approx. 5 bar up to max. 350 bar.

When being operated in rinsing function up to 60 l/min pass through the unit without any drop in pressure.

In combination with a foam lance (ST-72, ST-74 or ST-75), an adjustable or a triple nozzle the ST-164 injector can suck in chemicals by means of the integrated check valve made out of stainless steel and spray them on or

foam them depending on the chosen nozzle.

The injector has an optional compressed air connection in order to supply the required air quantity for foaming already in the injector unit.

For the application of foam a foam lance without air intake is absolutely required. The use of a spray gun with large cross section areas such as for example ST-2720, ST-2725, ST-3100 or ST-3300 with suitable lances and foam hoses (blufood) is recommended.

The injector is especially designed for low and medium pressure applications from a water inlet pressure of 5 bar and it generates an excellent foam when being provided with the required quantity of compressed air.

The ST-164 injector is available in the nozzle size of 1.2 - 2.8 mm.

The dosing is adjusted by one of the 10 nozzle inserts which are included in the consignment. The connection for chemicals is equipped with an integrated check valve.

Injectors without compressed air module



3/8" F : 1/2" F : 2 x hose tail 9 mm. The chemical dosing is adjusted by 2 x 10 exchangeable nozzle inserts (0.5 - 1.5 mm). Max. 350 bar / 100 °C

Injectors with compressed air module



3/8" F : 1/2" F : 2 x Hose tail 9 mm : compressed air module (1/4" M). The chemical dosing is adjusted by 2 x 10 exchangeable nozzle inserts (0.5 - 2 mm). Max. 350 bar / 100 °C

Injectors with compressed air module



3/8" F : 1/2" F : 2 x Hose tail 9 mm : compressed air module (1/4" M). The chemical dosing is adjusted by the metering valve ST-161. Max. 350 bar / 100 °C

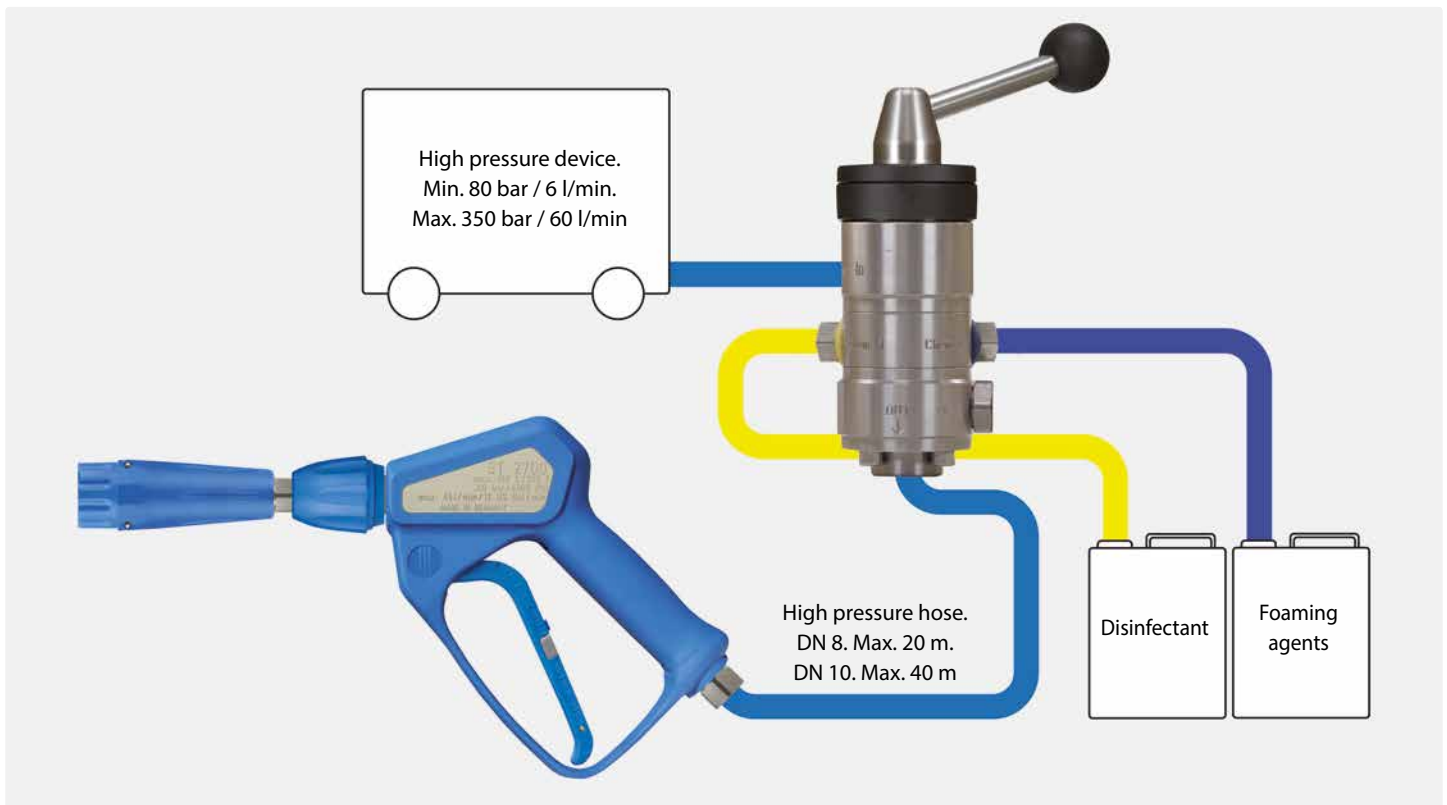
R+M Nr.	D
200 164 500	1.3 mm
200 164 502	1.4 mm
200 164 503	1.5 mm
200 164 504	1.6 mm
200 164 505	1.7 mm
200 164 506	1.8 mm
200 164 507	1.9 mm
200 164 508	2.0 mm
200 164 509	2.1 mm
200 164 510	2.2 mm
200 164 511	2.3 mm
200 164 512	2.4 mm
200 164 513	2.5 mm
200 164 514	2.8 mm

R+M Nr.	D
200 164 580	1.3 mm
200 164 582	1.4 mm
200 164 583	1.5 mm
200 164 584	1.6 mm
200 164 585	1.7 mm
200 164 586	1.8 mm
200 164 587	1.9 mm
200 164 588	2.0 mm
200 164 589	2.1 mm
200 164 590	2.2 mm
200 164 591	2.3 mm
200 164 592	2.4 mm
200 164 593	2.5 mm
200 164 594	2.8 mm

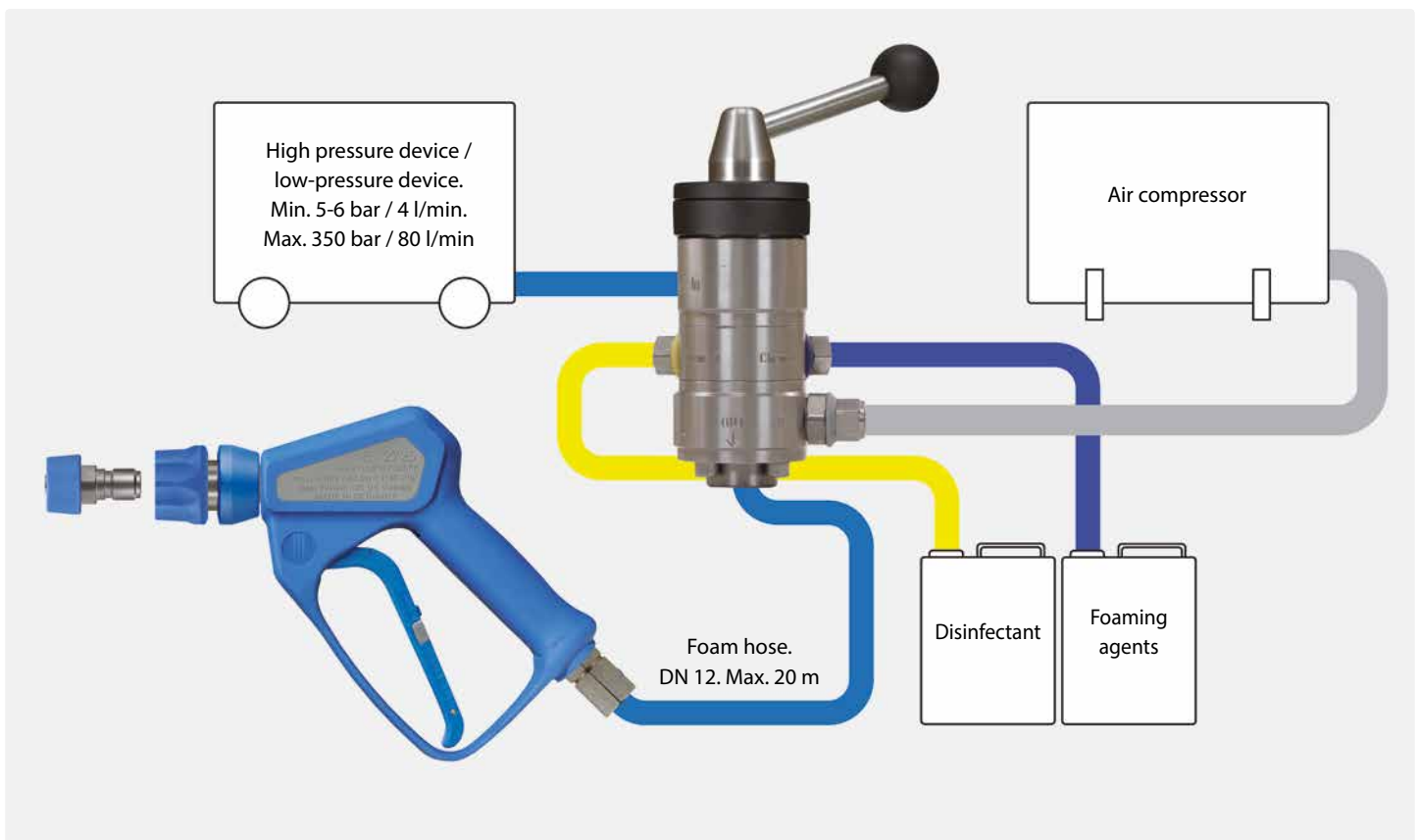
R+M Nr.	D
200 164 600	1.3 mm
200 164 602	1.4 mm
200 164 603	1.5 mm
200 164 604	1.6 mm
200 164 605	1.7 mm
200 164 606	1.8 mm
200 164 607	1.9 mm
200 164 608	2.0 mm
200 164 609	2.1 mm
200 164 610	2.2 mm
200 164 611	2.3 mm
200 164 612	2.4 mm
200 164 613	2.5 mm
200 164 614	2.8 mm

Symbols nozzle

Assembly scheme easyfoam365+ injectors ST-164 without compressed air module



Assembly scheme easyfoam365+ injectors ST-164 with compressed air module



easyfoamer ST-73.1 foam injector lances

Our easyfoamer ST-73.1 realizes an ideal mixing of air and cleaning agent, thus succeeding an ideal foam result.

Rely on:

- » a completely stainless steel and non-corrosive injector unit
- » the highest grade of chemical resistance
- » 5 defined dosing positions
- » 1 l and 2 l bottles
- » vertical or horizontal spray pattern
- » patent pending
- » max. 300 bar / 80 °C



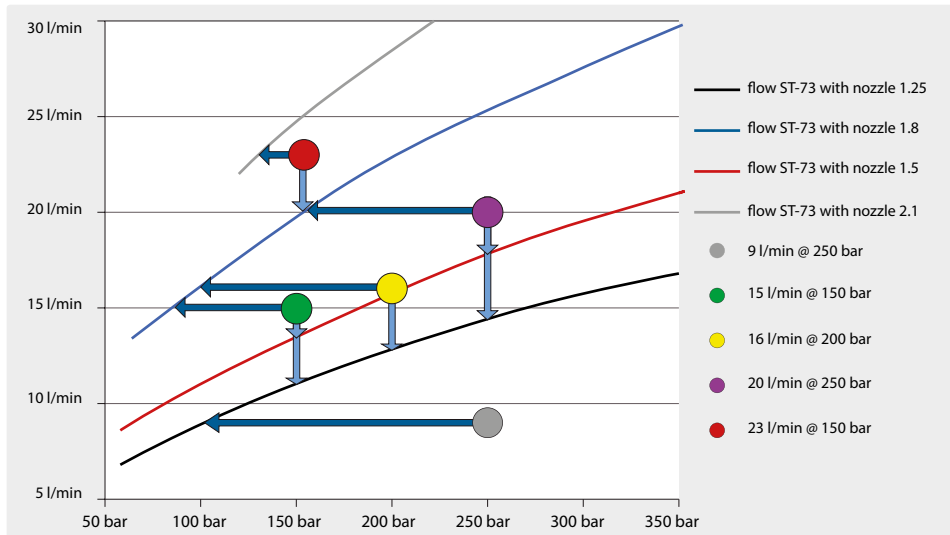
1/4" F. Foam injector lance with regulator and bottle. Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 750	1.25	1 l
200 073 900	1.50	1 l



1/4" F. Foam injector lance with regulator and bottle. Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 755	1.25	2 l
200 073 910	1.80	2 l
200 073 950	2.10	2 l



M22 M. Foam injector lance with regulator and bottle. Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 512	1.25	1 l
200 073 514	1.25	2 l
200 073 614	1.80	2 l



Bayonet K. Brass. Foam injector lance with regulator and bottle. Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 524	1.25	1 l
200 073 526	1.25	2 l
200 073 626	1.80	2 l



Plug KW. Foam injector lance with regulator and bottle. Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 528	1.25	1 l
200 073 530	1.25	2 l
200 073 640	1.50	2 l
200 073 630	1.80	2 l
200 073 631	2.10	2 l



Plug KR. Foam injector lance with regulator and bottle. Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 751	1,25	1

Symbols nozzle volume

easyfoamer ST-73.1 foam injector lances



Bayonet K. Plastic. Foam injector lance with regulator and bottle.
Max. 180 bar / 80 °C

R+M Nr.	D	l
200 073 536	1.25	1 l
200 073 538	1.25	2 l
200 073 638	1.80	2 l



M22 F. Foam injector lance with regulator and bottle.
Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 516	1.25	1 l
200 073 518	1.25	2 l
200 073 618	1.80	2 l



M22 F swivel. Foam injector lance with regulator and bottle.
Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 520	1.25	1 l
200 073 522	1.25	2 l
200 073 622	1.80	2 l

easyfoamer ST-73.2 foam injector lances

Our latest innovation realizes an ideal mixing of air and cleaning agent, thus succeeding an ideal foam result - the new addition to the easyfoam365+ family!

Rely on:

- » ideal for high flow applications
- » without foam pad
- » a completely stainless steel and non-corrosive injector unit
- » the highest grade of chemical resistance
- » 5 defined dosing positions
- » 2 l bottle
- » vertical or horizontal spray pattern
- » patent pending
- » max. 300 bar / 80 °C

Don't lose any more time and feel invited to test it now!



1/4" F. Foam injector lance with regulator and bottle. Without foam pad. Max. 300 bar / 80 °C

R+M Nr.	D	l
200 073 906	1.50	2 l
200 073 916	1.80	2 l
200 073 956	2.10	2 l

Accessories easyfoamer ST-73.1 & ST-73.2



Bottle 1 liter

R+M Nr.
020 073 513



Bottle 2 liter

R+M Nr.
020 073 520



Nozzles

R+M Nr.	D
040 073 512	1.5 *
040 073 513	2.1 **



Foam pad (ST-73.1)

R+M Nr.
540 500 09



Cover blue for 1 and 2 liter

R+M Nr.
020 073 522



Wall bracket. Stainless steel. 68 mm x 95 mm. Incl. mounting parts

R+M Nr.
200 073 425



Bottle adapter

R+M Nr.
020 073 530

* Replacement only for ST-73.1 & ST-73.2 with nozzles 1.25. ** Replacement only for ST-73.1 & ST-73.2 with nozzles 1.80

Foam injector lances

ST-70



Lance without regulator, with bottle. Max. 180 bar / 60 °C / 10 l/min

R+M Nr.	⌀	⊕	⊞
200 070 640	1.10	1/4" F	1 l
200 070 641	1.10	1/4" F	2 l
200 070 642	1.10	M22 F	1 l
200 070 643	1.10	M22 F	2 l
200 070 644	1.10	M22 M	1 l
200 070 645	1.10	M22 M	2 l
200 070 650	1.10	plug KW	1 l
200 070 651	1.10	plug KW	2 l
200 070 646	1.10	bayonet K PVC	1 l
200 070 647	1.10	bayonet K PVC	2 l
200 070 648	1.10	bayonet K brass	1 l
200 070 649	1.10	bayonet K brass	2 l

Bottles for ST-70 / ST-73

R+M Nr.	⊞
020 073 513	1 l
020 073 520	2 l

LS10



Lance with regulator. Max. 200 bar / 65 °C / 25 l/min

R+M Nr.	⌀	⊕	⊞
540 30	1.5	3/8" M	
540 300 8	1.5	1/4" F	
540 300 1	1.5	M22 F	
540 300	1.5	M22 M	
540 300 3	1.5	plug ST-3100	

LS3



Foam pad

R+M Nr.
540 500 09

Lance with regulator and bottle. Max. 180 bar / 60 °C / 12 l/min

R+M Nr.	⌀	⊕	⊞
540 500	1.25	1/4" F	1 l
540 505	1.25	M22 F	1 l
540 502	1.25	M22 M	1 l
540 506	1.25	plug KW	1 l
540 503	1.25	bayonet K brass	1 l
540 504	1.25	bayonet K PVC	1 l

Bottles for LS3

R+M Nr.	⊕	⊞
540 500 25	LS3	1 l

LS10



Lance with regulator and bottle. Max. 200 bar / 65 °C / 25 l/min

R+M Nr.	⌀	⊕	⊞
540 35	1.5	3/8" M	1 l
540 352	1.5	3/8" M	2 l
540 40	1.5	M22 M	1 l
540 402	1.5	M22 M	2 l
540 355	1.5	plug KW	1 l
540 355 2	1.5	plug KW	2 l

Bottles for LS10

R+M Nr.	⊕	⊞
540 351	LS10	1 l
540 352 1	LS10	2 l

Symbols ⊕ inlet ⊖ outlet ⌀ nozzle ⊞ volume

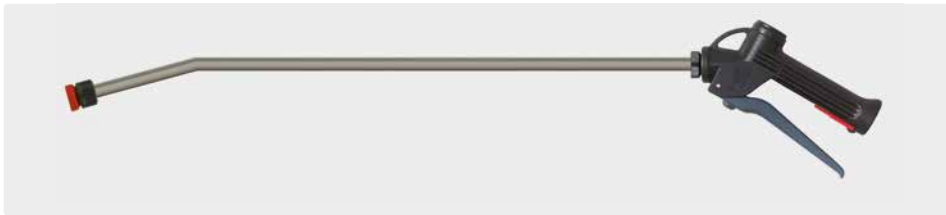
Chemical spray guns ST-510 & lances

Chemical spray guns ST-510 with lances



1,000 - 2,000 mm. Spray gun with telescopic lance made out of stainless steel and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

R+M Nr.		
200 510 600	1/2" F	1/2" F



600 mm. Spray gun with lance made out of stainless steel and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

R+M Nr.		
200 510 550	1/2" F	1/2" F



210 mm. Spray gun with lance made out of plastic and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

R+M Nr.		
200 510 710	1/2" F	1/2" F



300 mm. Spray gun with lance made out of stainless steel and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

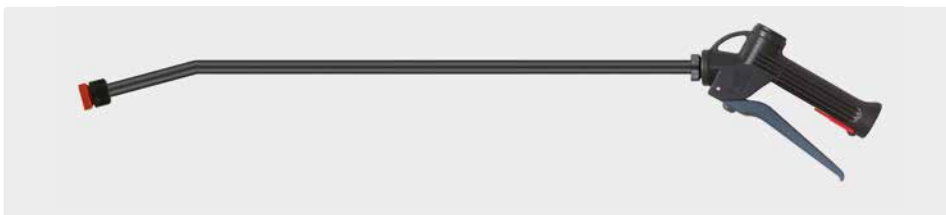
R+M Nr.		
200 510 560	1/2" F	1/2" F

Chemical spray gun ST-510



Gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 70 l/min / 50 °C

R+M Nr.		
200 510 500	1/2" F	1/2" F



600 mm. Spray gun with lance made out of plastic and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

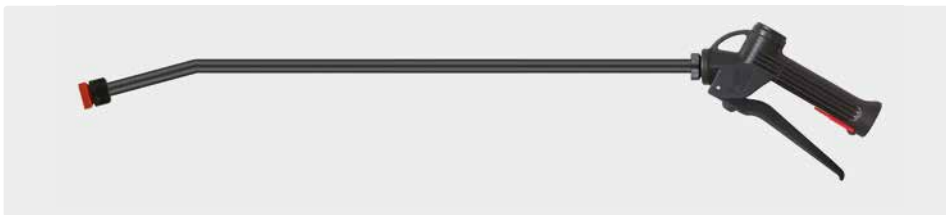
R+M Nr.		
200 510 700	1/2" F	1/2" F

Filter



Plastic. Max. 50 °C

R+M Nr.
500 04



600 mm. Spray gun with lance made out of plastic and and nozzle nut without nozzle. Spray gun with acid-resistant ball. Max. 25 bar / 30 l/min / 50 °C

R+M Nr.		
200 510 705	1/2" F	1/2" F

Sprayer with pressure tank



- » The filling is very easy and effected by means of a plastic hopper to fill in.
- » 1/4" M connection to be attached at the compressed-air supply.
- » Max. 8 bar. Equipped with a default safety valve.
- » Chemically resistant hose 10 m. Spray lance 600 mm with nozzle. Fill level indication.
- » Suitable for the use in the car wash and industry.
- » **Available from 10 pieces in other RAL colors.**

R+M Nr.	TYP	📦
106 024 500	coated steel	24 l
106 050 500	coated steel	50 l
106 100 500	coated steel	100 l

Foamer with pressure tank



- » The filling is very easy and effected by means of a plastic hopper to fill in.
- » 1/4" M connection to be attached at the compressed-air supply.
- » Max. 8 bar. Equipped with a default safety valve.
- » Chemically resistant hose 10 m. Foam lance 600 mm with nozzle head and 4 nozzles. Fill level indication.
- » Integrated dosing unit to realise the desired air/foam mixture. Permanent pressure exposure is required in order to achieve an uniform foam result.
- » Suitable for the use in the car wash and industry.
- » **Available from 10 pieces in other RAL colors.**

R+M Nr.	TYP	📦
106 024 550	coated steel	24 l
106 050 550	coated steel	50 l
106 100 550	coated steel	100 l

Suitable for keeping and application of liquids of the group 2 according to the directive EWG/67/548 Art. 2, para. 2 and directive EG/97/23 Art. 9. Not suitable for liquids of group 1 and especially strong alkaline solution and acids.

Accessories for sprayer and foamer

Foam hoses	Spray hoses	Foam head	Nozzles			
Bayonet. 10 m	1/4" M. 10 m	1/2" M	Foamer. 55° 45	Foamer. 60° 25	Sprayer. 110° 04	Sprayer. 110° 045
R+M Nr. 106 901 01	R+M Nr. 106 911 01	R+M Nr. 106 906 0	R+M Nr. 609 805 59	R+M Nr. 609 802 59	R+M Nr. 609 110 04	R+M Nr. 609 110 045

Symbols TYP type 📦 volume shipment by truck

Sprayer with pressure tank



- » The filling is very easy and effected by means of a plastic hopper to fill in.
- » 1/4" M connection to be attached at the compressed-air supply.
- » Max. 8 bar. Equipped with a default safety valve.
- » Chemically resistant hose 10 m. Spray lance 600 mm with nozzle. Fill level indication.
- » Suitable for the use in the food industry, car wash and industry.

Foamer with pressure tank



- » The filling is very easy and effected by means of a plastic hopper to fill in.
- » 1/4" M connection to be attached at the compressed-air supply.
- » Max. 8 bar. Equipped with a default safety valve.
- » Chemically resistant hose 10 m. Spray lance 600 mm with nozzle. Fill level indication.
- » Integrated dosing unit to realise the desired air/foam mixture. Permanent pressure exposure is required in order to achieve an uniform foam result.
- » Suitable for the use in the food industry, car wash and industry.

R+M Nr.	TYP	Capacity
106 024 600	stainless steel AISI 304, V2A	24 l
106 050 600	stainless steel AISI 304, V2A	50 l
106 100 600	stainless steel AISI 304, V2A	100 l

R+M Nr.	TYP	Capacity
106 024 650	stainless steel AISI 304, V2A	24 l
106 050 650	stainless steel AISI 304, V2A	50 l
106 100 650	stainless steel AISI 304, V2A	100 l

Suitable for keeping and application of liquids of group 2 according to the directive EWG/67/548 Art. 2, para. 2 and directive EG/97/23 Art. 9. Not suitable for liquids of group 1.

Accessories for sprayer and foamer

Nozzle	Nozzle filters	Reduction nipples	Adaptor	Nut for nozzle	Seal
					
Sprayer. 100° 03	50 MESH	1/4" F : 1/2" M. Brass	Bayonet : 1/4" M	1/2" M	
R+M Nr. 609 110 03	R+M Nr. 106 909 2	R+M Nr. 575 40	R+M Nr. 106 900 1	R+M Nr. 554 714	R+M Nr. 106 909 3
		R+M Nr. 575 49			R+M Nr. 106 909 4

Foam gun



Features

- » Exceptional chemical resistance to acidic and caustic cleaner.
- » Foam generating wand creates a thick clinging foam.
- » Automatic dosing of chemicals.
- » Durable polymer mixing head with stainless steel screws.
- » Multi-ratio dial has 5 mixing settings and off.
- » Anti-siphon built into handle.
- » Gun is removable from quick coupling for clear rinsing with water.
- » Easy filling by means of wide mouth.
- » Only works with water pipe pressure.
- » Suitable for all customary water couplings.

Applications

Designed for applications with acidic and caustic cleaner, soaps, disinfectants, degreasing and softening agents. The field of application is very versatile.

- » Food industry and canteen kitchen
- » Sanitary facilities and swimming baths
- » Cleaning of trucks, cars and other vehicles
- » Garages and petrol stations
- » Shops and workshops

The foam gun directly connected to the public water pipe produces a cleaning foam by means of foam injector. The water pressure sucks in the cleaning agent and air, both are being mixed to consistent foam, sprayed out via the spraying head and the foam wand. The cleaning agent can also purposely and automatically be diluted via a built-in proportioner so that the right mixture of chemical and water as foam can be chosen for the cleaning application.

Technical specifications

Water pressure 2.5 - 6 bar (for maximum accuracy 3 - 4 bar)



Output 5.5 l/min

Mixing Ratio

Multi-ratio dial has 5 mixing settings and off

A	B	C	D	E	0
1:128	1:64	1:32	1:20	1:10	off



R+M Nr.		
106 996 500	incl. coupler plugs "universal"	1 l

Please use the backflow preventer (R+M Nr. 734 10 or 734 20) on page 26.

Symbols  thread  volume  length  material  insulation  colour

HACCP – Colour Coding Concept



new

R+M/Suttner's hygienic colour-coding concept

Suttner's color-coded concept provides a pragmatic approach to the food sector's challenges of ensuring efficient hygienic cleaning and a visibly safe physical environment in:

- » Food and beverage manufacturing facilities and throughout their supply chain
- » Professional kitchens and restaurants
- » Food-related areas of supermarkets and shops

Durable and effective accessories

All of R+M/Suttner's food-industry specific 'high hygiene' tools are made of 1935/2004/EC compliant materials and materials which meet the requirements of EC regulation 10/2011/EC regarding food contact materials and can be washed at high temperatures to eliminate germs and bacteria. All equipment is durable, fully molded to guarantee easy cleaning, and capable of maintaining a long-lasting attractive appearance. The effective tool range includes spray and foam guns, spray lances, nozzle protectors, foam lances and hoses in up to four color-code options.

HACCP - spray gun kits ST-2300, ST-2600, ST-2700

Kit contains half shells, logo plate, trigger and trigger lock



R+M Nr.

202 300 473



R+M Nr.

202 300 474



R+M Nr.

202 300 472



R+M Nr.

202 300 471

HACCP - lances ST-29

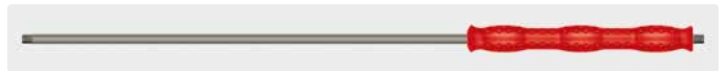
Lance with insulation ST-29 Cool & Compact. Comfortable grip and ergonomic shape. Heat-proof insulation. Max. 400 bar / 150 °C



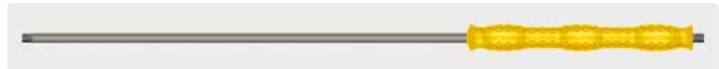
R+M Nr.	Ø	ISO	↔	M
200 029 317	1/4" M	300 mm	900 mm	stainless steel



R+M Nr.	Ø	ISO	↔	M
200 029 315	1/4" M	300 mm	900 mm	stainless steel



R+M Nr.	Ø	ISO	↔	M
200 029 318	1/4" M	300 mm	900 mm	stainless steel



R+M Nr.	Ø	ISO	↔	M
200 029 316	1/4" M	300 mm	900 mm	stainless steel

Suttner rotating nozzles in 4 colours



With effect from today we enlarge the choice of colours of the plastic plugs for our rotating nozzles ST-357, ST-456 and ST-458. In addition to the standard colour black, you are invited to take the nozzle in blue, red, yellow and green, now.

Plastic plugs for rotating nozzles ST-357

R+M Nr.	□
020 007 411	green
020 007 406	blue
020 007 412	red
020 007 409	yellow

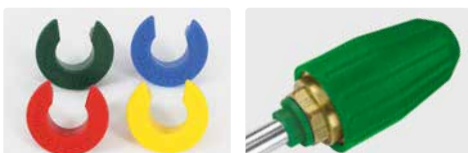
Plastic plugs for rotating nozzles ST-456

R+M Nr.	□
020 001 047	green
020 001 041	blue
020 001 048	red
020 001 046	yellow

Plastic plugs for rotating nozzles ST-458

R+M Nr.	□
020 001 031	green
020 001 026	blue
020 001 032	red
020 001 029	yellow

Lance clips



The lance clips suitable for all 1/4" lances are made out of polypropylene which is intended to come into contact with foodstuffs.

R+M Nr.	□
020 004 290	green
020 004 255	blue
020 004 260	red
020 004 230	yellow

Nozzle protector ST-11



- » The nozzle protector ST-11 is suitable for nozzles 1/4" M.
- » Made out of plastics intended to come into contact with foodstuffs according to Regulation (EC) No. 1935/2004.
- » It is clamped undetachably between the nozzle and the nozzle sleeve.

R+M Nr.	□
020 001 122	green
020 001 149	blue
020 001 121	red
020 001 123	yellow

