

ME21

  
**mosmatic** 

**MASTER CATALOGUE**

**2021**

CAR WASH | HIGH PRESSURE CLEANING | ROTARY UNIONS



Mosmatic Corporation, Bristol, USA



Mosmatic Canada Inc., Saint-Léonard, CA



Mosmatic Australasia Pty Ltd., Coopers Plains, AU

## FOREWORD

We are proud to present the new Mosmatic customer catalogue. For your convenience we have combined our three divisions into one informative book. Car wash, high pressure cleaning and our high-precision swivel/rotary union lines can now be found in one catalogue. Mosmatic products are a brand of quality, reliability and performance that customers have come to expect as well as value in their daily applications.

It is our aim to continually provide you with products of highest quality at all stages: design, production and handling. Mosmatic produces high-precision components and accessories that cross a multitude of product applications and industries. Our focus is to produce efficient and reliable products that exceed customer expectations and industry standards.

To ensure our promise to quality we design, develop and manufacture all our products to ISO 9001:2015 standards.

Many of our products are within this catalogue or online at [www.mosmatic.com](http://www.mosmatic.com). For the latest information about our products, follow us on social media.

This catalogue was produced with attention to details to provide you valuable product information. However, as we continue to develop and design products there may be the possibility of printing or typing errors.

All data and measurements are without guarantees. We reserve the right to make technical modifications at any time without prior notification.

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Any Questions or concerns? Please do not hesitate to contact the Mosmatic team.

## ABOUT US

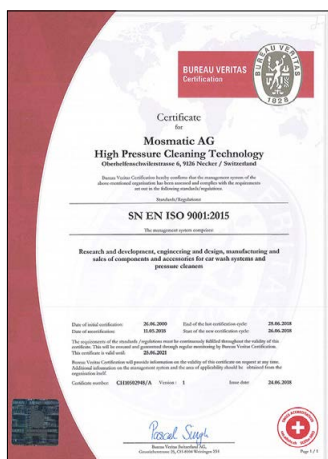
Mosmatic AG is a family owned and operated business that was founded in 1978. Our company name is put together of the first location of manufacture, a town named Mosnang, and the word automatic. (Mosnang Automatic = Mosmatic). After a few years of operation and growth our headquarters moved to a new and larger facility in Necker where we are still located today.

Mosmatic AG is a manufacturer based in Switzerland. For more than 40 years we successfully supply quality products for carwash industry, rotary unions and high pressure industries. At the place of the business we manufacture the entire range of our products and also handle a big part of the distribution of our global network.

Mosmatic is proud to process premium materials by using the latest technology machinery to produce high quality components and products. We market ready-made products for reselling and also offer customized solutions in state-of-the-art design. Reliability and the positive experience of using our products are due to continued improvements towards design, efficiency and durability.

Patrick Rieben (Managing Director):

"For us Quality is not just a slogan, but the bench mark for our efforts, priorities and goals."



SN EN ISO 9001:2015 Certificate



## GREEN LINE

Switzerland is one of the countries with the strictest environmental regulations worldwide. We are not just following those regulations but going beyond them. As manufacturer of rotary unions, car wash and high pressure equipment we are well aware of our responsibility towards nature. The green leaf represents our dedication towards the sustainability of Mosmatic products and processes.



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**Our goal:**

**To provide products that have appearance and performance alike,  
offering value to you and your customer.**

# CAR WASH

## **Mosmatic Self-Service Car Wash**

As the inventor of the Z-Ceiling booms, Mosmatic's innovations have helped to develop the most diverse line of ceiling and wall booms available today. The uniform appearance of the complete line along with their unsurpassed durability and ease of operation have made us the top choice and go to company for industrial and business professionals alike. Mosmatic's focus has always been to design, build and sell only the best products on the market.

## **Automatic Car and Tunnel Washes**

OEM's, service technicians and business owners know they can trust and rely on the quality of Mosmatic products. Designed to handle, and withstand the harsh wash environment, our products have proven they can and will perform to the highest standards. From concept, design and system upgrades let us be the number one source for you.

## **Commercial Vehicle Wash**

Industrial, performance grade solutions for the most demanding washes. From wheel washers, to undercarriage and those odd long distance hard to reach areas Mosmatic offers solutions to accommodate your needs. From smaller low volume applications to much larger high volume washes, our component selection is sure to have something to fit your needs.

## **Accessories**

Marketing and name brands, combined with reliable quality products, show your customers that you are not only a provider but a partner in the industry.



- ✓ 360° smooth rotation, rated to 275 bar
- ✓ Multiple booms with center rotation points
- ✓ Tension relief and hose guard protection
- ✓ Polished stainless steel (INOX)
- ✓ Clean and classic appearance

The ideal solution for self-service car washes. The unique shape of Mosmatic Z-booms allows the installation of multiple ceiling booms in one wash bay. This makes it possible to add profitable services such as foam applications and Air Drying to your existing programs.



## DKZ

Part No.	L	A	B	C	D	Weight
65.909	850	2500	550	800	400	7.8 kg
65.950	1200	3550	725	1150	575	8.7 kg
65.003	1450	4300	850	1400	700	9.6 kg
65.013	1550	4600	900	1500	750	9.9 kg
65.023	1650	4900	950	1600	800	10.2 kg
65.033	1750	5200	1000	1700	850	10.5 kg

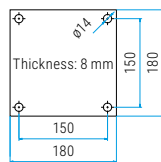
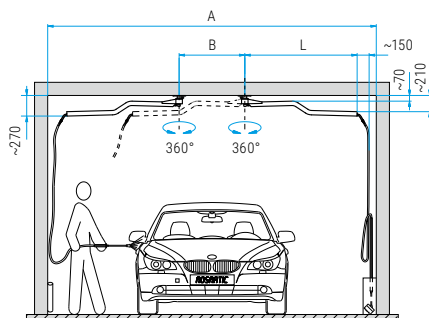
Part No. includes one ceiling boom.



## DKZF (with flex-arm)

Part No.	L	A	B	C	D	Weight
65.005	1450	4300	850	1400	700	10.2 kg
65.015	1550	4600	900	1500	750	10.4 kg
65.025	1650	4900	950	1600	800	10.5 kg
65.035	1750	5200	1000	1700	850	11.4 kg

Part No. includes one ceiling boom.



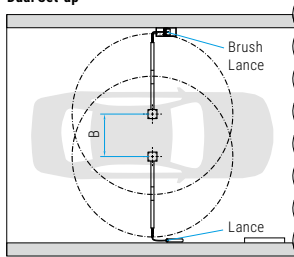
Bearable load for each bore at least 30'000 N (for example M12 bolt)

## TECHNICAL DATA

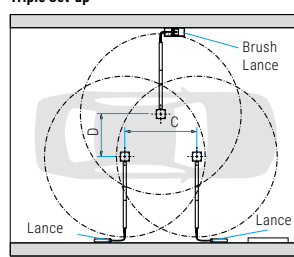
<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>Inlet (top &amp; side)</b>	G1/4" F (other options available)
<b>Outlet</b>	G1/4" M (other options available)
<b>Throughput medium</b>	water, oil, air at pH 3-12

 environmentally friendly products

### Dual Set-up

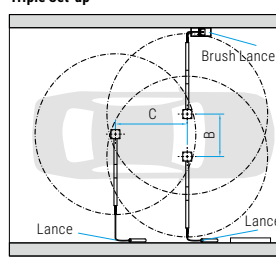


### Triple Set-up\*

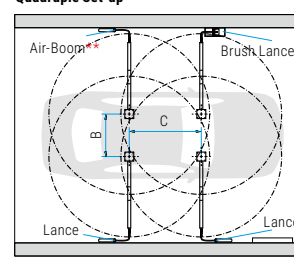


\* not suitable for mounting bracket 65.903

### Triple Set-up



### Quadruple Set-up



\*\* in combination with air boom DKZ booms must be extended with part no. 902.753.

## Legend

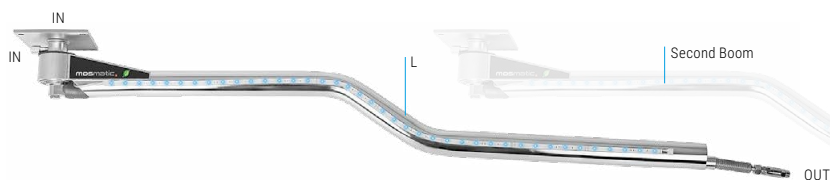
M... = metric thrust, .M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

# CEILING BOOM WITH LED LIGHTING



- ✓ Modern visual effects
- ✓ Visualisation of the wash cycles
- ✓ Additional lighting for the wash bay
- ✓ Stand out above competition

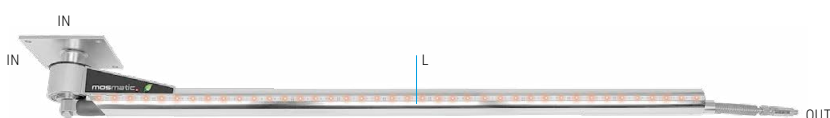
The worlds first for the self-service car wash. The LED Boom can be synchronized with your wash cycle to visualize your wash program. The LED ceiling boom is not only an eye-catcher for self-service car washes, but also provides additional lighting for the bay adding safety for your clients. This product should be installed by a certified electrician.



## DKZbl (without Control Box)

Part No.	L	A	B	Weight
65.203	1450	4300	850	9.8 kg
65.213	1550	4600	900	10.1 kg
65.223	1650	4900	950	10.4 kg
65.233	1750	5200	1000	10.7 kg

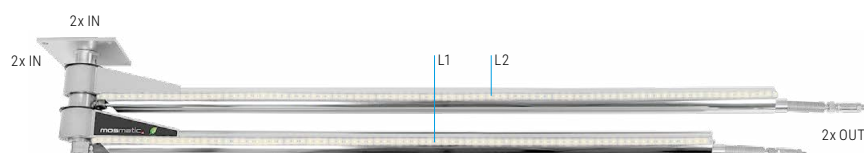
Part No. includes one ceiling boom.



## DKPbl (without Control Box)

Part No.	L	Weight
66.203	1450	9.6 kg
66.213	1600	9.9 kg
66.223	1750	10.2 kg
66.233	1900	10.5 kg
66.243	2050	10.8 kg

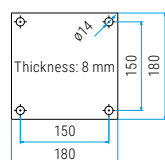
Part No.	L	Weight
66.253	2250	11.1 kg
66.263	2500	11.4 kg
66.273	2750	11.7 kg
66.283	3000	12.0 kg



## DDPbl (without Control Box)

Part No.	L1	L2	Weight
67.603	1450	1600	18.6 kg
67.613	1600	1750	18.9 kg
67.623	1750	1900	19.2 kg
67.633	1900	2050	19.5 kg
67.643	2050	2250	19.8 kg
67.653	2250	2500	21.1 kg

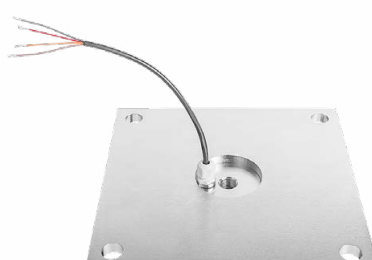
When using high and low pressure, we recommend to connect the low pressure to the upper boom.



Bearable load for each bore at least 30'000 N (for example M12 bolt)

## Energy ring connection

Color	Voltage	Feature
Black	positiv (+)	Power supply
Red	negativ (-)	controls red signal
Orange	negativ (-)	controls green signal
Brown	negativ (-)	controls blue signal



## LED-Control Box

Part No.	Includes
65.975	Controller, power supply, remote control, receiver with housing, for maximum 2x booms

## TECHNICAL DATA

Pressure	275 bar (27.5 MPa)
Temperature	120°C
Inlet (top & side)	G1/4" F (other options available)
Outlet	G1/4" M (other options available)
Operating voltage	24V
Light intensity	120 lx
Amount	30 x LED/m
IP Code	IP66
Throughput medium	water, oil, air at pH 3-12



## Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

- ✓ 360° smooth rotation, rated to 275 bar
- ✓ Sealed bearing design
- ✓ Multiple industrial application

The classic straight ceiling boom has uses in many industrial fields. A few examples are car wash, food processing, mining and manufacturing. A real all-around product with versatile applications anywhere liquids, air or gas are used.



## DKP

Part No.	L	Weight
66.975	850	7.8 kg
66.962	1200	8.7 kg
66.003	1450	9.6 kg
66.013	1600	9.9 kg
66.023	1750	10.2 kg
66.033	1900	10.5 kg

Part No.	L	Weight
66.043	2050	10.8 kg
66.053	2250	11.1 kg
66.063	2500	11.4 kg
66.073	2750	11.7 kg
66.083	3000	12.0 kg
66.093	5800	18.0 kg



## DKF (with flex-arm)

Part No.	L	Weight
66.503	1450	10.2 kg
66.513	1600	10.5 kg
66.523	1750	10.6 kg
66.533	1900	11.7 kg
66.543	2050	11.5 kg

Part No.	L	Weight
66.553	2250	12.0 kg
66.563	2500	12.3 kg
66.573	2750	12.9 kg
66.583	3000	13.7 kg



## DP2 (two separate mediums in one ceiling boom)

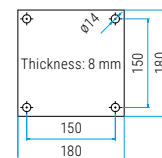
Part No.	L	Weight
66.451	1450	10.7 kg
66.452	1600	11.1 kg
66.453	1750	11.5 kg
66.454	1900	11.9 kg
66.455	2050	12.3 kg

Part No.	L	Weight
66.456	2250	12.7 kg
66.457	2500	13.1 kg
66.458	2750	13.5 kg
66.459	3000	13.9 kg

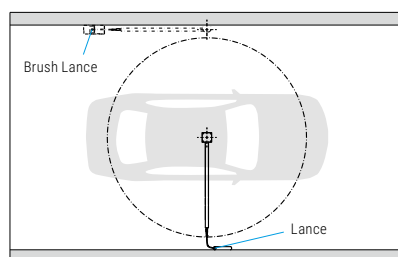
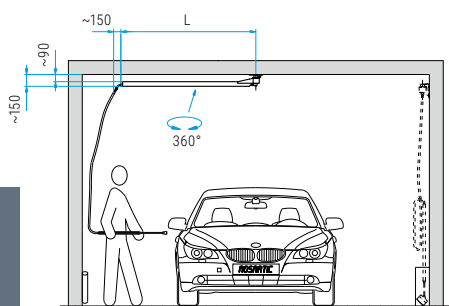


## DKR (hexagon shape)

Part No.	L	Weight
62.041	1450	10.0 kg
62.021	1600	10.4 kg
62.001	1750	10.8 kg



Bearable load for each bore at least 30'000 N (for example M12 bolt)



## TECHNICAL DATA

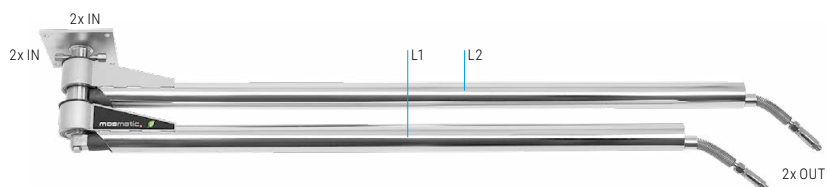
Pressure	275 bar (27.5 MPa)
Temperature	120°C
Inlet (top & side)	G1/4" F (other options available)
Outlet	G1/4" M (other options available)
Throughput medium	water, oil, air at pH 3-12

 environmentally friendly products

# DUAL CEILING BOOM

- ✓ A classic for the prep station
- ✓ Delivered ready for installation
- ✓ 2x 360° booms on one stem

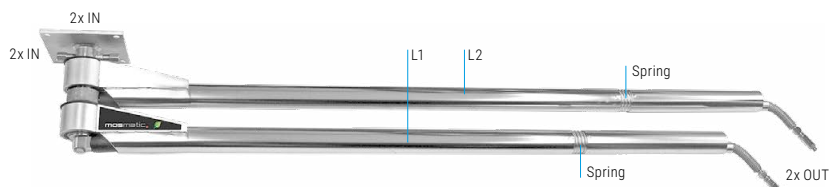
The dual ceiling boom is most efficient when installed in the pre-wash section of a tunnel wash or outside a self-service car wash for caravans. This is the area where they are most frequently used. If used in a self-service car wash, we recommend to connect the brush lance to the upper boom and the high pressure lance to the lower boom.



When using high and low pressure, we recommend to connect the low pressure to the upper boom.

## DDP

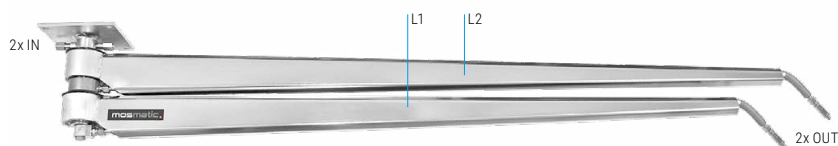
Part No.	L1	L2	Weight
67.403	1450	1600	18.6 kg
67.413	1600	1750	18.9 kg
67.423	1750	1900	19.2 kg
67.433	1900	2050	19.5 kg
67.443	2050	2250	19.8 kg
67.453	2250	2500	21.1 kg



When using high and low pressure, we recommend to connect the low pressure to the upper boom.

## DDF (with flex-arm)

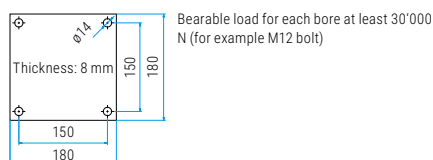
Part No.	L1	L2	Weight
63.403	1450	1600	18.1 kg
63.413	1600	1750	18.8 kg
63.423	1750	1900	19.3 kg
63.433	1900	2050	20.5 kg
63.443	2050	2250	22.3 kg
63.453	2250	2500	23.5 kg



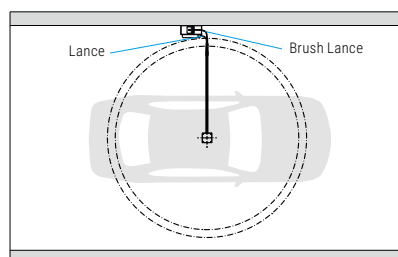
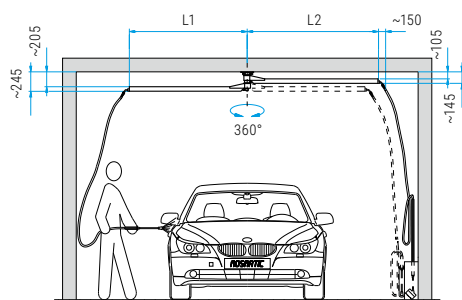
When using high and low pressure, we recommend to connect the low pressure to the upper boom.

## DDK (hexagon shape, HP-hose)

Part No.	L1	L2	Weight
64.021	1450	1600	19.2 kg
64.001	1600	1750	19.5 kg



Bearable load for each bore at least 30'000 N (for example M12 bolt)



## TECHNICAL DATA

Pressure	275 bar (27.5 MPa)
Temperature	120°C
Inlet (top & side)	G1/4" F (other options available)
Outlet	G1/4" M (other options available)
Throughput medium	water, oil, air at pH 3-12

**environmentally friendly products**

## Legend

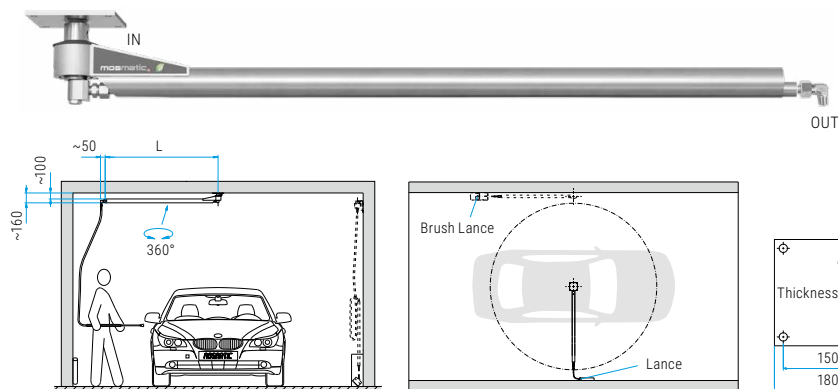
M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

# 1/2" CEILING BOOM 1/2" WALL BOOM

- ✓ 180°/360° smooth rotation
- ✓ High flow version
- ✓ 1/2" nominal width
- ✓ Sealed bearing design
- ✓ Multiple industrial applications



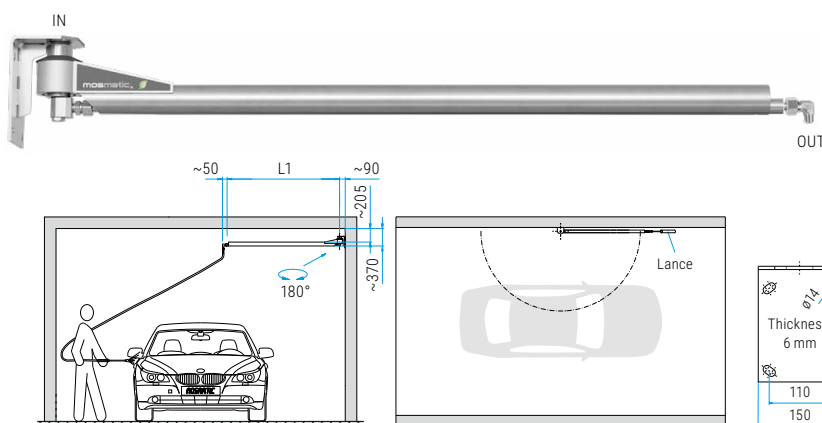
The classic straight ceiling boom is used in many industrial fields. A few examples are truck wash, food processing, mining and manufacturing. A real all-around product with versatile applications wherever liquids, air or gas in use.



## DKP 1/2" (with INOX-Pipe)

Part No.	L	Weight
66.411	1450	10.2 kg
66.412	1600	10.6 kg
66.413	1750	11.1 kg
66.414	1900	11.5 kg
66.415	2050	12.0 kg

Part No.	L	Weight
66.416	2250	12.4 kg
66.417	2500	12.9 kg
66.418	2750	13.3 kg
66.419	3000	13.8 kg



## WAE 1/2" (with INOX-Pipe)

Part No.	L	Weight
68.411	1450	10.0 kg
68.412	1600	10.7 kg
68.413	1750	11.4 kg
68.414	1900	12.1 kg
68.415	2050	12.8 kg

Part No.	L	Weight
68.416	2250	13.4 kg
68.417	2500	14.6 kg
68.418	2750	15.8 kg
68.419	3000	17.0 kg

## TECHNICAL DATA

Pressure	275 bar (27.5 MPa)
Temperature	120°C
Inlet (top or side)	G1/2" F (other options available)
Outlet	R1/2" M (other options available)
Throughput medium	water, oil, air at pH 3-12

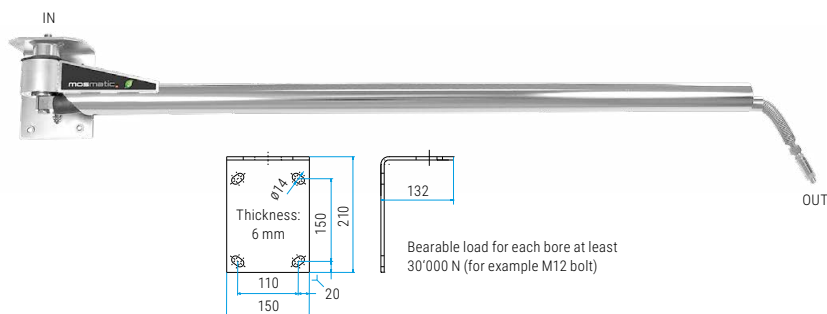
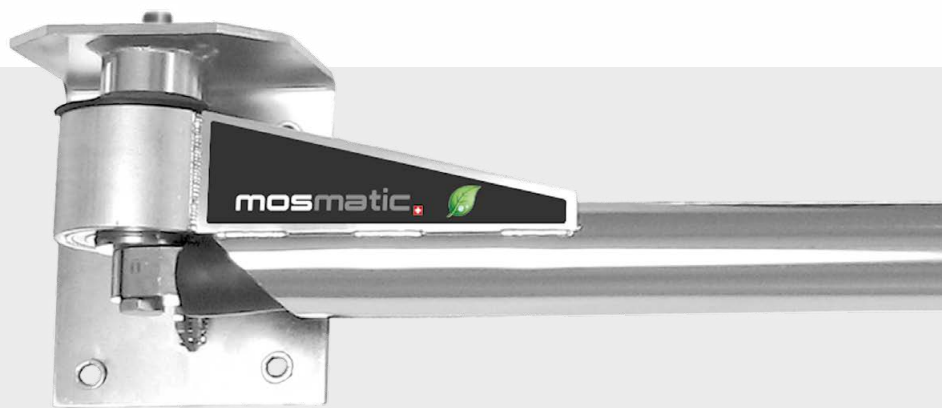


## Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

- ✓ 180° smooth rotation
- ✓ Insulated HP-hose
- ✓ Multiple industry application

Wall-mounted booms are ideal for outdoor areas or in wash bays where ceiling mounts are not an option. The wall bracket is designed for the boom to return to the resting position you selected.

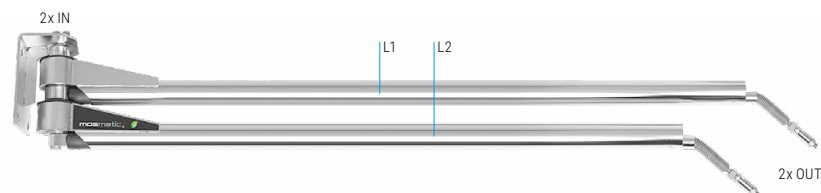


## WAE (with HP-hose)

Part No.	L	Weight
68.502	1450	10.2 kg
68.512	1600	10.9 kg
68.522	1750	11.6 kg
68.532	1900	12.3 kg
68.542	2050	13.0 kg
68.552	2250	13.7 kg
68.562	2500	14.9 kg
68.572	2750	16.1 kg
68.582	3000	17.3 kg

## WAE (with pipe)

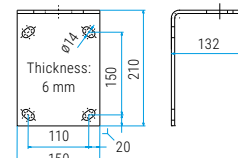
Part No.	L	Weight
68.301	1450	10.0 kg
68.302	1600	10.7 kg
68.303	1750	11.4 kg
68.304	1900	12.1 kg
68.305	2050	12.8 kg
68.306	2250	13.4 kg
68.307	2500	14.6 kg
68.308	2750	15.8 kg
68.309	3000	17.0 kg



When using high and low pressure, use upper boom for low pressure.

## WAD

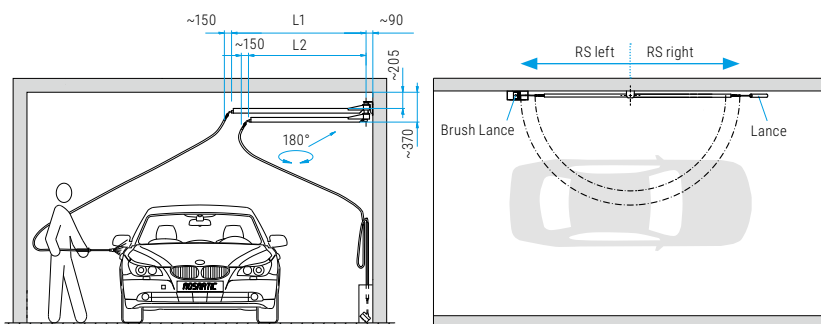
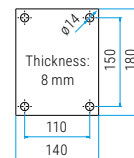
Part No.	L1	L2	Weight
61.402	1600	1450	19.1 kg
61.412	1750	1600	19.9 kg
61.422	1900	1750	20.7 kg
61.432	2050	1900	21.5 kg
61.442	2250	2050	22.4 kg
61.452	2500	2250	23.6 kg



Wall-Boom available with choice of park positions. w/o (neutral), left or right.

## WAN (with pipe)

Part No.	L	RS	Weight
60.001	2000	left	8.6 kg
60.002	2000	without	8.6 kg
60.003	2000	right	8.6 kg
60.021	2500	left	11.3 kg
60.022	2500	without	11.3 kg
60.023	2500	right	11.3 kg



## TECHNICAL DATA

Pressure	275 bar (27.5 MPa)
Temperature	120°C
Inlet (top & side)	G1/4" F (other options available)
Outlet	G1/4" M (other options available)
Throughput medium	water, oil, air at pH 3-12

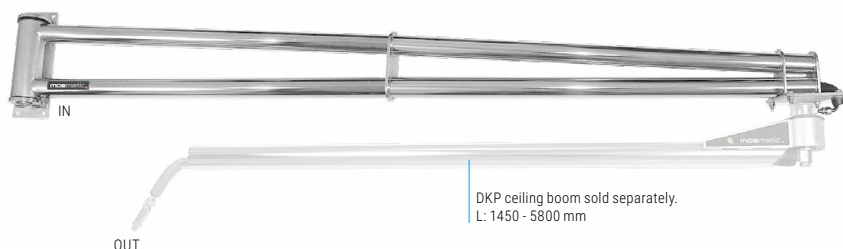
 environmentally friendly products

## Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

- ✓ Smooth, comfortable operation
- ✓ Extended work radius
- ✓ Solid construction

Whenever extended lengths and maximum flexibility are required, the wall-boom-extension is perfect for the job. Prime examples are truck wash bays, mining facilities, air craft maintenance and manufacturing plants. When combined correctly, a working radius of 12 meters is possible.



## WSA (1 inner pipe = 1 inlet)

Part No.	B	L max.	Weight
60.522	2000	1900	24.0 kg
60.532	2500	2250	25.5 kg
60.542	3000	2750	28.6 kg
60.983	4500	3000	51.8 kg
60.930	6000	6000	57.8 kg

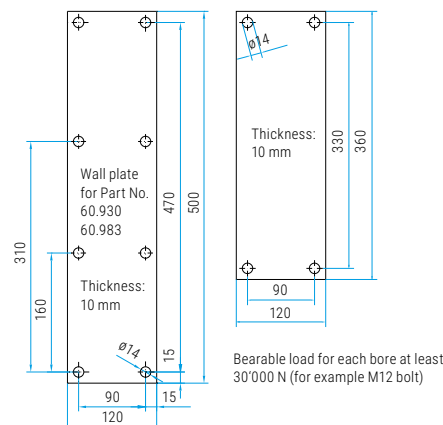
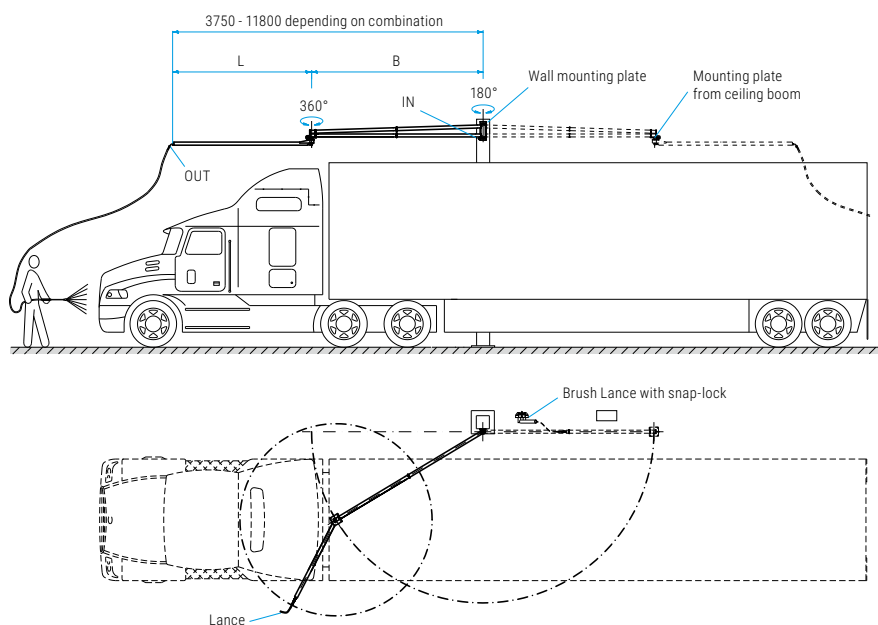
Add ceiling boom: DKP



## WSA-2R (2 inner pipes = 2 inlets)

Part No.	B	L max.	Weight
60.910	2000	1900	24.8 kg
60.911	2500	2250	27.3 kg
60.912	3000	2750	29.8 kg

Add ceiling boom: DP2





## TECHNICAL DATA


Pressure	275 bar (27.5 MPa)
Temperature	120°C
Inlet (bottom)	G1/4" F (other options available)
Outlet	G1/4" M (other options available)
Throughput medium	water, oil, air at pH 3-12

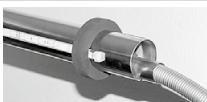
## Legend


M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position


Axle Extension	Part No.	Weight	
for ceiling booms, stainless steel extended by 760 mm	<b>902.293</b>	16.2 kg	


Bracket	Part No.	Weight	
with bumpers, stainless steel, for WAE	<b>68.952</b>	1.5 kg	


Break-Away Fitting	Part No.	Weight	
IN 3/8" NPTM, OUT 3/8"NPTF 400 bar, brass nickel plated	<b>52.903</b>	0.1 kg	
IN R1/4" M, OUT G1/4" F 400 bar, brass nickel plated	<b>52.904</b>	0.1 kg	
IN R3/8" M, OUT G3/8" F 400 bar, brass nickel plated	<b>52.905</b>	0.1 kg	


Bumper	Part No.	Weight	
for boom, ø60	<b>65.989</b>	0.01 kg	


Extension	Part No.	Weight	
for ceiling booms, stainless steel extends by 50 mm	<b>902.753</b>	2.2 kg	
for ceiling booms, stainless steel extends by 100 mm	<b>902.752</b>	4.0 kg	
for ceiling booms, stainless steel extends by 200 mm	<b>901.875</b>	6.6 kg	
for ceiling booms, stainless steel extends by 400 mm	<b>901.876</b>	10.0 kg	


HP-Hose	Part No.	Weight	
NW 6, standard car wash hose			
3000 mm, IN G1/4" F, OUT G1/4" F	<b>90.019</b>	1.1 kg	
3700 mm, IN G1/4" F, OUT G1/4" F	<b>90.020</b>	1.3 kg	
3950 mm, IN G1/4" F, OUT G1/4" F	<b>90.021</b>	1.4 kg	
4200 mm, IN G1/4" F, OUT G1/4" F	<b>90.022</b>	1.5 kg	
4450 mm, IN G1/4" F, OUT G1/4" F	<b>90.023</b>	1.5 kg	
4700 mm, IN G1/4" F, OUT G1/4" F	<b>90.024</b>	1.6 kg	
4950 mm, IN G1/4" F, OUT G1/4" F	<b>90.025</b>	1.7 kg	
5200 mm, IN G1/4" F, OUT G1/4" F	<b>90.026</b>	1.8 kg	
5450 mm, IN G1/4" F, OUT G1/4" F	<b>90.027</b>	1.9 kg	
5700 mm, IN G1/4" F, OUT G1/4" F	<b>90.028</b>	2.0 kg	


HP-Hose Comfort	Part No.	Weight	
NW 8 (3/8"), NW 6 (1/4"), M14) lightweight construction, inner core PES			
3500 mm, IN G3/8" M, OUT G3/8" M	<b>90.069</b>	0.5 kg	
4200 mm, IN G3/8" M, OUT G3/8" M	<b>90.059</b>	0.6 kg	
4700 mm, IN G3/8" M, OUT G3/8" M	<b>90.072</b>	0.6 kg	
3500 mm, IN G3/8" F, OUT G3/8" F	<b>90.078</b>	0.5 kg	
4200 mm, IN G3/8" F, OUT G3/8" F	<b>90.079</b>	0.6 kg	
4700 mm, IN G3/8" F, OUT G3/8" F	<b>90.080</b>	0.6 kg	
3500 mm, IN G1/4" F, OUT G1/4" F	<b>90.081</b>	0.5 kg	
4200 mm, IN G1/4" F, OUT G1/4" F	<b>90.082</b>	0.6 kg	
4700 mm, IN G1/4" F, OUT G1/4" F	<b>90.083</b>	0.6 kg	
3500 mm, IN M14 F, OUT M14 F	<b>90.084</b>	0.5 kg	
4200 mm, IN M14 F, OUT M14 F	<b>90.085</b>	0.6 kg	
4700 mm, IN M14 F, OUT M14 F	<b>90.086</b>	0.6 kg	

LED-Control Box	Part No.	Weight	
for maximum 2x booms Includes: Controller, power supply, remote control, receiver with housing	<b>65.975</b>	0.6 kg	

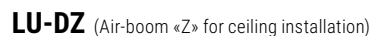
Mounting Bracket	Part No.	Weight	
for DKZ, stainless steel 1200/220/50 mm (L/W/H)	<b>65.903</b>	13.9 kg	
for DKZ, stainless steel 1900/220/50 mm (L/W/H)	<b>65.988</b>	21.0 kg	

Positioning Device	Part No.	Weight	
ø50 with magnet, height adjustable	<b>65.952</b>	0.7 kg	
ø60 with magnet, height adjustable	<b>65.911</b>	0.7 kg	

Three Way Valve	Part No.	Weight	
for DP2, IN 2x G1/4" F, OUT G1/4" F	<b>90.064</b>	0.6 kg	

Wall Bracket Universal	Part No.	Weight	
for ceiling booms, stainless steel	<b>65.940</b>	3.0 kg	

- Using Mosmatic Air-System Booms will not only keep your hoses off the ground, but stops the customer from dragging wet and dirty hoses onto their vehicles. Available in: wall, floor or ceiling mount. For use with a vacuum or Mosmatic Air-Dry.

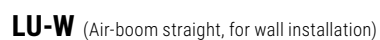


Part No.	L	ø	Connection	Weight
<b>60.324</b>	1550	50	side	8.5 kg
<b>60.326</b>	1550	50	top	8.2 kg

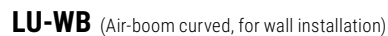
Part No. includes one boom.



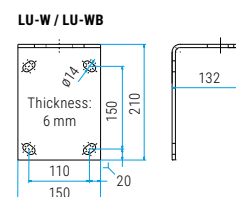
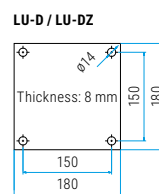
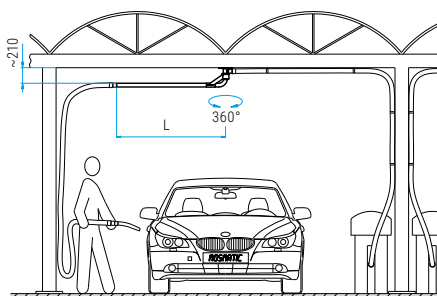
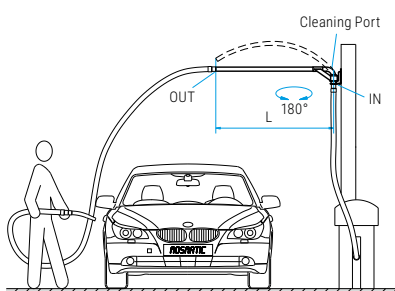
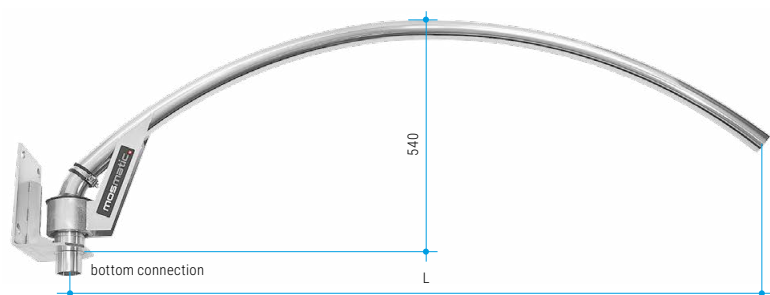
Part No.	L	ø	Connection	Weight
<b>60.301</b>	1600	40	side	7.5 kg
<b>60.306</b>	1600	40	top	8.0 kg
<b>60.310</b>	1600	50	side	7.5 kg
<b>60.313</b>	1600	50	top	8.0 kg



Part No.	L	ø	Connection	Weight
<b>60.302</b>	1600	40	bottom	7.5 kg
<b>60.311</b>	1600	50	bottom	8.0 kg
<b>60.925</b>	1000	40	bottom	7.0 kg



Part No.	L	ø	Connection	Weight
<b>60.958</b>	1700	50	bottom	8.6 kg



Bearable load for each bore at least 30'000 N (for example M12 bolt)

- ✓ 180° or 360° smooth rotation
- ✓ Polished stainless steel
- ✓ Solid construction
- ✓ Ideal for vacuum islands

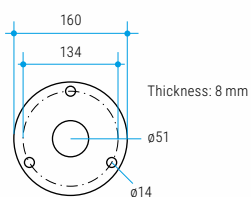
Mosmatic free standing floor mounted air-booms allow you the convenience of placing your boom where you need it. Choose between a 180° or 360° rotation.



## LU-B (Air system stand 360°)

Part No.	ø	Weight
60.303	40	17.1 kg
60.312	50	21.8 kg

Air-system boom included.

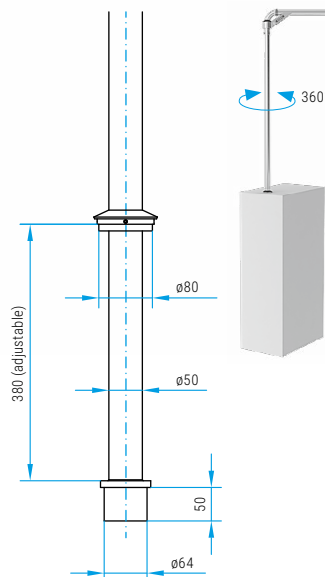


Bearable load for each bore at least 30'000 N (for example M12 bolt)

## LU-S (Air system stand 360°)

Part No.	ø	Weight
60.971	50	9.5 kg

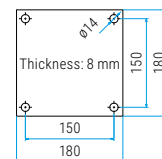
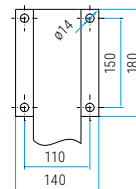
Air-system boom included.  
Mount on standalone vacuum.



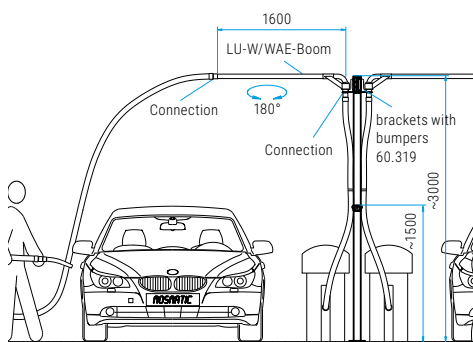
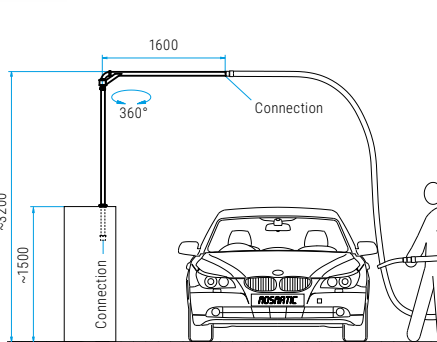
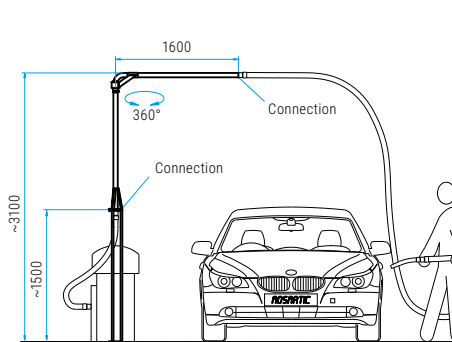
## LU-Z (Air system stand 180°)

Part No.	Weight
60.318	24.0 kg

Without Air-boom, suitable for 2x LU-W or WAE.



Bearable load for each bore at least 30'000 N (for example M12 bolt)



### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

MOSMATIC DRYER

- ✓ In bay or island self serve drying
- ✓ Quick and streak-free drying
- ✓ Additional source of income



Mosmatic Dry is the new, profit-generating attraction in self-service car wash systems. It dries vehicles, motorcycles and boats efficiently and leaves any type of vehicle streak free in the summer and winter. Gentle on your vehicles finish.



MOSMATIC DRY

Dryer unit suitable for all Mosmatic Air-booms. A new attraction in your wash bay.

Part No.	Weight
60.396	32.0 kg

Universal dryer used for cars, motorcycles and boats. For wall installations. Also installs directly to your car wash vac using universal mounting plate. Mosmatic Dry needs to be installed under a roof.

- Ready for installation:
- dryer with 230 volt (illuminated)
  - 2 x 1600 watt motors
  - air-gun
  - gun-holder (wall mount)
  - hose (4500 mm)
  - hose (750 mm), connection housing to boom
  - operator guide plaque
  - installation instructions









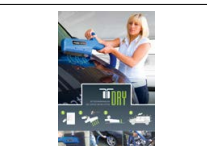


DRYER PACKAGES

Part No.	Includes
60.929	Ceiling Boom (1550 mm), 90° Pipe, Pulley, Mosmatic Dry (blue), Gun/-holder, Hoses
60.931	Wall Boom (1600 mm), Mosmatic Dry (blue), Gun/-holder, Hoses
60.961	Wall Boom (1600 mm), Mosmatic Dry (red), Gun/-holder, Hoses



Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

<b>Air-System Wall Boom Extension &amp; Air-System Boom</b> ø50, for wall mounting, top connection, 3000/2600 mm	<b>Part No.</b>	<b>Weight</b>	
	<b>60.955</b>	37.4 kg	
<b>Bracket</b> with bumpers, for LU	<b>Part No.</b>	<b>Weight</b>	
	<b>60.319</b>	2.9 kg	
<b>Extension (1000 mm)</b> ø40, 1x Pipe clamp included ø50, 1x Pipe clamp included	<b>Part No.</b>	<b>Weight</b>	
	<b>60.304</b> <b>60.315</b>	1.6 kg 1.9 kg	
<b>Extension (600 mm)</b> ø50, 1x Pipe clamp included	<b>Part No.</b>	<b>Weight</b>	
	<b>60.321</b>	1.6 kg	
<b>Mosmatic Mat holder</b> for wall mounting, INOX	<b>Part No.</b>	<b>Weight</b>	
	<b>90.050</b>	0.4 kg	
<b>Mounting Bracket</b> for DKZ, stainless steel 1200/220/50 mm (L/W/H) for DKZ, stainless steel 1900/220/50 mm (L/W/H)	<b>Part No.</b>	<b>Weight</b>	
	<b>65.903</b> <b>65.988</b>	13.9 kg 21.0 kg	
<b>Pipe clamp with bar and rubber</b> ø40 for air system ø50 for air system	<b>Part No.</b>	<b>Weight</b>	
	<b>902.480</b> <b>902.432</b>	0.05 kg 0.06 kg	
<b>Pulley</b> 1.5m wire rope, pulling force up to 30N ø40, 2x Pipe clamp included ø50, 2x Pipe clamp included	<b>Part No.</b>	<b>Weight</b>	
	<b>60.307</b> <b>60.320</b>	0.8 kg 0.8 kg	
<b>Sign for Mosmatic Dryer</b> Bay instructional 420/594/2 mm, Forex	<b>Part No.</b>	<b>Weight</b>	
	<b>902.877</b>	0.3 kg	
<b>Swivel coupling</b> ø40, INOX, 1x Pipe clamp included ø50, INOX, 1x Pipe clamp included	<b>Part No.</b>	<b>Weight</b>	
	<b>60.308</b> <b>60.323</b>	0.4 kg 0.5 kg	
<b>90° Pipe</b> ø40, 1x Pipe clamp included ø50, 1x Pipe clamp included	<b>Part No.</b>	<b>Weight</b>	
	<b>60.305</b> <b>60.314</b>	0.4 kg 0.4 kg	


## Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

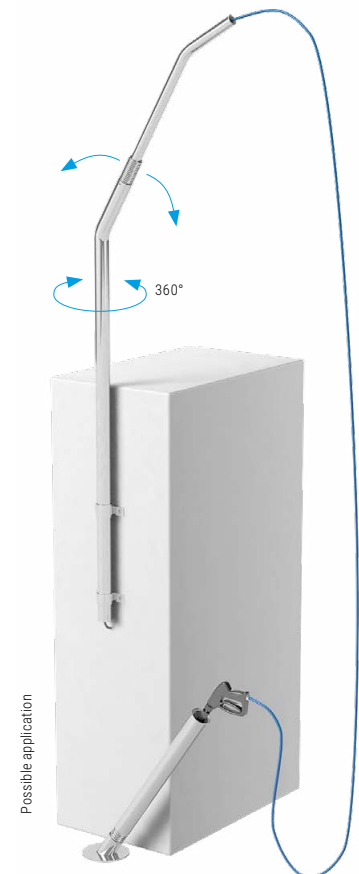
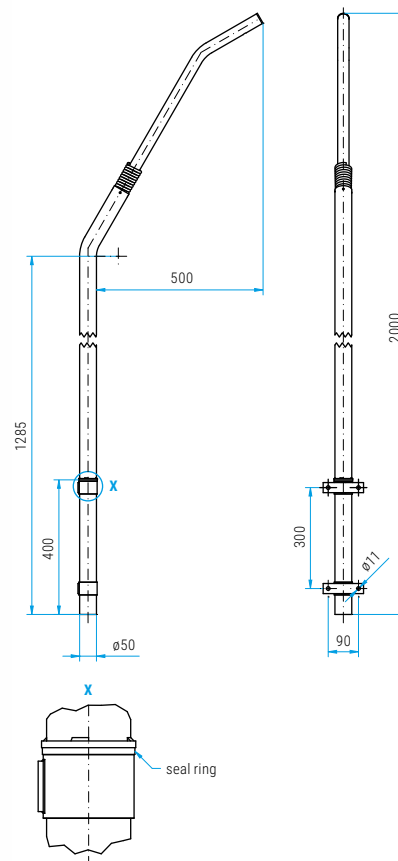
- The convenient solution for a single wash station! The 360° range of rotation and built-in tension spring take up a minimal amount of space with full range of motion. All stainless steel vertical boom, mounting brackets included.



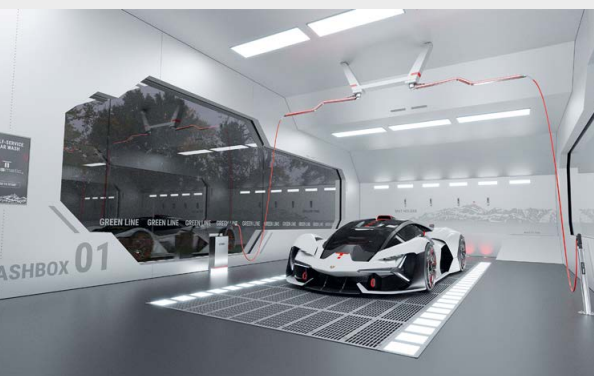
Part No.	Length	Weight
<b>60.701</b>	2000 mm	4.5 kg
<b>60.975</b>	2000 mm	4.7 kg



60.975  
with additional spring



- ✓ Everything for one-stop shopping
- ✓ Air-System boom option
- ✓ Complete package for self-service car wash



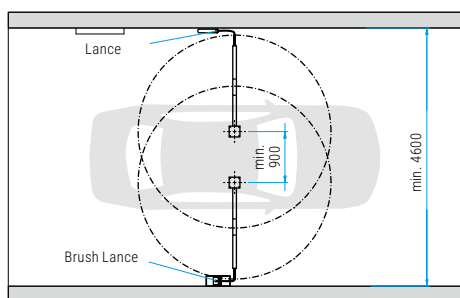
Equip your self-service car wash with the Mosmatic bay-package. Packages contain all the components to complete your self serve bays to have that finished clean appearance and functionality.

## 2 Packages, 4 Possibilities

### Easy to combine:

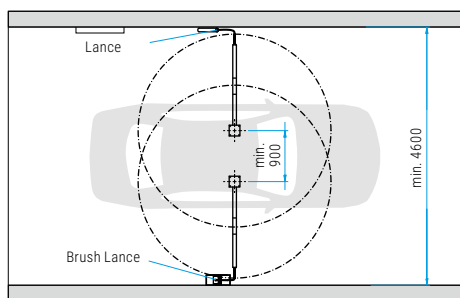
- Dual Set-up
- Dual Set-up for Weep-System
- Triple Set-up with MOSMATIC DRY
- Triple Set-up for Weep-System and MOSMATIC DRY

Products suited for water recycling



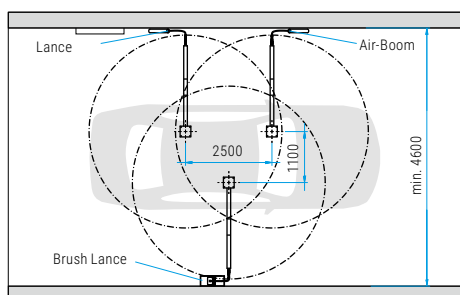
## Dual Set-up

Part No.	65.935	
Contains		
Part No.	Quantity	Description
65.013	2x	DKZ-Boom, 1550 mm, polished
24.980	1x	Lance straight, 750/400, with nozzle guard
29.076	1x	High pressure ceramic nozzle, Spray angle 80°
24.985	1x	Brush Lance bent, 1050/800, swiveling
29.025	1x	Handle, PP - Ergonomically
29.100	1x	HP-gun, 310 bar, 150°C
52.004	1x	Adapter, brass nickel plated
29.097	1x	Lance-Holder spring model, with recovery port, floor mounted, stainless steel
29.026	1x	Brush-Bucket wall mounted, 2" drain plug, stainless steel
90.050	2x	Mat-holders, stainless steel
90.082	2x	HP-hose comfort, NW6, 200 bar, 60°C, length: 4200 mm



## Dual Set-up for Weep-System

Part No.	65.936	
Contains		
Part No.	Quantity	Description
65.013	2x	DKZ-Boom, 1550 mm, polished
24.980	1x	Lance straight, 750/400, with nozzle guard
29.076	1x	High pressure ceramic nozzle, Spray angle 80°
24.985	1x	Brush Lance bent, 1050/800, swiveling
29.025	1x	Handle, PP - Ergonomically
29.033	1x	HP-gun with weep-system, 310 bar, 150°C
52.004	1x	Adapter, brass nickel plated
29.097	1x	Lance-Holder spring model, with recovery port, floor mounted, stainless steel
29.027	1x	Brush-Bucket wall- and floor mounted, 2" drain plug with overflow, stainless steel
90.050	2x	Mat-holders, stainless steel
90.082	2x	HP-hose comfort. NW6. 200 bar. 60°C. length: 4200 mm



## MOSMATIC DRY Add-on to Dual Set-up

Part No.	60.929	
Contains		
Part No.	Quantity	Description
60.326	1x	Air-Boom 2", 1550 mm, Ceiling-mounted
60.314	1x	90° elbow, ø50 mm, including clamp, INOX
60.320	1x	Pulley, including clamps
60.396	1x	MOSMATIC DRY „Dryer“, wall-model, 230V

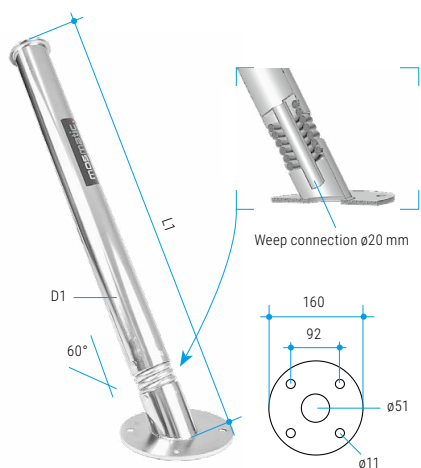
For a more compact installation use extension shaft 902.753.

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

- ✓ High-quality workmanship
- ✓ Polished stainless steel
- ✓ Solid construction

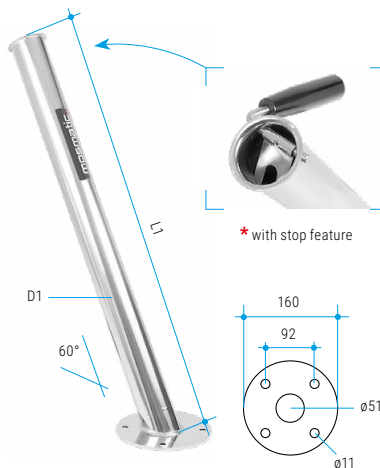
Only Mosmatic offers you such an extensive variety of lance holders. Solid construction and high quality materials enhance their function and appearance that increases the value of your wash bay.



## Lance holder

spring model, floor mounted, with weep connection

Part No.	L1	D1	Weight
29.097	705	60	3.1 kg
29.121	855	60	3.8 kg

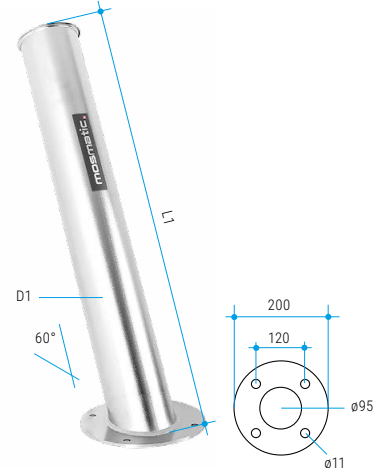


## Lance holder

with weep connection ø20, floor mounted

Part No.	L1	D1	Weight
29.028*	740	60	2.7 kg
29.113	740	60	2.3 kg

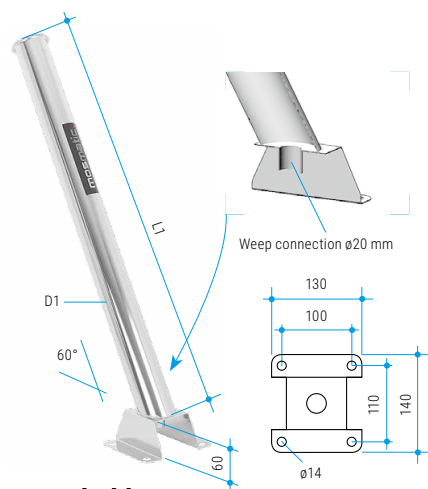
29.975 Stop feature replacement set



## Lance holder

with weep connection ø20, floor mounted

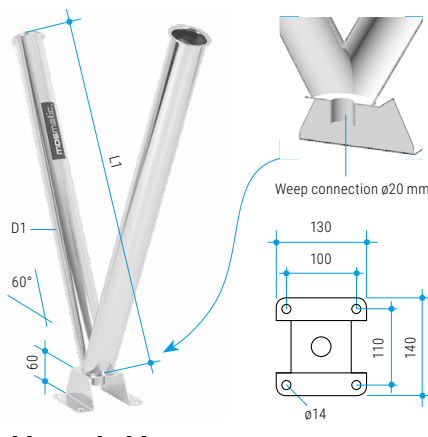
Part No.	L1	D1	Weight
29.127	720	100	3.6 kg



## Lance holder

with weep connection, floor mounted

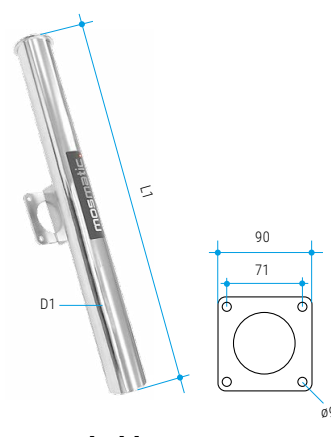
Part No.	L1	D1	Weight
29.115	740	60	2.0 kg



## Dual lance holder

with weep connection, floor mounted

Part No.	L1	D1	Weight
29.124	740	60	4.0 kg



## Lance holder

wall mounted

Part No.	L1	D1	Weight
29.083	590	60	1.7 kg
29.128	200	60	0.9 kg
29.143	720	100	3.3 kg

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

## BRUSH BUCKET

- ✓ Polished stainless steel
- ✓ Rugged design
- ✓ Solid construction
- ✓ High-quality workmanship
- ✓ Delivered ready to install



Mosmatic Brush buckets are made of stainless steel and come complete with wash out debris collectors. The high quality workmanship and state of the art design, upgrade your wash bay both visually and functionally.



### Brush bucket

wall- and floor mounted, polished stainless steel, 2" (ø50) drain

Part No.	W	H	D	Weight
29.026	340	670	143	8.2 kg



### Brush bucket

wall- and floor mounted with overflow, polished stainless steel, 2" (ø50) drain

Part No.	W	H	D	Weight
29.027	340	670	143	8.4 kg



### Brush bucket

wall- and floor mounted with overflow, polished stainless steel, 2" (ø50) drain, with a connection at the back

Part No.	W	H	D	Weight
29.114	340	670	163	8.4 kg



### Brush holder

for all sorts of brushes, wall mounted

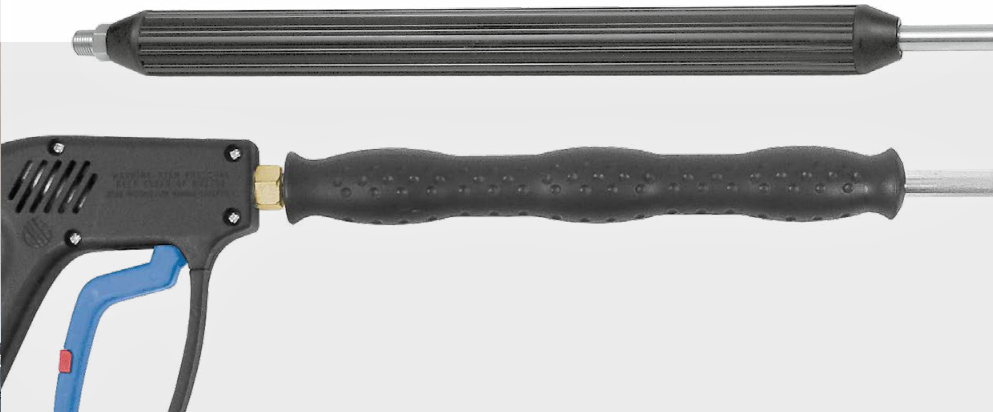
Part No.	W	H	D	Weight
29.030	250	90	100	0.5 kg

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

- ✓ High-quality workmanship
- ✓ Polyurethane grip
- ✓ Delivered ready for installation

Mosmatic lances made of high quality stainless steel are the standard for your wash bay. The solid construction and the unique workmanship ensure longevity and value. Each lance has a modular design which allows for individual customer requirements. You choose the in-put out-put, length, grip and matching accessories to suit your needs.



## TECHNICAL DATA

Pressure	275 bar (27.5 MPa)
Temperature	120°C
Nominal width	6
Throughput medium	pH 3-12

## Mosmatic LAN-C (Classic)

Part No.	L	GL	G1	WS	DG	IN	OUT	Weight
24.980	750	400	straight	---	---	R1/4" M	G3/8" M + 1/8" NPTF	0.53 kg
24.981	750	400	bent	---	---	R1/4" M	G3/8" M + 1/8" NPTF	0.53 kg
24.982	1050	400	straight	---	---	R1/4" M	G3/8" M + 1/8" NPTF	0.64 kg
24.983	1050	400	bent	---	---	R1/4" M	G3/8" M + 1/8" NPTF	0.64 kg

25.911	950	800	bent	---	---	R1/4" M	1/2" NPTM	0.68 kg
25.912	950	800	bent	---	---	G1/4" F	1/2" NPTM	0.68 kg
25.913	950	800	bent	---	---	R3/8" M	1/2" NPTM	0.68 kg
25.914	950	800	bent	---	---	G3/8" F	1/2" NPTM	0.68 kg
25.915	950	800	bent	---	---	R1/2" M	1/2" NPTM	0.72 kg
25.916	950	800	bent	---	---	G1/2" F	1/2" NPTM	0.72 kg

L = total length, GL = grip length, Nozzles not included.

## Mosmatic LAN-P (Pro)

Part No.	L	GL	G1	WS	DG	IN	OUT	Weight
28.520	600	300	straight	---	---	G3/8" F	1/4" NPTF	1.03 kg
28.521	600	300	bent	---	---	G3/8" F	1/4" NPTF	1.03 kg
28.522	600	300	straight	yes	---	G3/8" F	1/4" NPTF	1.03 kg
28.523	600	300	bent	yes	---	G3/8" F	1/4" NPTF	1.03 kg
28.524	600	300	straight	yes	yes	G3/8" F	1/4" NPTF	1.16 kg
28.525	600	300	bent	yes	yes	G3/8" F	1/4" NPTF	1.16 kg
28.530	1000	700	straight	---	---	G3/8" F	1/4" NPTF	1.41 kg
28.531	1000	700	bent	---	---	G3/8" F	1/4" NPTF	1.41 kg
28.532	1000	700	straight	yes	---	G3/8" F	1/4" NPTF	1.41 kg
28.533	1000	700	bent	yes	---	G3/8" F	1/4" NPTF	1.41 kg
28.534	1000	700	straight	yes	yes	G3/8" F	1/4" NPTF	1.54 kg
28.535	1000	700	bent	yes	yes	G3/8" F	1/4" NPTF	1.54 kg

L = total length (without HP-Gun), GL = grip length, Nozzles not included.

## Mosmatic LAN-P (Pro)

Art. Nr.	L	GL	G1	WS	DG	IN	OUT	Weight
904.098	330	300	straight	---	---	G1/4" M	G1/4" M	0.3 kg
902.917	600	300	straight	---	---	G1/4" M	G1/4" M	0.4 kg
902.964	600	300	bent	---	---	G1/4" M	G1/4" M	0.4 kg
903.655	700	300	straight	---	---	G1/4" M	G1/4" M	0.4 kg
902.982	700	300	bent	---	---	G1/4" M	G1/4" M	0.4 kg
903.118	900	700	straight	---	---	G1/4" M	G1/4" M	0.8 kg
904.848	900	700	bent	---	---	G1/4" M	G1/4" M	0.8 kg
902.918	1000	300	straight	---	---	G1/4" M	G1/4" M	0.6 kg
902.981	1000	300	bent	---	---	G1/4" M	G1/4" M	0.6 kg

L = total length, GL = grip length, Nozzles not included.

## Legend

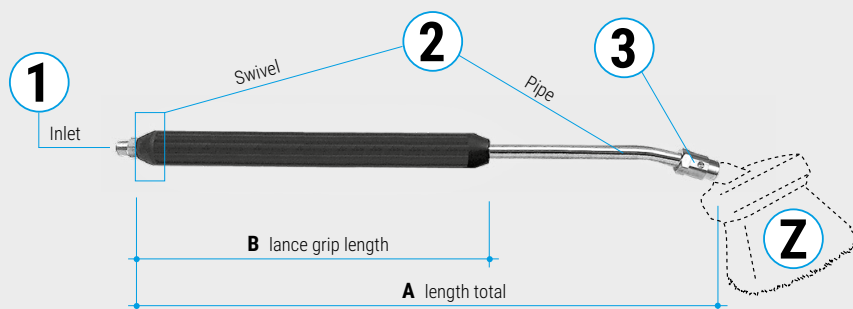
M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

# INDIVIDUAL LANCES

- ✓ **Customize to your needs**
- ✓ **Quality craftsmanship**



Design your personal high pressure lance. Simply choose the in-put out-put, length, grip and matching accessories to suit your needs. Follow the steps 1, 2 and 3 to get the correct part number.



1	Inlet	No.
		21.
		22.
		23.
		24.

		Pipe straight		Pipe bent	
		without Swivel	with Swivel	without Swivel	with Swivel
A	B	No.	No.	No.	No.
250 mm	200 mm	01	41	-	-
350 mm	200 mm	02	42	22	62
500 mm	200 mm	03	43	23	63
650 mm	400 mm	04	44	24	64
750 mm	400 mm	05	45	25	65
850 mm	400 mm	06	46	26	66
850 mm	800 mm	07	47	-	-
950 mm	400 mm	08	48	28	68
950 mm	800 mm	09	49	29	69
1050 mm	400 mm	10	50	30	70
1050 mm	800 mm	11	51	31	71
1250 mm	1000 mm	12	52	32	72
1500 mm	1300 mm	13	53	33	73
1750 mm	1300 mm	14	54	34	74
2000 mm	1800 mm	15	55	35	75

**Your Part No.**



3	Outlet	No.
	Nozzle socket 1/8" NPTF for locking-screw	0
	Nozzle socket 1/8" NPTF for snap-lock	1
	Nozzle socket 1/4" NPTF for locking-screw	2
	Nozzle socket 1/4" NPTF for snap-lock	3
	R1/4" M (R=conical)	4
	Foam injector ø2.5 R1/4" M (R=conical)	5
	Nozzle socket G3/8" M 1/8" NPTF	6
	Nozzle socket ø16 1/4" NPTF	7

Z	Suitable Accessories
29.001	
29.002	
29.003	
29.006	
29.007	
29.010	

Nozzles not included.

## Legend

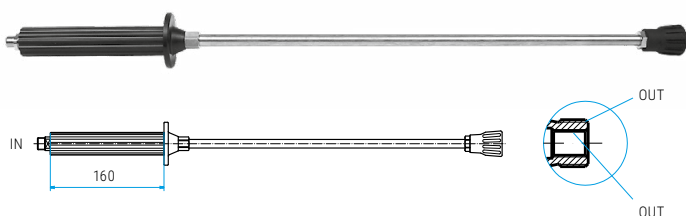
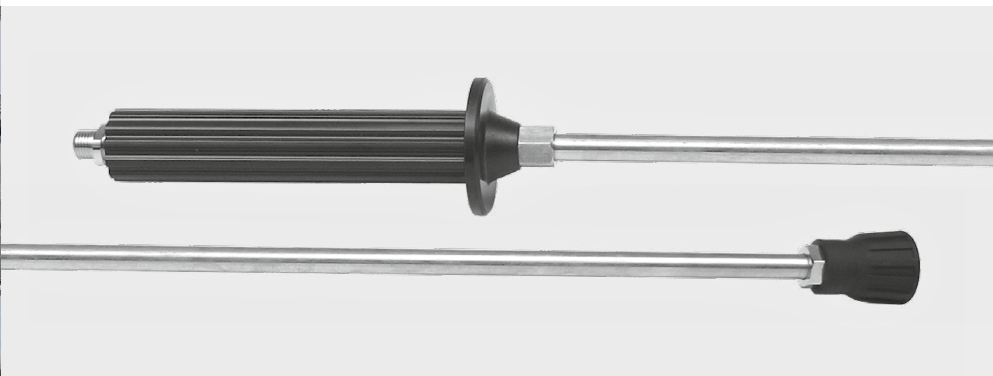
M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

## LANCE WITH FILTER SIEVE

- ✓ High-quality craftsmanship
- ✓ Polyurethane grip
- ✓ Optimal for recycled water



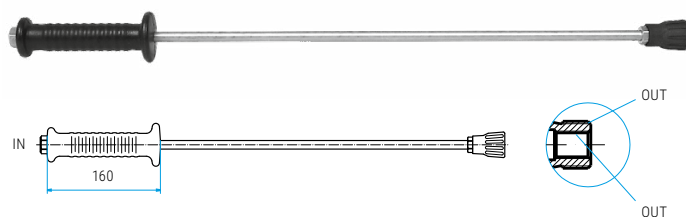
The high quality stainless steel Mosmatic lance with integrated sieve. Ideal for an application not using a high pressure gun, connecting the hose directly to the lance.



### Mosmatic LAS-C (Classic-Lance with filter sieve, hard plastic handle)

Part No.	L	IN	OUT	Weight
28.003	500	G1/4" M	G3/8" M + 1/8" NPTF	0.5 kg
28.004	650	G1/4" M	G3/8" M + 1/8" NPTF	0.5 kg
28.005	750	G1/4" M	G3/8" M + 1/8" NPTF	0.6 kg
28.006	850	G1/4" M	G3/8" M + 1/8" NPTF	0.6 kg
28.007	950	G1/4" M	G3/8" M + 1/8" NPTF	0.7 kg
28.008	1050	G1/4" M	G3/8" M + 1/8" NPTF	0.7 kg
28.053	500	G3/8" M	G3/8" M + 1/8" NPTF	0.5 kg
28.054	650	G3/8" M	G3/8" M + 1/8" NPTF	0.6 kg
28.055	750	G3/8" M	G3/8" M + 1/8" NPTF	0.6 kg
28.056	850	G3/8" M	G3/8" M + 1/8" NPTF	0.6 kg
28.057	950	G3/8" M	G3/8" M + 1/8" NPTF	0.7 kg
28.058	1050	G3/8" M	G3/8" M + 1/8" NPTF	0.7 kg
28.103	500	G1/4" M	1/4" NPTF	0.5 kg
28.104	650	G1/4" M	1/4" NPTF	0.5 kg
28.105	750	G1/4" M	1/4" NPTF	0.6 kg
28.106	850	G1/4" M	1/4" NPTF	0.6 kg
28.107	950	G1/4" M	1/4" NPTF	0.7 kg
28.108	1050	G1/4" M	1/4" NPTF	0.7 kg
28.153	500	G3/8" M	1/4" NPTF	0.5 kg
28.154	650	G3/8" M	1/4" NPTF	0.6 kg
28.155	750	G3/8" M	1/4" NPTF	0.6 kg
28.156	850	G3/8" M	1/4" NPTF	0.6 kg
28.157	950	G3/8" M	1/4" NPTF	0.7 kg
28.158	1050	G3/8" M	1/4" NPTF	0.7 kg

L = total length, Nozzles not included.



### Mosmatic LAH-C (Classic- Lance with filter, Polyurethane - molded soft handle)

Part No.	L	IN	OUT	Weight
28.404	650	G3/8" F	G3/8" M + 1/8" NPTF	0.5 kg
28.414	650	G3/8" F	G3/8" M + 1/4" NPTF	0.5 kg
28.405	750	G3/8" F	G3/8" M + 1/8" NPTF	0.5 kg
28.415	750	G3/8" F	G3/8" M + 1/4" NPTF	0.5 kg

L = total length  
100 pieces or more available with red or blue handles. Nozzles not included.

#### TECHNICAL DATA

Pressure	275 bar (27.5 MPa)
Temperature	120°C
Nominal width	6
Throughput medium	pH 3-12

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

- ✓ Perfect for self-service car wash
- ✓ Ergonomic design and easy handling
- ✓ Intensive cleaning also in the food industry



## Foam Lance (black)

Part No.	L	LA	IN	Weight
29.123	700	500	G3/8" F	1.1 kg

L = total length, LA = lance length

The foam lance is an ideal complement for special cleaning and facility management. The foam nozzle with air injector produces an optimal foam consistency. This guarantees an easy and quick removal of dirt.



## Coax Lance

Part No.	L	IN	OUT	Weight
24.950	750	R1/4" M	2x 1/8" NPTF	0.9 kg

L = total length, please order Nozzles and HP-Gun separately

The Coax Lance is a 2 in 1 product. It allows to switch between High Pressure and Foam simply through a quarter turn on the attached handle. To be able to use the foam-option, an additional chemical regulator (Part No. 90.087 or 90.097) needs to be installed on the High Pressure pump to create foam. The High Pressure nozzle to be ordered separately and need to be sized according to flow and pressure of your pump. This lance can be used in various applications such as: Car wash, Sanitizing or degreasing applications, Pressure Cleaning etc.

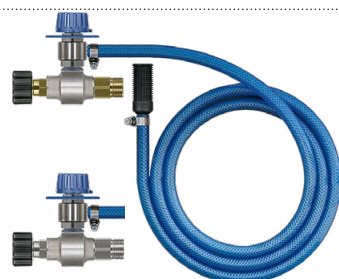


## Chemical Regulator

with metering valve

Part No.	L	IN/OUT	Fitting	Size	Weight
90.087	2000	M22	brass	1.6	0.9 kg
90.097	2000	M22	INOX	1.6	0.9 kg

The completely stainless steel regulator easily installs between your pressure washer and your high pressure hose. Adjust the chemical dial to determine between thick and thin layers of foam coverage.



## Foam Head

Nozzle attachment for normal HP-lances.

Part No.	Material	Color	L	IN	Size	Weight
29.122	brass	black	120	G1/4" F	1.6	0.14 kg
29.129	INOX	blue	180	G1/4" F	1.9	0.18 kg
29.139	brass	black	180	G1/4" F	1.6	0.18 kg

Mount the Mosmatic foam head to any existing spray lance. Adjustable flat spray nozzle allows quick adjustment for different foam applications.



### Legend

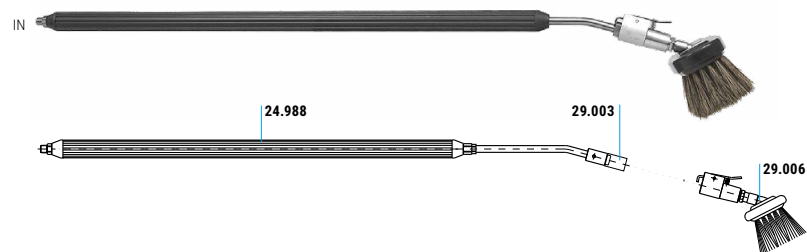
M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

### TECHNICAL DATA

Pressure	310 bar (31 MPa)
Temperature	100°C
Throughput	max. 45 l/min.
Throughput medium	pH 3-12

## BRUSH LANCES

- ✓ Natural hogs hair (60mm)
- ✓ Rugged design
- ✓ Solid construction
- ✓ Polyurethane grip
- ✓ Delivered ready to install



### Mosmatic B-LAN-C (Classic)

Part No.	L	GL	DG	IN	Weight
24.984	1050	800	---	R1/4" M	1.34 kg
24.985	1050	800	yes	G1/4" M	1.56 kg
24.986	1250	1000	---	R1/4" M	1.54 kg
24.987	1250	1000	yes	G1/4" M	1.68 kg

L = total length, GL = grip length

### Mosmatic B-LAN-C (Classic brush lance for snap lock systems)

Part No.	L	GL	DS	IN	Weight
24.988	950	800	yes	R1/4" M	0.89 kg

L = total length, GL = grip length, DS = Nozzle guard incl.

Nozzles not included

29.003	Nozzle guard	0.004 kg
29.006	Brush head complete with snap-lock feature	1.16 kg

### Mosmatic B-LAN-P (Pro)

Part No.	L	GL	WS	DG	IN	Weight
28.540	600	300	---	---	G3/8" F	1.75 kg
28.541	600	300	yes	---	G3/8" F	1.75 kg
28.542	600	300	yes	yes	G3/8" F	1.75 kg
28.545	1000	700	---	---	G3/8" F	2.15 kg
28.546	1000	700	yes	---	G3/8" F	2.15 kg
28.547	1000	700	yes	yes	G3/8" F	2.15 kg

L = total length (without HP-Gun), GL = grip length

#### TECHNICAL DATA

Pressure	275 bar (27.5 MPa)
Temperature	120°C
Nominal width	6
Throughput medium	pH 3-12

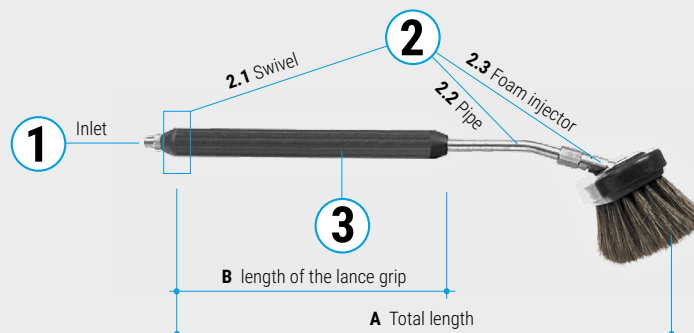
#### Legend





M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

## INDIVIDUAL BRUSH LANCES

- ✓ Complete lances with brush head
- ✓ Natural hogs hair (60 mm)
- ✓ Delivered ready for installation

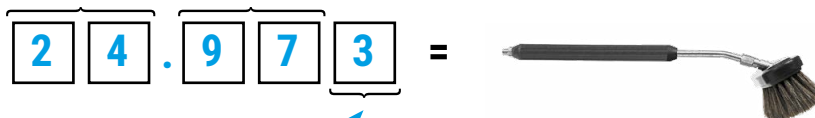
Customize Mosmatic brushes to your unique application. Simply choose your in-put out-put and desired components by following steps 1-3 to get your part number.



1	Inlet	No.
	M21 x 1.5 F	21.
	M22 x 1.5 F	22.
	R3/8" M	23.
	G1/4" M	24.

2.1 Swivel	2.2 Pipe	2.3 Foam injector	No.
without	straight	without	90
without	bent	without	91
without	straight	with	94
without	bent	with	95
with	straight	without	92
with	bent	without	93
with	straight	with	96
with	bent	with	97

**Your Part No.**



3	A	B	No.
Other versions or sizes upon request	900 mm	600 mm	1 (only bent)
	900 mm	800 mm	1 (only straight)
	1050 mm	800 mm	2
	1250 mm	1000 mm	3
	1500 mm	1300 mm	4
	1750 mm	1300 mm	5
	2000 mm	1800 mm	6
	2500 mm	1800 mm	7

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

- ✓ Minimum working pressure 2.5 bar
- ✓ Minimum flow ratio 5 l/min
- ✓ Natural hogs hair
- ✓ Suitable for weep system
- ✓ Available in multiple lengths
- ✓ Available with built-in swivel

The Mosmatic Flex-Brush Lance provides an additional function when compared to all standard brushes. Directly in front of the head is a mechanism, which slackens the brush head when not under pressure. Increase the pressure and the head solidifies. The Flex-Brush Lance only works under pressure. The pressure build-up occurs by adding coins in the coin box. Durable lightweight construction makes it easy to use while giving you added savings of a longer lasting brush head.



Mark (inside):  
L = low pressure (2.5 - 10 bar)  
H = high pressure (10 - 80 bar)

## F-LAN (2.5 - 10 bar, minimum 5 l/min.)

Part No.	L	IN	Foam injector	DG	Handle	Weight
27.102	1000 mm	R1/4" M	yes	---	---	1750 g
27.103	1300 mm	R1/4" M	yes	---	---	2000 g
27.122	1000 mm	G1/4" M	yes	yes	---	1900 g
27.123	1300 mm	G1/4" M	yes	yes	---	2100 g
27.302	1200 mm	G1/4" M	yes	---	yes	2000 g
27.303	1500 mm	G1/4" M	yes	---	yes	2250 g
27.322	1200 mm	G1/4" M	yes	yes	yes	2150 g
27.323	1500 mm	G1/4" M	yes	yes	yes	2400 g

L = total length

## F-LAN HD (10 - 80 bar, minimum 9 l/min.)

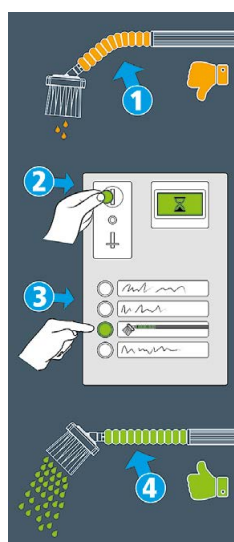
Part No.	L	IN	Foam injector	DG	Handle	Weight
27.107	1000 mm	R1/4" M	yes	---	---	1750 g
27.108	1300 mm	R1/4" M	yes	---	---	2000 g
27.127	1000 mm	G1/4" M	yes	yes	---	1900 g
27.128	1300 mm	G1/4" M	yes	yes	---	2100 g
27.307	1200 mm	G1/4" M	yes	---	yes	2000 g
27.308	1500 mm	G1/4" M	yes	---	yes	2250 g
27.327	1200 mm	G1/4" M	yes	yes	yes	2150 g
27.328	1500 mm	G1/4" M	yes	yes	yes	2400 g

L = total length

## Instruction Board


This instruction board explains the concept of the Flex-Brush Lance. It clarifies that the Flex-Brush Lance only works with a paid program. Install the board close to Flex-Brush Lance for visual instruction.


Part No.	Width	Height	Material	Weight
902.999	300 mm	700 mm	2 mm Forex	330 g






### TECHNICAL DATA


Pressure	2.5 - 80 bar (0.25 - 8 MPa)
Temperature	120°C
Nominal width	6
Throughput medium	pH 3-12


Brush	Part No.	Weight	
60 mm Hogs hair	<b>29.011</b>	0.3 kg	
90 mm Hogs hair	<b>29.065</b>	0.3 kg	


Brush Body	Part No.	Weight	
Stainless steel, incl. 2x M5x12 bolts, IN G1/4" F	<b>29.012</b>	0.2 kg	
Stainless steel, incl. 2x M5x12 bolts, IN 1/2" NPTF	<b>29.138</b>	0.3 kg	



Brush Guard	Part No.	Weight	
neutral, plastic, black	<b>29.013</b>	0.1 kg	


Brush Head Complete	Part No.	Weight	
60 mm Hogs hair, with locking-bolt	<b>29.001</b>	0.7 kg	
60 mm Hogs hair, with snap-lock feature	<b>29.006</b>	0.8 kg	
60 mm Hogs hair, IN G1/4" F	<b>29.007</b>	0.6 kg	
90 mm Hogs hair, IN G1/4" F	<b>29.064</b>	0.6 kg	
60 mm Hogs hair, IN 1/2" NPTF	<b>29.151</b>	0.7 kg	
90 mm Hogs hair, IN 1/2" NPTF	<b>29.152</b>	0.7 kg	


Brush Holder	Part No.	Weight	
stainless, with locking-bolt	<b>29.014</b>	0.2 kg	


Brush Holder	Part No.	Weight	
for all sorts of brushes, wall mounted	<b>29.030</b>	0.5 kg	


Foam Injector	Part No.	Weight	
ø2.5, G1/4" F - R1/4" M 6 bar 9 l/min, 100 bar 34 l/min	<b>29.020</b>	0.05 kg	
ø2.5, M12x1 F - R1/4" M 6 bar 9 l/min, 100 bar 34 l/min	<b>29.021</b>	0.05 kg	
ø1.5, G1/4" F - R1/4" M 6 bar 3 l/min, 100 bar 13 l/min	<b>29.060</b>	0.05 kg	


Hand Grip	Part No.	Weight	
PP hand grip - ergonomically			
IN G1/4" M, OUT G1/4" F	<b>29.025</b>	0.3 kg	
IN 3/8" NPTF, OUT 1/8" NPTF	<b>29.085</b>	0.3 kg	
IN G1/4" M, OUT 1/8" NPTF	<b>29.095</b>	0.3 kg	


Handle	Part No.	Weight	
with filter sieve, hard plastic			
IN G1/4" M, OUT M12x1 F	<b>29.801</b>	0.3 kg	
IN G3/8" M, OUT M12x1 F	<b>29.802</b>	0.3 kg	
IN G1/4" M, OUT G1/4" F	<b>29.803</b>	0.3 kg	
Replacement filter sieve	<b>29.023</b>	3 g	


Adaptor for LAN-P	Part No.	Weight	
SW20, ø39	<b>904.097</b>	0.01 kg	


Handle Holder	Part No.	Weight	
ø60, L=200	<b>29.128</b>	0.9 kg	

HP Hose	Part No.	Weight	
NW 6, standard car wash hose			
3000 mm, IN G1/4" F, OUT G1/4" F	<b>90.019</b>	1.1 kg	
3700 mm, IN G1/4" F, OUT G1/4" F	<b>90.020</b>	1.3 kg	
3950 mm, IN G1/4" F, OUT G1/4" F	<b>90.021</b>	1.4 kg	
4200 mm, IN G1/4" F, OUT G1/4" F	<b>90.022</b>	1.5 kg	
4450 mm, IN G1/4" F, OUT G1/4" F	<b>90.023</b>	1.5 kg	
4700 mm, IN G1/4" F, OUT G1/4" F	<b>90.024</b>	1.6 kg	
4950 mm, IN G1/4" F, OUT G1/4" F	<b>90.025</b>	1.7 kg	
5200 mm, IN G1/4" F, OUT G1/4" F	<b>90.026</b>	1.8 kg	
5450 mm, IN G1/4" F, OUT G1/4" F	<b>90.027</b>	1.9 kg	
5700 mm, IN G1/4" F, OUT G1/4" F	<b>90.028</b>	2.0 kg	


HP Hose Comfort	Part No.	Weight	
NW 8 (3/8"), NW 6 (1/4", M14) lightweight construction, inner core PES			
3500 mm, IN G3/8" M, OUT G3/8" M	<b>90.069</b>	0.5 kg	
4200 mm, IN G3/8" M, OUT G3/8" M	<b>90.059</b>	0.6 kg	
4700 mm, IN G3/8" M, OUT G3/8" M	<b>90.072</b>	0.6 kg	
3500 mm, IN G3/8" F, OUT G3/8" F	<b>90.078</b>	0.5 kg	
4200 mm, IN G3/8" F, OUT G3/8" F	<b>90.079</b>	0.6 kg	
4700 mm, IN G3/8" F, OUT G3/8" F	<b>90.080</b>	0.6 kg	
3500 mm, IN G1/4" F, OUT G1/4" F	<b>90.081</b>	0.5 kg	
4200 mm, IN G1/4" F, OUT G1/4" F	<b>90.082</b>	0.6 kg	
4700 mm, IN G1/4" F, OUT G1/4" F	<b>90.083</b>	0.6 kg	
3500 mm, IN M14 F, OUT M14 F	<b>90.084</b>	0.5 kg	
4200 mm, IN M14 F, OUT M14 F	<b>90.085</b>	0.6 kg	
4700 mm, IN M14 F, OUT M14 F	<b>90.086</b>	0.6 kg	




Lance Holder bracket	Part No.	Weight	
for wall mounting suitable for 29.097 / 29.028 / 29.113 29.121, size 160/160/160 mm	<b>29.099</b>	1.9 kg	




Lances	Part No.	Weight	
chemical spray lance, swiveling, 900 mm, IN G1/4" M, max. 50°C, max. 25 bar, max. 30 l/min.	<b>28.560</b>	0.4 kg	
Koax spray pipe, 1000 mm IN M21x1.5 F, OUT 2x 1/8" NPTF	<b>16219</b>	1.1 kg	
Vario spray pipe, 1000 mm IN M21x1.5 F, OUT 1x 1/8" NPTF	<b>16227</b>	0.9 kg	


Mosmatic HP Gun «Nano»	Part No.	Weight	
275 bar, 150°C, weep IN G3/8" F, OUT G1/4" F	<b>29.054</b>	0.8 kg	

More products see HP Gun page.


Mosmatic Mat holder	Part No.	Weight	
for wall mounting, INOX	<b>90.050</b>	0.4 kg	


<b>Nozzle guard</b>	<b>Part No.</b>	Weight	
plug on ø16 & G3/8"	<b>29.010</b>	0.01 kg	
for 1/8" NPT, SW13	<b>29.002</b>	0.01 kg	
for 1/8" & 1/4" NPT	<b>29.003</b>	0.01 kg	


<b>Nozzle Socket</b>	<b>Part No.</b>	Weight	
for locking-screw SW19 IN G1/4" F, OUT 1/8" NPTF	<b>29.016</b>	0.05 kg	
for locking-screw SW19 IN G1/4" F, OUT 1/4" NPTF	<b>29.017</b>	0.05 kg	
for snap-lock SW19 IN G1/4" F, OUT 1/8" NPTF	<b>29.018</b>	0.1 kg	
for snap-lock SW19 IN G1/4" F, OUT 1/4" NPTF	<b>29.019</b>	0.1 kg	
ø16, IN M12x1 F, OUT 1/8" NPTF + G3/8" M	<b>29.042</b>	0.03 kg	


<b>Nozzles</b>	<b>Part No.</b>	Weight	
for brush lance 1/8" NPT	<b>xx.xxx</b>	0.01 kg	
for HP lance	<b>xx.xxx</b>	0.01 kg	

More products see nozzle page.


<b>OEM Lances</b>	<b>Part No.</b>	Weight	
LAN-P, 600/300, IN: G3/8" F	<b>28.522</b>	1.1 kg	
B-LAN-P, 950/700, IN: G3/8" F	<b>28.548</b>	1.8 kg	

<b>Sign for F-LAN</b>	<b>Part No.</b>	Weight	
300/700/2 mm, Forex	<b>902.999</b>	0.3 kg	


<b>Snap-Lock Feature</b>	<b>Part No.</b>	Weight	
stainless, aluminium, G1/4" M	<b>29.015</b>	0.2 kg	





<b>Splash Guard Flexible</b>	<b>Part No.</b>	Weight	
240/74/28 mm, bracket version round	<b>90.077</b>	0.1 kg	


More products see splash guard page.


<b>Swivel for HP Lance</b>	<b>Part No.</b>	Weight	
IN G3/8" M, OUT G3/8" F	<b>32.534</b>	0.3 kg	


More products see swivel pages.

<b>DGV Heat Shield</b>	<b>Part No.</b>	Weight	
PA, black, screw included, minimum order quantity 15 pcs	<b>28.973</b>	0.04 kg	

<b>Wheelblaster Pro</b>	<b>Part No.</b>	Weight	
Extension for stand pole, 1000 mm	<b>84.907</b>	6.0 kg	
Stand pole, 1000 mm	<b>903.986</b>	7.1 kg	
Cleaning head, ø140 mm, 100/100 IN G3/8" F	<b>84.581</b>	4.2 kg	
Cleaning head, ø250 mm, 160/160 IN G3/8" F	<b>84.591</b>	5.1 kg	
Stabilizer nozzle, 1/4" NPTM, 95 mm	<b>14.901</b>	0.1 kg	
Stabilizer nozzle, 1/8" NPTM, 93 mm	<b>14.902</b>	0.1 kg	

<b>Weep System</b>	<b>Part No.</b>	Weight	
closure pressure ~10-20 bar flow rate ~0.9 l/min. bei 4 bar			
ø10, 6 bar 9 l/min., 100 bar 34 l/min.	<b>29.031</b>	0.1 kg	
ø8, 6 bar 3 l/min., 100 bar 13 l/min.	<b>29.032</b>	0.1 kg	

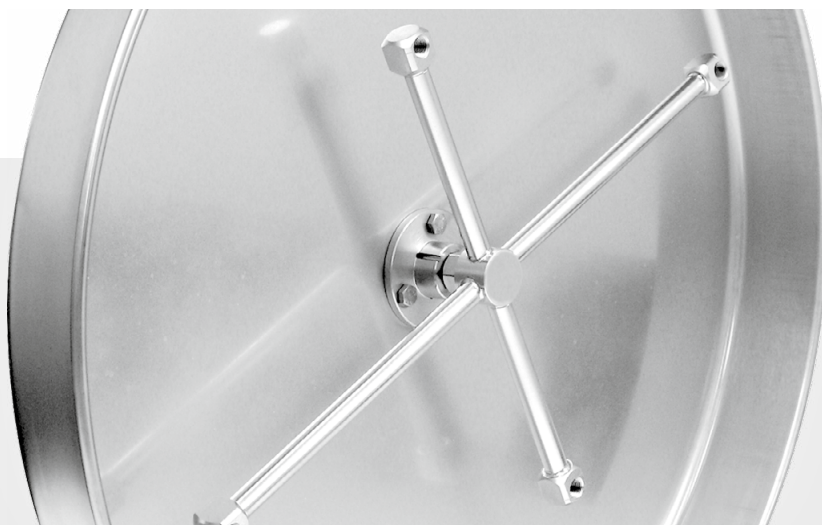
<b>Check Valve (~1 bar)</b> with hard spring, opening pressure ~1 bar, closing pressure ~1.5 bar ø26, nominal width 6, 275 bar, 90°C	<b>Part No.</b>	Weight	
Brass, 62 mm, IN G1/4" F, OUT G1/4" F	<b>90.004</b>	0.2 kg	
Brass, 75 mm, IN G1/4" F, OUT G3/8" F	<b>90.005</b>	0.2 kg	
Brass, 62 mm, IN G3/8" F, OUT G1/4" F	<b>90.006</b>	0.2 kg	
Brass, 75 mm, IN G3/8" F, OUT G3/8" F	<b>90.007</b>	0.2 kg	
INOX, 62 mm, IN G1/4" F, OUT G1/4" F	<b>90.041</b>	0.2 kg	
INOX, 75 mm, IN G1/4" F, OUT G3/8" F	<b>90.042</b>	0.2 kg	
INOX, 62 mm, IN G3/8" F, OUT G1/4" F	<b>90.043</b>	0.2 kg	
INOX, 75 mm, IN G3/8" F, OUT G3/8" F	<b>90.044</b>	0.2 kg	

<b>Check Valve (~0.1 bar)</b> with soft spring, opening pressure ~0.1 bar, closing pressure ~0.15 bar ø26, nominal width 6, 275 bar, 90°C	<b>Part No.</b>	Weight	
Brass, 62 mm, IN G3/8" F, OUT G1/4" F	<b>90.008</b>	0.2 kg	
Brass, 75 mm, IN G3/8" F, OUT G3/8" F	<b>90.009</b>	0.2 kg	
Brass, 62 mm, IN G1/4" F, OUT G1/4" F	<b>90.010</b>	0.2 kg	
Brass, 75 mm, IN G1/4" F, OUT G3/8" F	<b>90.011</b>	0.2 kg	
INOX, 62 mm, IN G3/8" F, OUT G1/4" F	<b>90.045</b>	0.2 kg	
INOX, 75 mm, IN G3/8" F, OUT G3/8" F	<b>90.046</b>	0.2 kg	
INOX, 62 mm, IN G1/4" F, OUT G1/4" F	<b>90.047</b>	0.2 kg	
INOX, 75 mm, IN G1/4" F, OUT G3/8" F	<b>90.048</b>	0.2 kg	

- ✓ Polished stainless steel (INOX)
- ✓ With mounting plate
- ✓ 4 nozzles inlets
- ✓ High quality swivel



Mosmatic Wheelblasters are a versatile and highly effective cleaning solution for almost any style vehicle or equipment cleaning. The rotation speed is determined by the water and pressure which drives the rotor arm. These products are mainly found in automatic car wash facilities in the area of tire/rim and rocker panel cleaning. It is an efficient and reliable touch free method of achieving optimal cleaning results.



## WBL ø520mm

Part No.	Swivel	Rotor Arm	Weight
<b>84.502</b>	DYF	400/250 mm	7.2 kg
<b>84.512</b>	DYF	470/350 mm	7.3 kg
<b>84.507</b>	DYT	400/250 mm	8.4 kg
<b>84.517</b>	DYT	470/350 mm	8.5 kg

Requires 4x HP nozzles, please order separate

DYF: triple-bearing system, DYT: quadruple bearing system

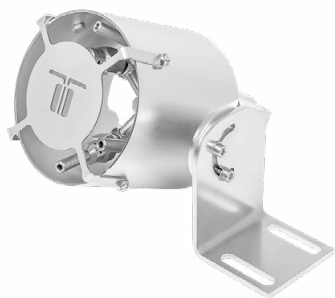
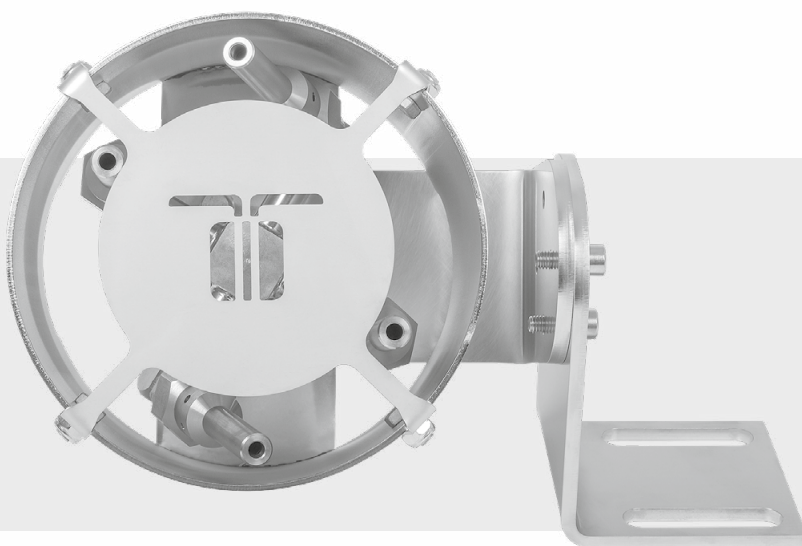
## TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	up to 2000 rpm
<b>Water connection</b>	G3/8" F
<b>Nozzle connection</b>	4x 1/8" NPTF
<b>Throughput medium</b>	pH 3-12

## Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

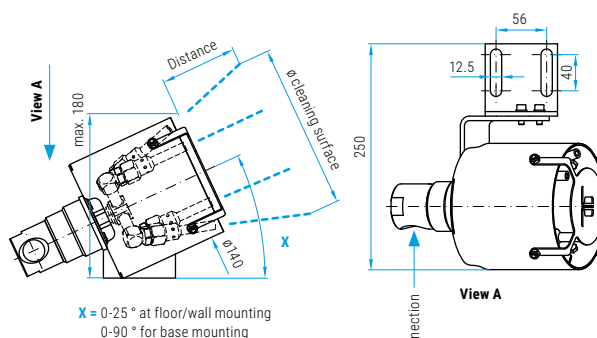
- ✓ Equipped with stabilizer nozzles
- ✓ Assembly on both sides possible
- ✓ Flexible installation options
- ✓ Adjustable spray direction
- ✓ Polished stainless steel (INOX)



## WBC

Part No.	Swivel	IN	Rotor arm	Stabilizer Nozzles	Insert Nozzle	Weight
<b>84.602</b>	DYTI	G3/8"F	100/100 mm	4x 14.902	---	4.1 kg
<b>84.603</b>	DYTI	G1/2"F	100/100 mm	4x 14.902	---	4.1 kg
<b>84.604</b>	DYTI	G3/4"F	100/100 mm	4x 14.902	---	4.2 kg

\* Requires 4x EG-nozzles, according to your pump specifications



## Action diameter

Distance	Cleaning surface
250 mm	300 mm
500 mm	500 mm
750 mm	700 mm
1000 mm	830 mm



## Stabilizer Nozzle

(without insert nozzle)

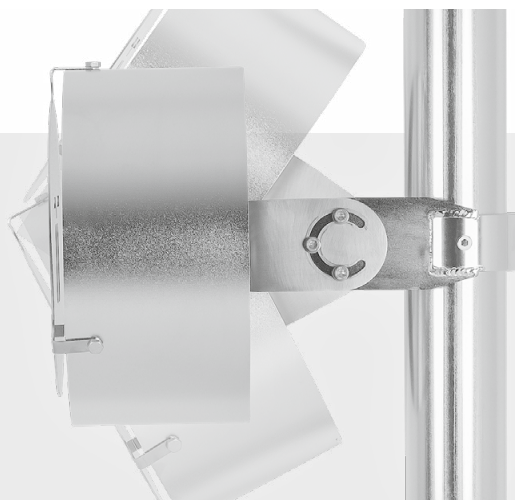
Part No.	IN
<b>14.902</b>	1/8" NPTM

## TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	up to 2000 rpm
<b>Throughput medium</b>	pH 3-12

- ✓ Polished stainless steel (INOX)
- ✓ Equipped with stabilizer nozzles
- ✓ Seamless height and angle adjustable
- ✓ Multiple cleaning heads can be installed
- ✓ High impact at distance

The Mosmatic Wheelblaster Pro is the new standard for vehicle wash systems. The wash head is movable and the desired cleaning angle and height can be selected according to the application. The unit comes equipped with 4 stabilizer nozzles. These four 0° stabilizer nozzles increase distance and impact to achieve optimal cleaning. It is possible to cover a larger cleaning area by mounting various cleaning heads on the 1 meter high stand. (The four 0° tips inserts are sold separately)



## WBP with Stand

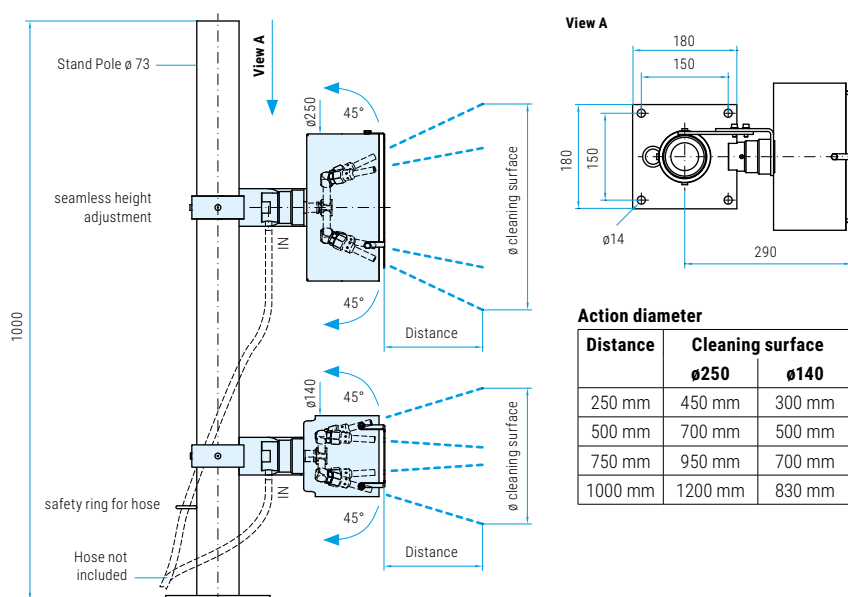
Part No.	Swivel	IN	Diameter	Rotor arm	Stabilizer Nozzles	Insert Nozzle	Weight
<b>84.541</b>	DYTIs	G3/8°F	ø250 mm	160/160 mm	4x 14.901	---*	12.2 kg

\* Requires 4x EG-nozzles, according to your pump specifications

## WBP without Stand

Part No.	Swivel	IN	Diameter	Rotor arm	Stabilizer Nozzles	Insert Nozzle	Weight
<b>84.581</b>	DYTIs	G3/8°F	ø140 mm	100/100 mm	4x 14.902	---*	4.2 kg
<b>84.582</b>	DYTIs	G1/2°F	ø140 mm	100/100 mm	4x 14.902	---*	4.2 kg
<b>84.583</b>	DYTIs	G3/4°F	ø140 mm	100/100 mm	4x 14.902	---*	4.3 kg
<b>84.591</b>	DYTIs	G3/8°F	ø250 mm	160/160 mm	4x 14.901	---*	5.1 kg
<b>84.592</b>	DYTIs	G1/2°F	ø250 mm	160/160 mm	4x 14.901	---*	5.1 kg
<b>84.593</b>	DYTIs	G3/4°F	ø250 mm	160/160 mm	4x 14.901	---*	5.2 kg

\* Requires 4x EG-nozzles, according to your pump specifications



### Action diameter

Distance	Cleaning surface	
	ø250	ø140
250 mm	450 mm	300 mm
500 mm	700 mm	500 mm
750 mm	950 mm	700 mm
1000 mm	1200 mm	830 mm

## Extension

Part No.	Length	Weight
<b>84.907</b>	1000 mm	6.0 kg

## Stand Pole

Part No.	Length	Weight
<b>903.986</b>	1000 mm	7.2 kg

### TECHNICAL DATA

Pressure	275 bar (27.5 MPa)
Temperature	120°C
RPM	up to 2000 rpm
Throughput medium	pH 3-12

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

# UNDERCARRIAGE CLEANER STATIONARY

- ✓ Compact and solid construction
- ✓ Equipped with stabilizer nozzles
- ✓ Modular design



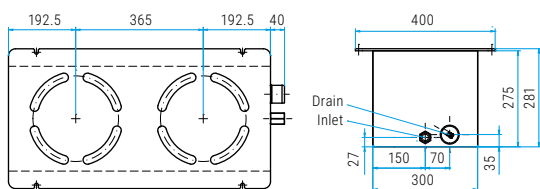
The TUW stationary is perfect for fixed ramp over or sub-floor undercarriage wash systems. Industrial grade stainless plates and boxes come complete with quad bearing swivels and welded balanced rotor arms. The high lift wash design removes heavy debris and cleans without damage to the vehicles undercarriage. Whether a new install or system upgrade this is sure to impress.



## TUWs

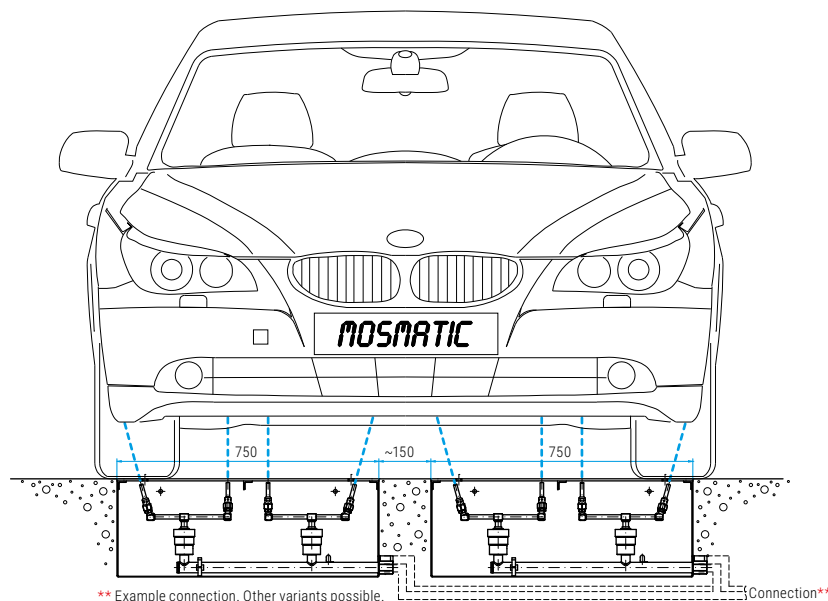
Part No.	Dimensions (L/W/H)	Weight	Swivels	Rotor arms	Stabilizer Nozzles	Nozzles
80.630	750x300x275	32 kg	2x DYT	200x250 mm	4x 14.901	--- *

\* Requires 4x EG-nozzles, according to your pump specifications



## Action diameter

Distance from ground	Cleaning surface
100 mm	ø 330 mm
200 mm	ø 400 mm
300 mm	ø 460 mm



## Stabilizer Nozzle

(without insert nozzle)

Part No.	IN
14.901	1/4" NPTM
14.902	1/8" NPTM

## TECHNICAL DATA

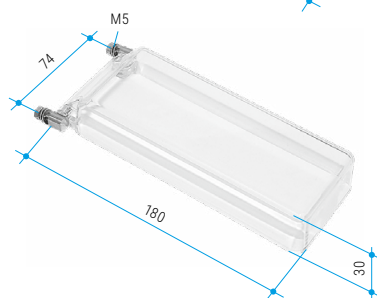
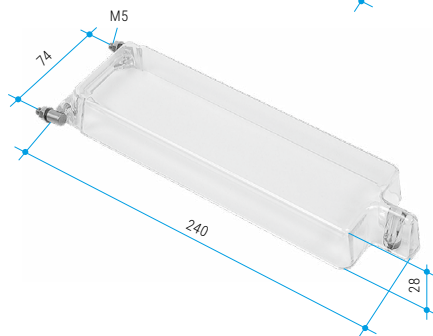
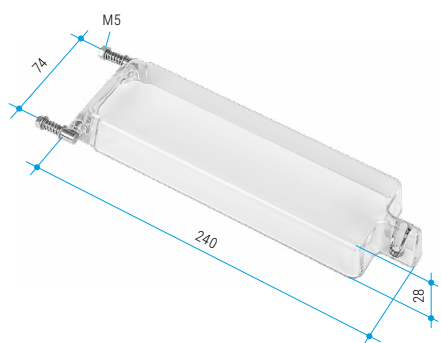
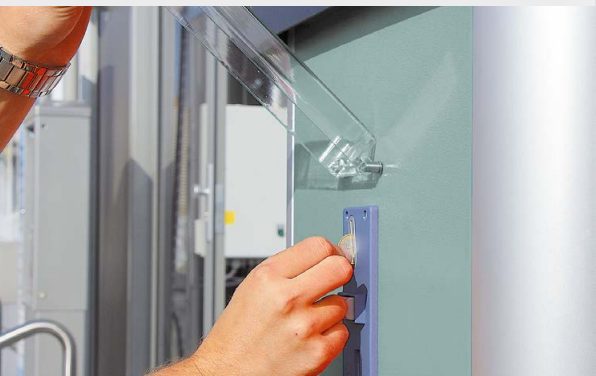
Pressure	275 bar (27.5 MPa)
Temperature	120°C
RPM	up to 2000 rpm
Body	750x300x275 mm
Water connection	G3/4" F
Water drain	2"
Throughput medium	pH 3-12

# SPLASH GUARD

- ✓ Delivered ready to install
- ✓ A must for every pay station
- ✓ Protects the coin slot



Mosmatic splash guards are a must to prevent water from entering into pay station coin/card slots causing unwanted damage. Choose between the standard version and the flexible version. The flexible version has spring-loaded mounting, adding extra endurance. Existing units already equipped with a Mosmatic splash guard, can be easily upgraded to the new system.



## Splash guard flexible

transparent Polycarbonate, INOX mounting brackets

Part No.	Bracket version	Stopper	Weight
90.077	round	magnet	0.1 kg
90.096	round	rubber	0.1 kg



## Splash guard standard

transparent Polycarbonate, INOX mounting brackets

Part No.	Bracket version	Stopper	Weight
90.015	round	magnet	0.1 kg
90.076	angular	magnet	0.1 kg

## Splash guard short

transparent Polycarbonate, INOX mounting brackets

Part No.	Bracket version	Stopper	Weight
90.071	round	---	0.1 kg

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

On our website under the category Products you will find useful knowledge about our products and other interesting topics.

## High Quality Rotary Unions - for a wide variety of applications

Often unnoticed but essential in many industries: Rotary Unions. There are many applications that require swivels for example car washes, production facilities, hose reels, cleaning systems, hydraulic systems and many more. The various fields of operation set broad requirements for rotary unions. With different designs, nominal widths and sealing materials Mosmatic covers many applications and industries.



## Surface Cleaners for professional use

Time is money. A truth that applies to all industries. Especially the cleaning sector needs to be time efficient to achieve economical results. With a surface cleaner you are able to clean multiple times faster than with an average high pressure lance. Thanks to the cleaning diameter of up to 75cm, surfaces are free of debris in no time. The housing is a great feature that helps to keep the surrounding areas free from splashing waste water and debris. Apart from floors you can also clean stairs, walls, roofs and other surfaces.

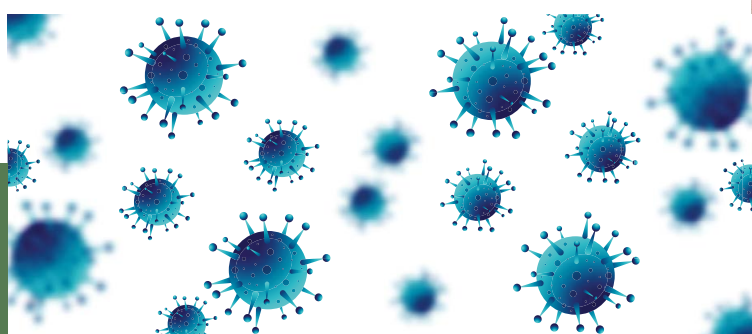
## More than an Undercarriage Cleaner

The construction industry is working with heavy vehicles, that need to be cleaned and maintained. The maintenance of a vehicle fleet is time and cost intensive. Those two factors can be reduced by using professional cleaning equipment from Mosmatic. Developed and manufactured in Switzerland, the Mosmatic Hurricane Series is specifically designed for the requirements of the building industry and helps you to maintain your vehicle fleet in a time-saving and cost-saving manner.



## Fight viruses with Mosmatic Products

There are various ways in which we can protect ourselves and our fellow human beings from infection. We would like to focus on how we can keep the environment clean and free of viruses and bacteria. Mosmatic offers a range of different products for disinfection.



**Our goal:**

**Providing solutions to solve today's cleaning and sanitation needs.**

# HIGH PRESSURE

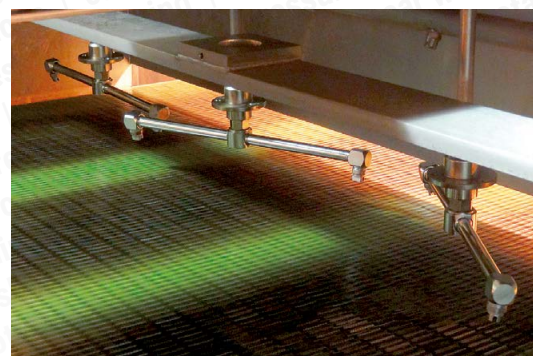
## **Surface Cleaning and Maintenance**

Our complete range of surface cleaners, set the standard for today's commercial and industrial needs. Offering both recovery style and non, we are the perfect choice for large and small flatwork applications. Ergonomic, lightweight and durable designs make us the number one choice for your clean and sanitation needs.



## **Food Industry**

Today's industry calls for water conservation and higher sanitation requirements, Mosmatic components help increase cleaning efficiency while decreasing time and labor as well as reducing waste water.



## **Municipal**

Working together with manufacturers of municipal vehicles, Mosmatic has developed solutions for the high demands of professional road and sidewalk cleaning. We also have the right components to bring in an economically friendly way to clean tunnels, shafts, ducts, pipes, noise protection walls and buildings.



## **Industrial Cleaning**

Mosmatic offers various cleaning tools for industries such as parts cleaning, shipbuilding, wood and metal processing but also for the cleaning of portable toilet cabins, silos, steam hoods and buildings. We offer products that are designed to withstand harsh environments and rugged daily use.



- ✓ Effective and efficient cleaning
- ✓ With fluid recovery system
- ✓ Gum remover bracket

Mosmatic takes the edge off work with the „All in one“ cleaning tool. Remove chewing gum from public areas such as sidewalks, train stations, parks and school facilities. The gum will be cut and lifted ready to be recovered. No chemicals needed.

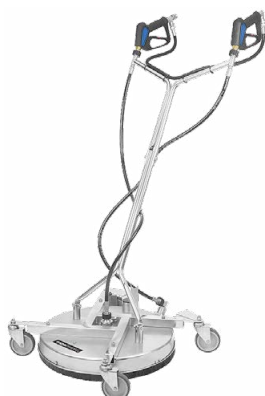


## TECHNICAL DATA

**Pressure** 350 bar  
**Temperature** 120°C  
**Inlet** G3/8" F



**FL-AHB-KAU 750**



**FL-AHB-KAU 520**

## FEATURES

### Chewing Gum remover

This special nozzle, uses it's own trigger gun to activate on chewing gum or persistent stains. The high pressure jets impact at a 45° angle to cut and lift the gum.

Available sizes: #3 (29.102), #4 (29.103), #5 (29.119)

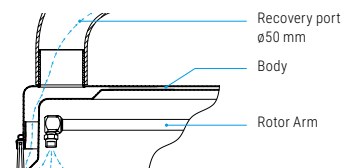
**Gum remover nozzle sold separately.**



### Recovery System

Environmental protection is more important than ever, leading to the need to recycle waste water. The dual housing and vacuum port allow this function.

Residual water and debris can be recovered, recycled and reused.



### Adjustable Height

Stainless steel frame for added stability. Optimize your cleaning results with the height adjustable housing.



### Stainless Steel Caster (Premium Quality)

Four 100 mm stainless steel casters with custom mounting brackets, ensure easy maneuvering even in confined spaces.

Part No. 80.956

### Rotor Arms

Can withstand up to 500 bar, and are precision welded and balanced.



### 2cp2 (2 Arms / 2 Nozzles)

Part No. 82.946 (ø470 mm)

### 3cp3 (3 Arms / 3 Nozzles)

Part No. 82.947 (ø700 mm)

Optional: Part No. 82.9069 (ø450 mm), 1/8"

### Quality Swivel

High rpm stainless steel swivel, features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### DYCI Swivel

Part No. 55.253

Name	Part No.	ø	Weight	Swivel	Rotor Arm	HP- Nozzles	HP- Gun	Stainless Steel Caster
<b>FL-AHB-KAU 520</b>	<b>80.766</b>	520	20.0 kg	1x DYCI	2x 1/8" NPTF	2x 18.1503	2x	4x ø100
<b>FL-AHK-KAU 520*</b>	<b>80.767</b>	520	20.0 kg	1x DYCI	2x 1/8" NPTF	2x 18.1503	2x	4x ø100
<b>FL-AHB-KAU 750</b>	<b>80.768</b>	750	26.5 kg	1x DYCI	3x 1/8" NPTF	3x 18.1503	2x	4x ø100

\* with plastic rim guard, no brush ring

**Gum remover nozzle sold separately.**

- ✓ Designed for professional cleaning
- ✓ With fluid recovery system
- ✓ High durability
- ✓ Height-adjustable



## TECHNICAL DATA

Pressure	350 / 500 bar
Temperature	120°C
Inlet	G1/4" M
	G3/8" F
	G1/2" F

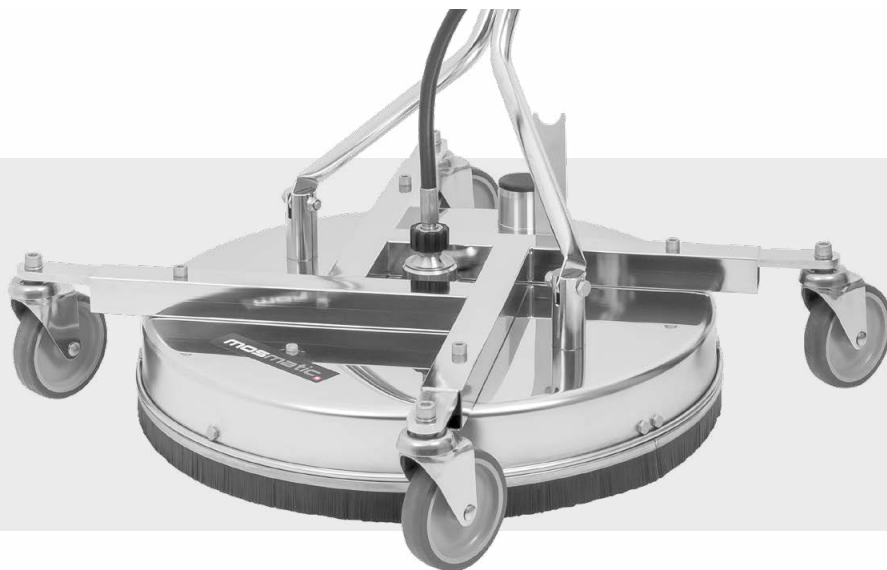


**FL-AH 750**



**FL-AH 520**

Mosmatic Professional cleaner with recovery function is ideal for cleaning large areas both indoors and outdoors. Dirty water is recovered with your vacuum system and can be disposed of or recycled. The 1/2" model is suitable to use with high-performance high-pressure equipment. The Professional series is designed for professional continuous operation and durability.

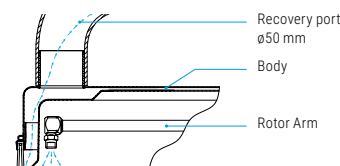


## FEATURES

### Recovery System

Environmental protection is more important than ever, leading to the need to recycle waste water. The dual housing and vacuum port allow this function.

Residual water and debris can be recovered, recycled and reused.



### Adjustable Height

Stainless steel frame for added stability. Height adjustable housing ensures the best cleaning results.



### Stainless Steel Caster (Premium Quality)

Four 100 mm stainless steel casters with custom mounting brackets ensure easy maneuvering even in confined spaces.

Part No. 80.956

### Rotor Arms

Can withstand up to 500 bar, and are precision welded and balanced.



### 2cp2 (2 Arms / 2 Nozzles)

Part No. 82.946 (ø470 mm), 1/8"

Part No. 82.941 (ø470 mm), 1/4"

Optional: Part No. 82.9069 (ø450 mm), 1/8"

### 3cp3 (3 Arms / 3 Nozzles)

Part No. 82.947 (ø700 mm), 1/8"

### 4p4 (4 Arms / 4 Nozzles)

Part No. 82.9133 (ø470/350 mm), 1/4"

Part No. 82.9108 (ø686/600 mm), 1/4"

### Quality Swivel

High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### DYCI Swivel

Part No. 55.253

### DXTI Swivel

Part No. 39.910

### DYDI Swivel (500 bar)

Part No. 55.263

Name	Part No.	ø	NW	Weight	Swivel	Rotor Arm	HP- Nozzles	HP- Gun	Stainless Steel Caster
<b>FL-AH 520</b>	<b>80.764</b>	520	6	17.5 kg	1x DYCI	2x 1/8" NPTF	2x 18.1503	1x	4x ø100
<b>FL-AH 520*</b>	<b>80.792</b>	520	12	20.0 kg	1x DXTI	4x 1/4" NPTF	4x 18.1503	1x	4x ø100
<b>FL-AHY 520**</b>	<b>80.188</b>	520	6	17.0 kg	1x DYDI	2x 1/8" NPTF	--	--	4x ø100
<b>FL-AH 750</b>	<b>80.765</b>	750	6	23.5 kg	1x DYCI	3x 1/8" NPTF	3x 18.1503	1x	4x ø100
<b>FL-AH 750*</b>	<b>80.793</b>	750	12	26.0 kg	1x DXTI	4x 1/4" NPTF	4x 18.1503	1x	4x ø100
<b>FL-AHY 750**</b>	<b>80.388</b>	750	6	23.0 kg	1x DYDI	3x 1/8" NPTF	--	--	4x ø100

\* Inlet G1/2" F \*\* Pressure: 500 bar / Inlet G1/4" M

- ✓ With fluid recovery system
- ✓ Integrate high quality swivel
- ✓ Ready to use

Mosmatic Allrounder with recovery is ideal for smaller and hard to reach areas both indoors and out. Small compact and lightweight design is ideal for jobs large or small. Using your vac system, water can be recovered, reused or discharged.

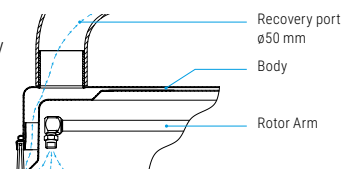


## FEATURES

### Recovery System

Environmental protection is more important than ever. These recovery units have a double wall housing to optimize vacuum power.

Residual water and debris can be recovered, recycled and reused.



### Rotor Arms

Can withstand up to 275 bar, are precision welded and balanced.

<b>2w2</b> (2 Arms / 2 Nozzles)	<b>2w2</b> (2 Arms / 2 Nozzles)	<b>2w2</b> (2 Arms / 2 Nozzles)
Part No. 82.621 (ø150 mm)	Part No. 82.623 (ø250 mm)	Part No. 82.625 (ø350 mm)



### Proven innovation

Developed by Mosmatic and in service for years, the toggle swivel has proven itself. The toggle joint feature allows effortless cleaning of walls and angled surfaces. The movement of the joint is adjustable for fatigue free cleaning.



### KDYF Toggle Swivel

Part No. 58.908

### Quality Swivel

High rpm stainless steel swivel, features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### DYF Swivel

Part No. 58.000 (ø200 mm) Part No. 58.250 (ø410 mm)

### Stainless Steel Caster

Heavy duty ø60 mm casters with custom mounting brackets ensure easy maneuvering even in confined spaces.



### Stainless Steel Caster

Part No. 80.943

### Caster for ø200 mm

Part No. 80.922

Name	Part No.	ø	Weight	Swivel	Rotor Arm	Nozzles	HP-Gun	Wheels
<b>FL-AEB 200</b>	<b>78.230</b>	200	2.8 kg	1x DYF	2x 1/8" NPTF	2x 18.1503	1x	--
<b>FL-AER 200</b>	<b>78.240</b>	200	4.2 kg	1x KDYF	2x 1/8" NPTF	2x 18.1503	1x	3x ø42
<b>FL-AER 300</b>	<b>78.242</b>	300	5.6 kg	1x KDYF	2x 1/8" NPTF	2x 18.1503	1x	3x ø60
<b>FL-AER 410</b>	<b>78.249</b>	410	9.0 kg	1x DYF	2x 1/8" NPTF	2x 18.1503	1x	3x ø60

## TECHNICAL DATA

<b>Pressure</b>	275 bar
<b>Temperature</b>	120°C
<b>Inlet</b>	G3/8" F



**FL-AER 410**



**FL-AER 300**

**FL-AER 200**

**FL-AEB 200**

- ✓ **Integrated Recovery**
- ✓ **Temperatures up to 120°C**
- ✓ **Integrate high quality toggle swivel**
- ✓ **Ready to use**



#### TECHNICAL DATA

<b>Pressure</b>	275 bar
<b>Temperature</b>	120°C
<b>Inlet</b>	G3/8" F

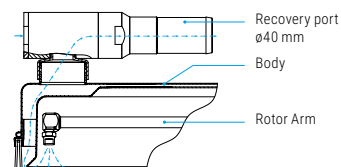


**FL-SAR**

## FEATURES

### Integrated recovery

The black anodized aluminum suction device collects the dirty water via the Venturi and double housing principal. Mount your export hose on the suction device and place it into the desired port to drain the water. The use of a vacuum system is no longer needed.



### Rotor Arms

Can withstand up to 275 bar, are precision welded and balanced.



### 2w2 (2 Arms / 2 Nozzles)

Part No. 82.623 (ø250 mm)

### Quality Swivel

High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### KDYF Toggle Swivel

Part No. 58.912

### Stainless Steel Caster

Heavy duty ø60 mm casters with custom mounting brackets ensure easy maneuvering even in confined spaces.



### Stainless Steel Caster

Part No. 80.943

Name	Part No.	ø	Weight	Swivel	Rotor Arm	Nozzles	HP-Gun	Casters
<b>FL-SAR 300</b>	<b>78.243</b>	300	5.9 kg	1x KDYF	2x 1/8" NPTF	2x 18.1503 / 1x #3*	1x	3x ø60

### Accessories

Name	Part No.	Nozzles
<b>Nozzles package</b>	<b>78.983</b>	2x 1502 / 1x #2*

\* #2 and #3 internal nozzles self recovery

- ✓ **Integrated Recovery**
- ✓ **Temperatures up to 120°C**
- ✓ **High durability**
- ✓ **Multifunctional**



#### TECHNICAL DATA

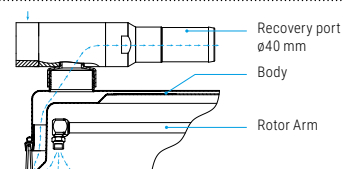
<b>Pressure</b>	350 bar
<b>Temperature</b>	120°C
<b>Inlet</b>	G3/8" F



## FEATURES

### Integrated recovery

The black anodized aluminum suction device collects the wastewater via the Venturi and double housing principal. Mount your export hose on the suction device and place it into the desired port to drain the water. The use of a vacuum system is no longer needed.



### Rotor Arms

Can withstand up to 500 bar, are precision welded and balanced.



### 2cp2 (2 Arms / 2 Nozzles)

Part No. 82.946 (ø470 mm)

### Quality Swivel

High rpm stainless steel swivel, features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### DYCI Swivel

Part No. 55.253

### Adjustable Height

Stainless steel frame for added stability. Optimize your cleaning results with the height adjustable housing.



### Stainless Steel Caster (Premium Quality)

Four 100 mm stainless steel casters with custom mounting brackets, ensure easy maneuvering even in confined spaces.

Part No. 80.956

### HP Guns

1. HP-Gun = high pressure cleaning
2. HP-Gun = recovery function



Name	Part No.	ø	Weight	Swivel	Rotor Arm	Nozzles	HP-Gun	Casters
<b>FL-SAR 520</b>	<b>80.769</b>	520	20 kg	1x DYCI	2x 1/8" NPTF	2x 18.1503 / 1x #3*	2x	4x ø100

### Accessories

Name	Part No.	Nozzles
<b>Nozzles package</b>	<b>78.983</b>	2x 1502 / 1x #2*

\* #2 and #3 internal nozzles self recovery

- ✓ With fluid recovery system
- ✓ Ready to use
- ✓ Designed for higher pressures

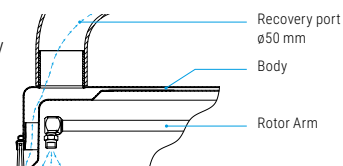


## FEATURES

### Recovery System

Environmental protection is more important than ever. These recovery units have a double wall housing to optimize vacuum power.

Residual water and debris can be recovered, recycled and reused.



### Rotor Arms

Can withstand up to 500 bar, are precision welded and balanced.



### 2p2 (2 Arms / 2 Nozzles)

Part No. 82.9051 (ø150 mm) Part No. 82.323 (ø250 mm)

### Brush Ring

Ideal for outdoor applications such as concrete, brick, limestone or wood surfaces.



### Plastic rim guard

Indoor use, prevents dirt and debris from building up on the rim. Adheres to purity regulation in the food and clinical industries.

### Quality Swivel

High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### DYW Swivel

Part No. 55.020

Name	Part No.	ø	Weight	Swivel	Rotor Arm	HP-Nozzles	HP-Gun
FL-ABB 200	78.235	200	2.7 kg	1x DYW	2x 1/8" NPTF	2x 18.1503	1x
FL-ABK 200*	78.236	200	2.8 kg	1x DYW	2x 1/8" NPTF	2x 18.1503	1x
FL-ABB 300	78.237	300	3.2 kg	1x DYW	2x 1/8" NPTF	2x 18.1503	1x
FL-ABK 300*	78.238	300	3.3 kg	1x DYW	2x 1/8" NPTF	2x 18.1503	1x

\* with Plastic rim guard

## TECHNICAL DATA

Pressure 350 bar  
Temperature 120°C  
Inlet G3/8" F



FL-ABB 300



FL-ABB 200

- ✓ Added lance and holder
- ✓ Solid construction
- ✓ Height-adjustable
- ✓ Quality high pressure swivel



## TECHNICAL DATA

Pressure	275 bar
Temperature	120°C
Inlet	G3/8" F



**FL-PH 750**



**FL-PH 520**

## FEATURES

### Two Tools In One

The lance quick connects to the existing HP-gun allowing you to prep your surface, clean corners, rinse over spray and clean other hard to reach areas.



### Adjustable Height

Stainless steel frame for added stability. Adjust to compensate for uneven surfaces.



### Stainless Steel Caster (Premium Quality)

Four 100 mm stainless steel casters with custom mounting brackets ensure easy maneuvering even in confined spaces.  
Part No. 80.956

### Rotor Arms

Can withstand up to 275 bar, are precision welded and balanced.



### 2cw2 (2 Arms / 2 Nozzles)

Part No. 82.942 (ø470 mm)

### 3cw3 (3 Arms / 3 Nozzles)

Part No. 82.943 (ø700 mm)

Optional: Part No. 82.9069 (ø450 mm), 1/8"

### Quality Swivel

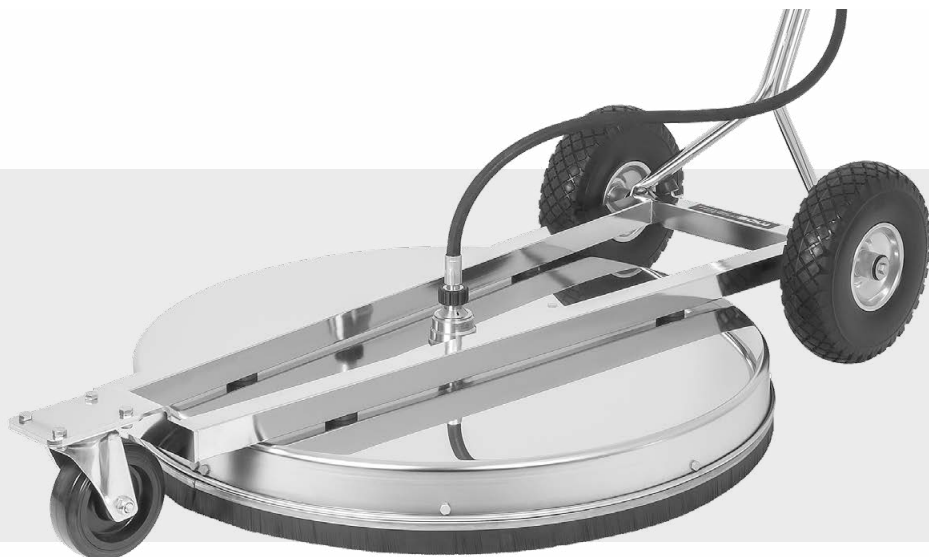
High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



Part No. 55.253

Name	Part No.	ø	Weight	Swivel	Rotor Arm	Lance Nozzle	HP- Nozzles	HP- Gun	Stainless Steel Caster
FL-PH 520	80.754	520	16.2 kg	1x DYCI	2x 1/8" NPTF	1x 1506	2x 18.1503	1x	4x ø100
FL-PH 750	80.755	750	22.5 kg		3x 1/8" NPTF	1x 1508	3x 18.1503		

- ✓ Added lance and holder
- ✓ Solid construction
- ✓ Quality high pressure swivel
- ✓ Ready to use
- ✓ Easy to maneuver



## TECHNICAL DATA

Pressure	275 bar
Temperature	120°C
Inlet	G3/8" F



**FL-PB 750**



**FL-PB 520**

## FEATURES

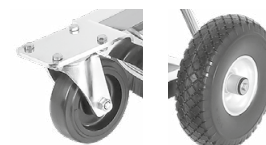
### Two Tools In One

The lance quick connects to the existing HP-gun allowing you to prep your surface, clean corners, rinse over spray and clean other hard to reach areas.



### Large caster

The quality stainless steel caster and the two pneumatic tires enables easy maneuvering over uneven surfaces like ramps, grates and textured surfaces.



### Rotor Arms

Can withstand up to 275 bar, are precision welded and balanced.



### 2cw2 (2 Arms / 2 Nozzles)

Part No. 82.942 (ø470 mm)

### 3cw3 (3 Arms / 3 Nozzles)

Part No. 82.943 (ø700 mm)

Optional: Part No. 82.9069 (ø450 mm), 1/8"

### Quality Swivel

High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



Part No. 55.253

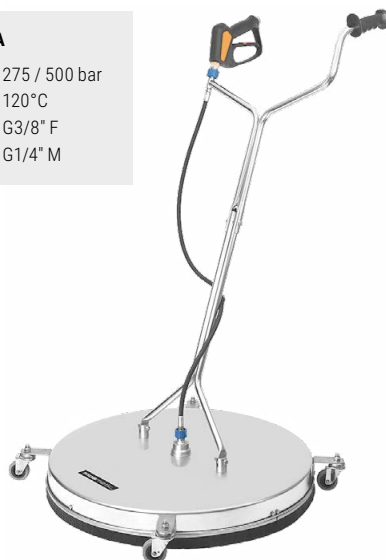
Name	Part No.	ø	Weight	Swivel	Rotor Arm	Lance Nozzle	HP-Nozzles	HP-Gun	Caster
<b>FL-PB 520</b>	<b>80.675</b>	520	22.5 kg	1x DYCI	2x 1/8" NPTF	1x 1506	2x 18.1503	1x	1x ø125 2x ø260
<b>FL-PB 750</b>	<b>80.685</b>	750	26.5 kg		3x 1/8" NPTF	1x 1508			

- ✓ Also model up to 500 bar available
- ✓ Maintenance free
- ✓ Quality stainless steel swivel
- ✓ Ready to use



#### TECHNICAL DATA

Pressure	275 / 500 bar
Temperature	120°C
Inlet	G3/8" F
	G1/4" M



FL-CR 750

#### FEATURES

##### Rotor Arms

Can withstand up to 500 bar, are precision welded and balanced.

##### 2cw2 (2 Arms / 2 Nozzles)

Part No. 82.942 (ø470 mm)

##### 3cw3 (3 Arms / 3 Nozzles)

Part No. 82.943 (ø700 mm)

##### 2cp2 (2 Arms / 2 Nozzles)

Part No. 82.946 (ø470 mm), 1/8", 500 bar

Optional: Part No. 82.941 (ø470 mm), 1/4", 500 bar

Optional: Part No. 82.9069 (ø450 mm), 1/8", 500 bar

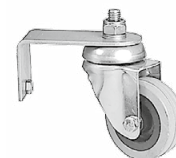
##### 3cp3 (3 Arms / 3 Nozzles)

Part No. 82.947 (ø700 mm), 1/8", 500 bar



##### Stainless Steel Caster

Heavy duty ø60 mm casters with custom mounting brackets ensure easy maneuvering even in confined spaces.



##### Stainless Steel Caster

Part No. 80.912

##### Quality Swivel

High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



##### DYCI Swivel

Part No. 55.253

##### DYDI Swivel (500 bar)

Part No. 55.263



FL-CR 520

FL-CG 520

Name	Part No.	ø	Weight	Swivel	Rotor Arm	HD- Nozzles	HP- Gun	Stainless Steel Caster
FL-CG 520	80.750	520	10.3 kg	1x DYCI	2x 1/8" NPTF	2x 18.1503	1x	--
FL-CR 520	80.751	520	12.0 kg	1x DYCI	2x 1/8" NPTF	2x 18.1503	1x	4x ø60
FL-RY 520*	80.158	520	11.5 kg	1x DYDI	2x 1/8" NPTF	--	--	4x ø60
FL-RY 750*	80.358	750	13.5 kg	1x DYDI	3x 1/8" NPTF	--	--	4x ø60
FL-CR 750	80.752	750	15.5 kg	1x DYCI	3x 1/8" NPTF	3x 18.1503	1x	4x ø60

\* Pressure: 500 bar / Inlet G1/4" M

- ✓ Available in various designs
- ✓ Multi-functional, suitable for any surfaces
- ✓ Ready to install



## FEATURES

### Rotor Arms

Can withstand up to 275 bar, and are precision welded and balanced.



**2w2** (2 Arms / 2 Nozzles)  
Part No. 82.621 (ø150 mm)

**2w2** (2 Arms / 2 Nozzles)  
Part No. 82.623 (ø250 mm)

**2w2** (2 Arms / 2 Nozzles)  
Part No. 82.625 (ø350 mm)

### Proven Innovation

Developed by Mosmatic and in service for years, the toggle swivel has proven itself. The toggle joint feature allows effortless cleaning of walls and angled surfaces. The movement of the joint is adjustable for fatigue free cleaning.



### KDYF Toggle Swivel

Part No. 58.908

### Quality Swivel

High rpm stainless steel swivel, features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### DYF Swivel

Part No. 58.000

### Stainless Steel Caster

Heavy duty ø60 mm casters with custom mounting brackets ensure easy maneuvering and longevity.



### Stainless Steel Caster

Part No. 80.943

Name	Part No.	ø	Weight	Swivel	Rotor Arm	HP- Nozzles	HP- Gun	Lance	Stainless Steel Caster
<b>FL-EB 200</b>	<b>78.200</b>	200	1.9 kg	1x DYF	2x 1/8" NPTF	2x 18.1503	1x	---	---
<b>FL-EG 200</b>	<b>78.210</b>	200	2.4 kg	1x KDYF	2x 1/8" NPTF	2x 18.1503	1x	1x	---
<b>FL-EG 300</b>	<b>78.212</b>	300	3.2 kg	1x KDYF	2x 1/8" NPTF	2x 18.1503	1x	1x	---
<b>FL-ER 300</b>	<b>78.222</b>	300	4.3 kg	1x KDYF	2x 1/8" NPTF	2x 18.1503	1x	1x	3x ø60
<b>FL-EG 410</b>	<b>78.214</b>	410	4.7 kg	1x KDYF	2x 1/8" NPTF	2x 18.1503	1x	1x	---
<b>FL-ER 410</b>	<b>78.224</b>	410	5.9 kg	1x KDYF	2x 1/8" NPTF	2x 18.1503	1x	1x	3x ø60

## TECHNICAL DATA

**Pressure** 275 bar  
**Temperature** 120°C  
**Inlet** G3/8" F



**FL-ER 410**

**FL-EG 410**



**FL-ER 300**

**FL-EG 300**

**FL-EG 200**

**FL-EB 200**

- ✓ Steam cleaned surfaces are flash dry
- ✓ Huge time saving
- ✓ Mosmatic quality swivel and rotor arm
- ✓ Adjustable drive and impact angle
- ✓ Temperature up to 180°C



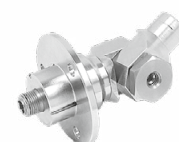
It is possible to clean walls and other surfaces with steam. Save time with the Steaminator! Steam cleaning is a great way to disinfect, sterilize or degrease surfaces. By using this cleaner you are able to clean 4-5 times quicker than using a wand. The complete stainless steel construction makes them perfect for the medical and food industries.



## FEATURES

### Quality Swivel

The heart of a Mosmatic Steaminator is the swivel which is reinforced with self lubricating, stainless steel ball bearings and a high temperature seal system. The DXF is specially designed for high revolutions to ensure long lasting durability. Both STM models come with our patented swivel. This swivel is perfect for cleaning many surfaces including walls while remaining flush to the surface.



### KDXFS Toggle Swivel for ø300

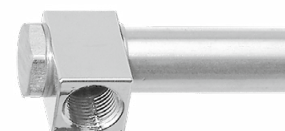
Part No. 38.905

### DXFS Swivel for ø200

Part No. 38.904

### Rotor arm

The adjustable rotor arm allows the user to change the spray angle and the impact on the surface being cleaned.



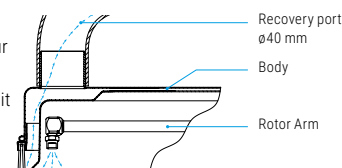
### 2s3 (2 Arms / 2 Nozzles)

Part No. 88.935 (ø150 mm)

Part No. 88.936 (ø250 mm)

### Recovery System

The double walled housing and reclaim port allow you to attach your vacuum system to the unit. This decreases drying time and allows the user to recover and recycle the used liquid and residue, making it an eco-friendly alternative to cleaning with just one lance.



### Polyamide Casters

The casters allow free movement in any direction while keeping the nozzles an even distance from the cleaning surface. Fatigue is therefore reduced while saving you time and energy.



### Polyamide Caster

Part No. 80.986 (for ø200 and ø300)

### Splash protection

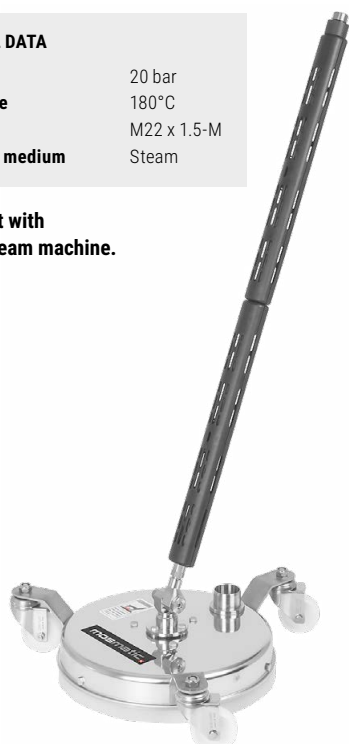
The plastic rim guard prevents over spray and flying debris. It is extremely effective thanks to the wavy design.



### TECHNICAL DATA

Pressure	20 bar
Temperature	180°C
Inlet	M22 x 1.5-M
Throughput medium	Steam

Works best with  
a 10 kW steam machine.



STM 300



STM 200

### Steam nozzle



Part No.	IN	Angle	ø
18.50290	1/8" NPTM	50°	2.9

Name	Part No.	ø	Swivel	Rotor arm	Nozzles	PA Casters	Weight
STM 200	78.091	200	1x DXF	2x 1/8"	2x 18.50290	3x ø60	2.6 kg
STM 300	78.191	300	1x KDXF	2x 1/8"	2x 18.50290	3x ø60	4.0 kg

Steam gun not included.

- ✓ 2-in-1
- ✓ High quality stainless steel unit
- ✓ Integrated toggle swivel
- ✓ Versatile in use



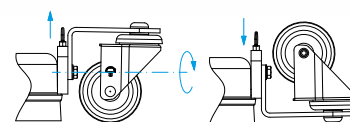
## TECHNICAL DATA

Pressure	275 bar
Temperature	120°C
Inlet	G3/8" F

## FEATURES

### Flip function

Effortless turning of the wheels / 2-in-1 function. The Hurricane Flip can be converted from a floor cleaner to an undercarriage cleaner in just a few simple steps.



Part No. 80.9030

### High precision rotor unit

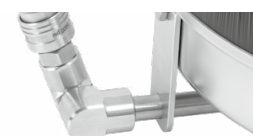
DYF swivel with reinforced, self-lubricating bearings made from stainless steel and a carbide sealing for high RPM. New rotor arm design with low profile for cleaning jobs with limited clearance.



Part No. 58.913 ø300

### Toggle swivel

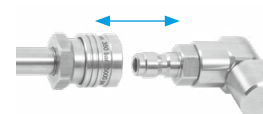
The proven toggle joint makes easy and effortless cleaning possible. Positioned on the side of the housing, this special construction enables cleaning under the vehicle.



Part No. 42.906

### HP-Coupling

The quick coupler easily connects or disconnects the lance to the rotor unit for storage purposes or for use with other equipment.



Part No. 70.021 + 70.904

## Hurricane Flip

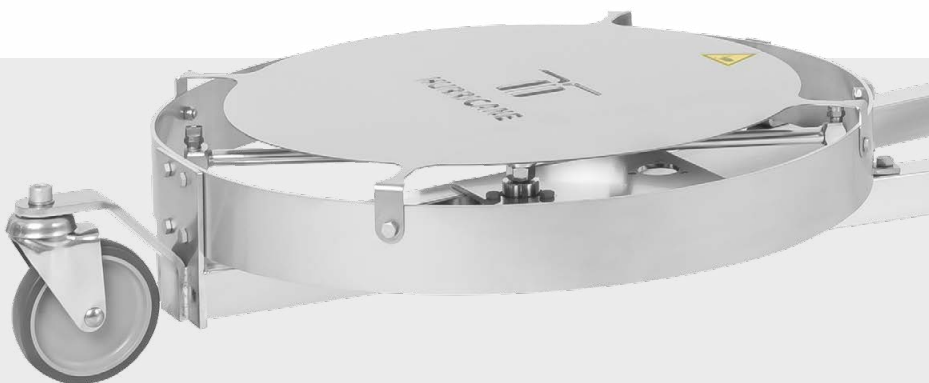
Name	Part No.	ø	min. Clearance	Weight	Rotorarm	HP-Nozzles	HP-Gun	Stainless Steel Caster
HURF-300	78.602	300	105 mm	5.3 kg	2x 1/8" NPTF	2x 18.15030	1x	3x ø60

Other nozzles sizes please order separately.



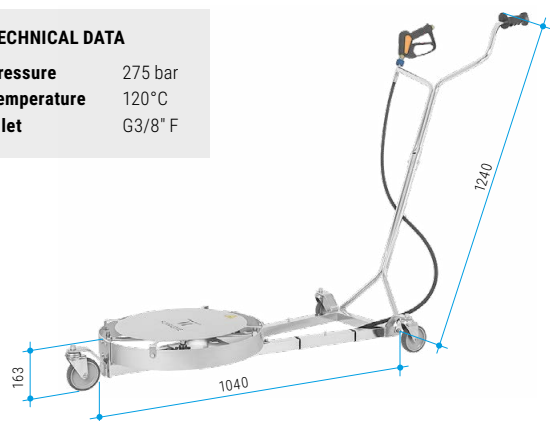
**Important: Do not use unprotected!**

- ✓ Ergonomical and versatile
- ✓ Easy to maneuver
- ✓ Ready to use
- ✓ Complete stainless steel

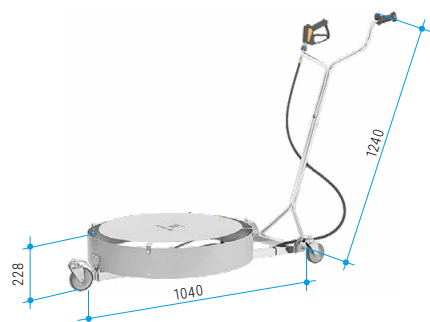


## TECHNICAL DATA

Pressure	275 bar
Temperature	120°C
Inlet	G3/8" F



**HUR-520 80.601**



**HUR-750 80.604**

## FEATURES

### Stabilizer Nozzles

With the stabilizer nozzle, you can increase the distance and pressure impact to your surface. Standard on 80.603 and 80.604.



### HP-Nozzles

Standard HP, 15° nozzles are used to achieve the cleaning on the object. These nozzles are used on the models 80.601 and 80.602.



### Rotor Arms

Can withstand up to 275 bar, are precision welded and balanced.



Part No. 82.891 ø470

Part No. 82.9014 ø700

### Quality Swivel

High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



Part No. 58.553

## Hurricane

Name	Part No.	ø	min. Clearance	Weight	HP-Nozzles	HP-Gun	Caster/Wheels
HUR-520	80.601	520	165 mm	15.0 kg	2x 18.1503	1x	3x ø100
HUR-750	80.602	750	165 mm	19.0 kg	3x 18.1503	1x	3x ø100
HUR-520	80.603	520	230 mm	17.5 kg	2x 18.030EG	1x	3x ø100
HUR-750	80.604	750	230 mm	20.6 kg	3x 18.030EG	1x	3x ø100

Other nozzles sizes please order separately.



### Accessories

Name	Part No.	Nozzles	HP-Gun	Upper Fork	LP-Hose	Weight
Low pressure package	80.9011	--- *	1x	1x	1x	3.8 kg

\* Nozzles not included, please order separately.

**Important: Do not use unprotected!**

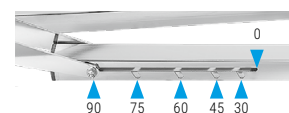
- ✓ 6 different cleaning angles
- ✓ Ergonomical and versatile
- ✓ Easy to maneuver
- ✓ Ready to use
- ✓ Complete stainless steel



## FEATURES

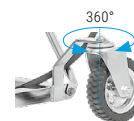
### Cleaning angles

The Hurricane Pro cleaner offers the ability to pivot the spray deck which allows for multiple cleaning angles. Deck adjustment from 0° to maximum 90°.



### Large casters

Three large casters make your cleaning job easier with full range of motion, allowing you to maneuver even on rough surfaces.



### Stabilizer Nozzles

With the stabilizer nozzle, you can increase the distance and pressure impact to your surface. Standard on 80.607 and 80.608.



### Rotor Arms

Can withstand up to 275 bar, are precision welded and balanced.



Part No. 82.891 ø470

Part No. 82.9014 ø700

### Quality Swivel

High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



Part No. 58.553

### Low pressure option

This provides the ability to apply chemicals at low pressure, for example, salt neutralization, oil removal or other chemical applications.



## Hurricane Pro

Name	Part No.	ø	min. Clearance	Weight	HP-Nozzles	LP-Nozzles	HP-Gun	Casters
HURp-520	80.607	520	225 mm	31.0 kg	2x 18.030EG	--	1x	3x ø150
HURpz-520	80.608	520	225 mm	34.0 kg	2x 18.030EG	4x 18.1508	2x	3x ø150

Other nozzles sizes please order separately.

### Accessories

Name	Part No.	Nozzles	HP-Gun	Upper Fork	LP-Hose	Weight
Low pressure package	80.9011	--- *	1x	1x	1x	3.8 kg

\* Nozzles not included, please order separately.

**Important: Do not use unprotected!**

### TECHNICAL DATA

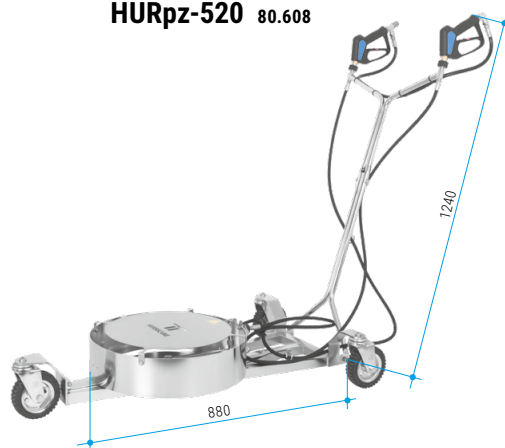
**Pressure** 275 bar  
**Temperature** 120°C  
**Inlet** G3/8" F



**HURp-520 80.607**



**HURpz-520 80.608**

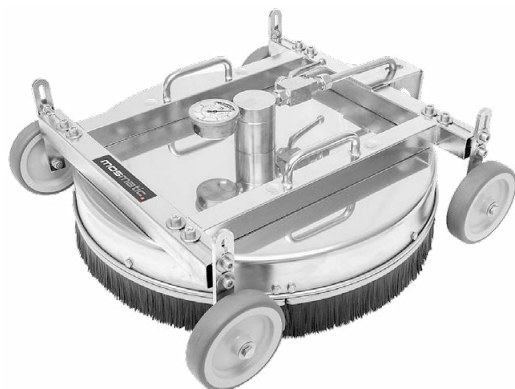


- ✓ Height and width adjustable
- ✓ Quad bearing swivel
- ✓ For professional roof cleaners



## TECHNICAL DATA

Pressure	275 / 500 bar
Temperature	120°C
Inlet	M22x1.5-M G1/4" F

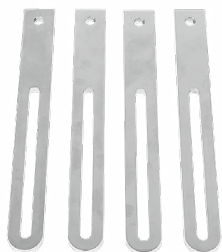


**DR-520**

## Height adjusters long

Add an additional 60 mm height if needed, e.g. for corrugated roofs.

Part No. 904.351 (1 pcs)  
Requires 4 pieces



## Pedal switch

For additional safety, Mosmatic recommends you turn your flow on and off using the optional pedal switch.

Part No. 80.987



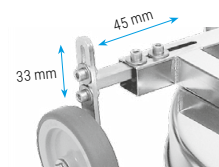
The roof cleaner is an industrial quality tool can be used quickly and efficiently as the operator stands safely on the ridge. Security, stability as well as cleaning results are emphasized. This stainless steel unit will provide optimal performance under harsh conditions. Deck height and wheel width are adjustable giving you an advantage when cleaning different styled roofs.



## FEATURES

### Height and width adjustable

The DR-520. Width is adjustable up to 90 mm and 33 mm in height. Will work for most roof designs adding safety and stability.



### Safety Eye

Allows you to easily secure the roof cleaner with a safety rope or cable.



### Pressure Gauge

Use the pressure gauge to monitor your cleaning pressure. This allows you to ensure proper pressure when cleaning a variety of roofing materials.

Part. No. 903.032



### Ball Valve

Makes it easy and convenient to turn off the flow to the unit.

Part. No. 90.066



### Rotor Arms

Can withstand up to 275 bar or 500 bar, are precision welded and balanced.



### 2cw2 (2 Arms / 2 Nozzles / 275 bar)

Part No. 82.942 1/8" (ø470 mm)  
Part No. 82.975 1/4" (ø470 mm)

### 2cw2 (2 Arms / 2 Nozzles / 500 bar)

Part No. 82.941 1/4" (ø470 mm)

### Quality Swivel

High rpm stainless steel swivel features 4x reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### DYU Swivel (500 bar)

Part No. 59.916

### DYT Swivel (350 bar)

Part No. 59.907

Name	Part No.	ø	Width	Height	Weight	Rotor Arm	HP-Nozzles
<b>DR-520</b>	<b>80.651</b>	520	550-640	195-228	14.5 kg	2x 1/8" NPTF	---
<b>DR-520*</b>	<b>80.662</b>	520	550-640	195-228	14.5 kg	2x 1/8" NPTF	---

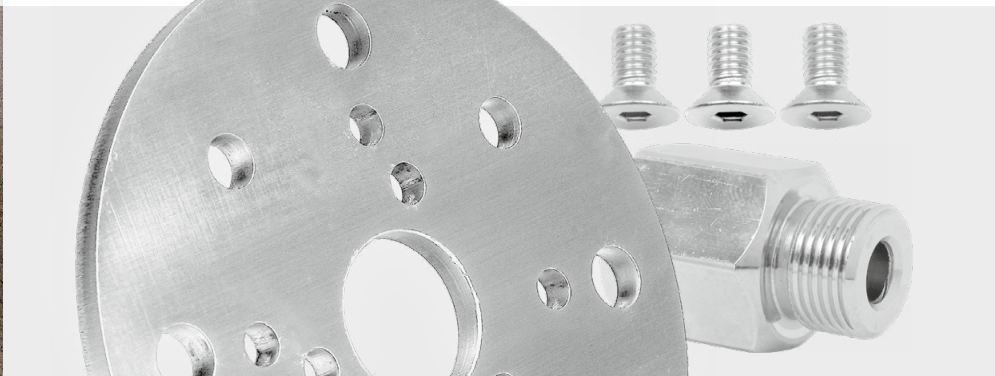
\* Pressure: 500 Bar / Inlet G1/4" F

## SURFACE CLEANER UPGRADE KIT

- ✓ **Cost effective upgrade**
- ✓ **Easy to assemble**

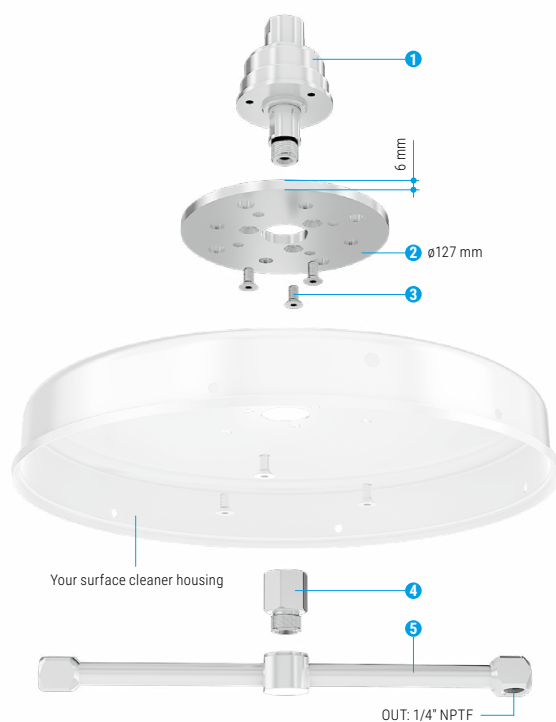


For those of you who do not currently own a Mosmatic and wish to upgrade your equipment. The Upgrade Kit will allow you to replace the important "working parts" of your surface cleaner with Mosmatic high quality components.



### TECHNICAL DATA

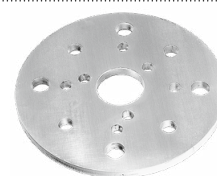
**Pressure** 350 bar  
**Temperature** 120°C  
**Inlet** G3/8" F



### FEATURES

#### Adapter plate

The universal mounting plate allows you to mount the Mosmatic swivel on your existing housing. The plate has pre-drilled holes and adapts to most other brands of surface cleaners.



#### Extension fitting

The adapter is used to reduce the distance of the nozzle to the cleaning surface. Depending on the existing housing height, it may be necessary to use this optional adapter. The adapter will reduce the distance by 22 mm.



#### Mounting bolts

Includes 3 bolts for fastening the adapter plate to swivel.



### Upgrade Kit

Name	Part No.	Includes
FL-Z	55.903	2 Adapter plate, 3 Mounting bolts, 4 Distance-adaptor

### FEATURES

#### Quality Swivel

High rpm stainless steel swivel, features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



#### Rotor Arms

Can withstand up to 350 bar, are precision welded and balanced.



### ALL-IN-ONE PACKAGES

Includes the above Upgrade Kit 55.903, a swivel and rotor arm of your choice.

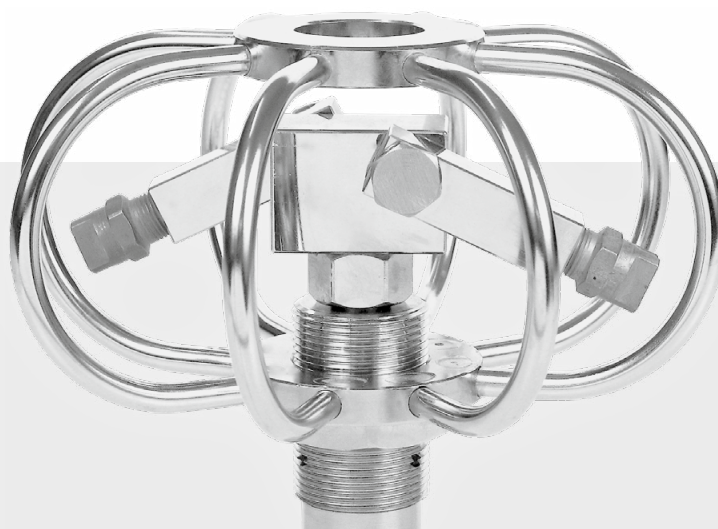
Name	Part No.	Includes
FL-Z	55.910	1 DYC Swivel G3/8" F, 2 Adapter plate, 3 Mounting bolts, 4 Distance-adaptor, 5 Rotor Arm TKA 2w2¼ ø300
FL-Z	55.911	1 DYC Swivel G3/8" F, 2 Adapter plate, 3 Mounting bolts, 4 Distance-adaptor, 5 Rotor Arm TKA 2w2¼ ø400
FL-Z	55.912	1 DYC Swivel G3/8" F, 2 Adapter plate, 3 Mounting bolts, 4 Distance-adaptor, 5 Rotor Arm TKA 3w3¼ ø450

Nozzles not included.

- ✓ Easy installation
- ✓ Self rotating and stainless steel
- ✓ Adjustable and non adjustable versions
- ✓ Protection plate available
- ✓ Maintenance free



Clean vent hoods, trash chutes, pipes, totes, manholes and most containers. This self rotating unit is completely maintenance free. The rotating head spins within the protective cage directing the high pressure spray to your surface. The installation is simple and fast.



(81.522)

\* Nozzles not included.

**Important:**  
**Do not use unprotected!**

## TYR \*adjustable\*

The adjustable arms allow different spray angles. Perfect for horizontal ducts and tanks.

warm water		cold water					
TYR-2s	TYR-3s	TRR-2s	TRR-3s				
Part No.	Part No.	Part No.	Part No.	ø	IN	Height	Weight
81.501	81.701	85.501	85.701	75	G1/4" F	60	0.5 kg
81.502	81.702	85.502	85.702	75	G3/8" F	60	0.5 kg
81.521	81.721	85.521	85.721	150	G1/4" F	70	0.8 kg
81.522	81.722	85.522	85.722	150	G3/8" F	70	0.8 kg
81.551	81.751	85.551	85.751	300	G1/4" F	70	1.1 kg
81.552	81.752	85.552	85.752	300	G3/8" F	70	1.1 kg
81.561	81.761	85.561	85.761	400	G1/4" F	70	1.3 kg
81.562	81.762	85.562	85.762	400	G3/8" F	70	1.3 kg
81.571	81.771	85.571	85.771	500	G1/4" F	70	1.6 kg
81.572	81.772	85.572	85.772	500	G3/8" F	70	1.6 kg
81.581	81.781	85.581	85.781	600	G1/4" F	70	1.8 kg
81.582	81.782	85.582	85.782	600	G3/8" F	70	1.8 kg



(81.422)

\* Nozzles not included.

**Important:**  
**Do not use unprotected!**

## TYR \*fixed\*

The non adjustable arms with fixed spray angle is perfect for vertical chutes.

warm water		cold water					
TYR-2f	TYR-3f	TRR-2f	TRR-3f				
Part No.	Part No.	Part No.	Part No.	ø	IN	Height	Weight
81.401	81.601	85.401	85.601	75	G1/4" F	60	0.5 kg
81.402	81.602	85.402	85.602	75	G3/8" F	60	0.5 kg
81.421	81.621	85.421	85.621	150	G1/4" F	70	1.0 kg
81.422	81.622	85.422	85.622	150	G3/8" F	70	1.0 kg
81.451	81.651	85.451	85.651	300	G1/4" F	70	1.3 kg
81.452	81.652	85.452	85.652	300	G3/8" F	70	1.3 kg
81.461	81.661	85.461	85.661	400	G1/4" F	70	1.5 kg
81.462	81.662	85.462	85.662	400	G3/8" F	70	1.5 kg
81.471	81.671	85.471	85.671	500	G1/4" F	70	1.6 kg
81.472	81.672	85.472	85.672	500	G3/8" F	70	1.6 kg
81.481	81.681	85.481	85.681	600	G1/4" F	70	1.8 kg
81.482	81.682	85.482	85.682	600	G3/8" F	70	1.8 kg

### TECHNICAL DATA

Pressure	275 bar
Temperature	TYR 120°C / TRR 30°C
Inlet	see chart
Body	stainless steel
RPM	TYR 2000 rpm / TRR 1000 rpm

Nozzles	2f/2s for 2x 1/8" Nozzles* 3f/3s for 3x 1/8" Nozzles*
Throughput	ph 3 - 12

- ✓ Complete solution
- ✓ Delivered ready to install
- ✓ Ergonomic design

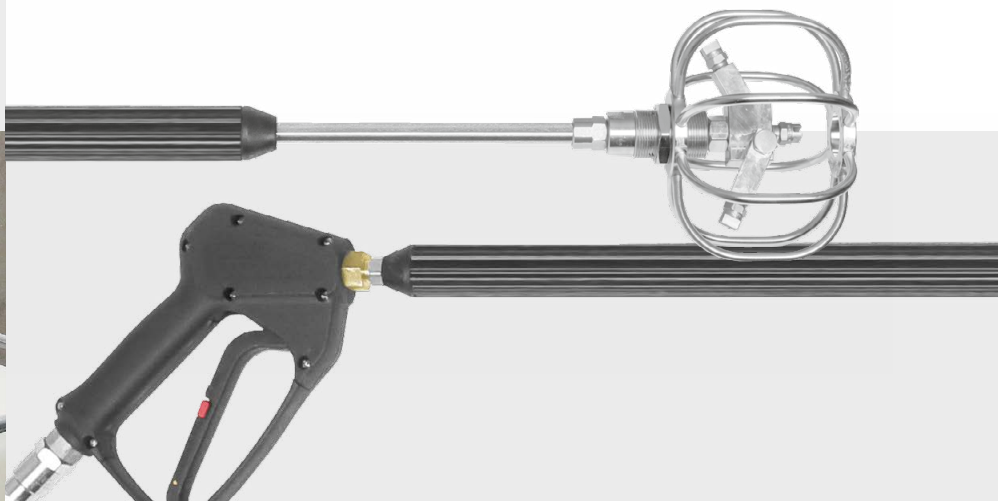


## TECHNICAL DATA

Pressure	275 bar
Temperature	120°C
Inlet	G3/8" F
Throughput	ph 3 - 12

**Important: Do not use unprotected!**

This complete cleaning lance with rotating spinner head was designed to clean tanks, plastic containers, trash cans and portable toilets. There are three nozzles included with the spinner head. Two are adjustable nozzles and are located on the side and one on the end of the unit. Side cleaning nozzles also prevent forward blowback.



## TRL Lance

with swivel

Part No.	IN	Swivel	Length	ø	HP-Nozzles	Weight
81.926	G3/8" F	yes	1600	150	3x 18.05020	2.5 kg

# HP SPECIAL LANCES

- ✓ HP-Gun with low trigger force and swivel
- ✓ Variable handle
- ✓ With different nozzles available



## TECHNICAL DATA

Pressure	275 bar
Temperature	120°C
Nominal width	6
Throughput	ph 3 - 12

**Important: Do not use unprotected!**

The Mosmatic standard lances made of high quality stainless steel are now available with special nozzles. It can be chosen between Lance with Turbo Nozzle, with Chewing gum remover nozzle or with the Standard Mosmatic Nozzle. The solid construction and the unique workmanship ensure longevity and value.



## HP Rotor-Lance

Part No.	Total length	Swivel	Nozzle	Weight
24.918	1330	yes	14.915	2.1 kg

Inlet G3/8" F



## HP Gum-Lance

Part No.	Total length	Swivel	Nozzle	Weight
24.928	1320	yes	29.119	2.0 kg

Inlet G3/8" F



## HP Standard-Lance

Part No.	Total length	Swivel	Nozzle	Weight
24.938	1240	yes	---	1.5 kg

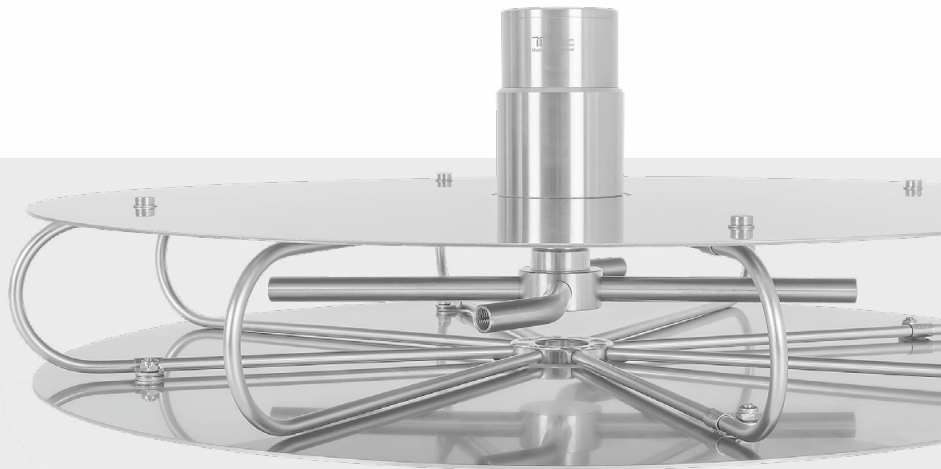
Inlet G3/8" F

## MANHOLE CLEANER

- ✓ With protection plate
- ✓ Optimal cleaning of vertical main
- ✓ Easy to use

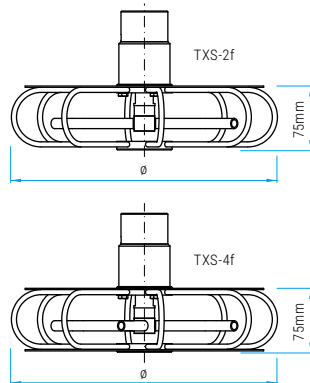


The Mosmatic Manhole Cleaner is ideal for the restoration, cleaning and service of manholes, liftstations and other long vertical drops. Easy to use self rotating equipment made for higher flow rates. Stainless Steel protection plate included. Choose from a variety of sizes.



### TECHNICAL DATA

**Pressure** 170 bar  
**Temperature** 120°C  
**Inlet** G1/2" F (TXS-2f)  
 G1" F (TXS-4f)  
**Body** stainless steel  
**Nozzles\*** for 2x 1/8" (TXS-2f)  
 for 4x 1/8" (TXS-4f)  
**Throughput** ph 3 - 12



### TXS-2f with protective plate

Part No.	Ø	Weight
81.033	300	3.7 kg
81.043	400	4.4 kg
81.053	500	5.3 kg
81.063	600	6.4 kg
81.083	800	9.5 kg

\* Nozzles not included.

### TXS-4f with double protective plate

Part No.	Ø	Weight
81.937	400	5.4 kg
81.938	500	7.0 kg

**Important: Do not use unprotected!**

## SILO CLEANER

- ✓ Adjusts to your application
- ✓ Equipped with stabilizer nozzles
- ✓ Completely maintenance-free



Mosmatic has a solution for cleaning Silo's and other large diameter vertical drops. The extendable arms with rollers help guide and maintain a close surface cleaning impact. Simply attach a suspension cable to the eyelets and use your winch to raise and lower the Silo Cleaner. Stabilizer nozzles increase the cleaning distance and impact and maintain a more concentrated spray pattern. Stainless steel construction and maintenance free design help to ensure long life and reliability.



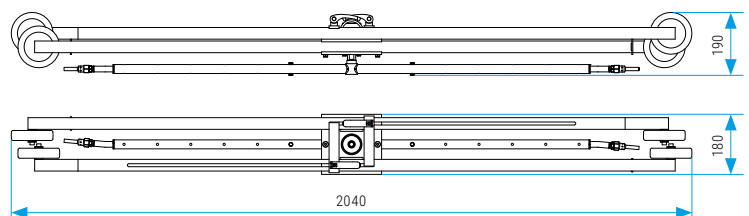
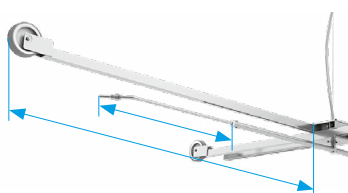
### Silo-R

Part No.	Length/Width	Height	Rotor Arm	Nozzles	Wheels	Weight
81.091	2040 - 3500 mm	210 mm	82.9036	2x 18.050EG	4x Ø100	25 kg

### FEATURES

#### Variable Lengths & Foldable

The length of the rotating arm is easily adjusted from 2040 up to 3500 mm. Folding the Silo Cleaner allows for a tight fit into the Silo loading port.



### TECHNICAL DATA

**Pressure** 170 bar  
**Temperature** 120°C  
**Inlet** G1/2" F

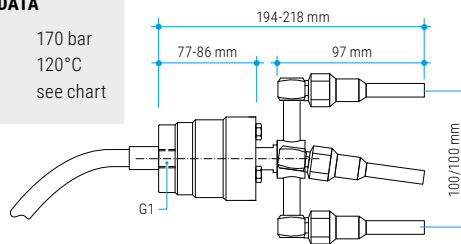
## CLEANING HEAD SPIDER

- ✓ Complete hydro-driven head for vehicle washes
- ✓ Long range impact stabilizer nozzles
- ✓ Stainless steel construction
- ✓ High and low volume versions available



### TECHNICAL DATA

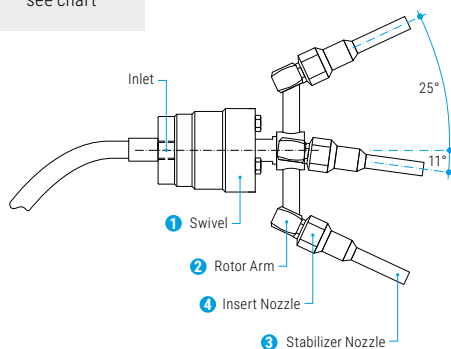
**Pressure** 170 bar  
**Temperature** 120°C  
**Inlet** see chart



### TECHNICAL DATA

**Pressure** DYT 275 bar  
 DXTI 170 bar  
**Temperature** 120°C  
**Inlet** see chart

Design your personal Spider.  
 Choose the swivel, rotor arm and  
 the nozzles to suit your needs.  
 Follow the numbers **1-4**.



### A Action diameter

Distance	Cleaning surface
250 mm	330 mm
500 mm	550 mm
750 mm	780 mm
1000 mm	1010 mm

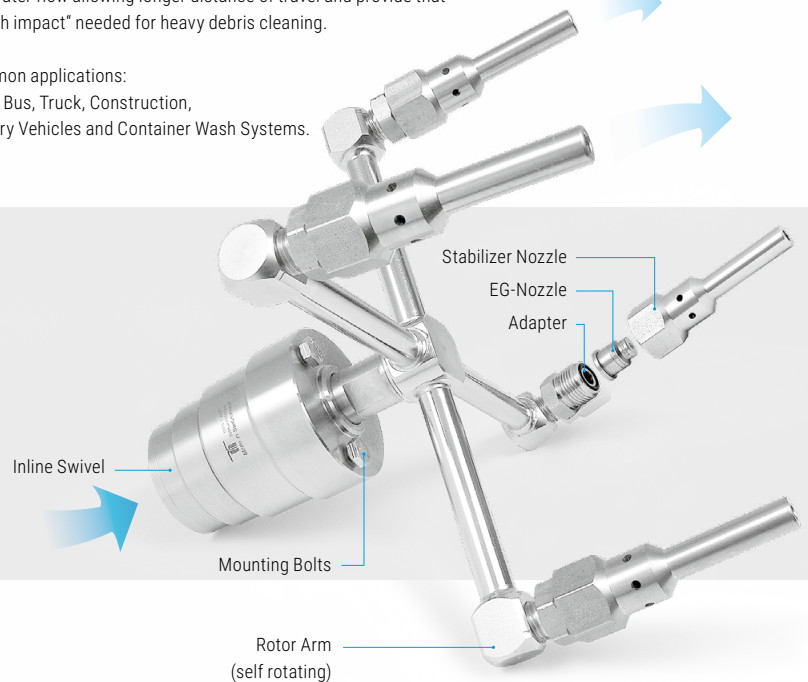
### B Action diameter

Distance	Cleaning surface		
	ø100	ø150	ø200
250 mm	440 mm	480 mm	530 mm
500 mm	700 mm	740 mm	790 mm
750 mm	950 mm	1000 mm	1050 mm
1000 mm	1200 mm	1250 mm	1300 mm

This rotary-head equipped with four stabilizer nozzles makes it possible to clean all kinds of surfaces from a further distance without pressure loss. Air injection nozzles expand and contain the water flow allowing longer distance of travel and provide that "punch impact" needed for heavy debris cleaning.

Common applications:

Train, Bus, Truck, Construction,  
 Military Vehicles and Container Wash Systems.



## Complete Cleaning Head Spider A

Part No.	G1 (F)	NW	Swivel	25° Rotor Arm	Stabilizer Nozzles	Insert Nozzle	Bolts
<b>81.929</b>	G3/8" F	9	DXTIs (39.603)	4w4 (82.954)	4x 14.901	---	3 Units
<b>81.930</b>	G1/2" F	12	DXTIs (39.805)	4w4 (82.9084)	4x 14.901	---	3 Units
<b>81.931</b>	G3/4" F	12	DXTIs (39.906)	4w4 (82.9084)	4x 14.901	---	3 Units
<b>81.932</b>	G1" F	12	DXTIs (39.908)	4w4 (82.9084)	4x 14.901	---	3 Units

\* Requires 4x EG-nozzles, according to your pump specifications

## Individual 3/8" Cleaning Head Spider B

1 Swivel (Inlet)	2 Rotor Arm (Diameter)	3 Stabilizer Nozzle	4 Insert Nozzle
59.603 DYT (G3/8" F)	82.9110 TKA 2w2 1/4" 11°/25° (100)	14.901	18.020EG
	82.9111 TKA 2w2 1/4" 11°/25° (150)		18.030EG
	82.9112 TKA 2w2 1/4" 11°/25° (200)		18.040EG
	82.9113 TKA 4w4 1/4" 11°/25° (100/100)		18.050EG
	82.9114 TKA 4w4 1/4" 11°/25° (150/150)		18.060EG
	82.9115 TKA 4w4 1/4" 11°/25° (200/200)		18.070EG
			18.080EG
			18.090EG

## Individual 1/2" Cleaning Head Spider

1 Swivel (Inlet)	2 Rotor Arm (Diameter)	3 Stabilizer Nozzle	4 Insert Nozzle
39.805 DXTI (G1/2" F)	82.9120 TKA 2w2 1/4" 11°/25° (100)	14.901	18.100EG
39.906 DXTI (G3/4" F)	82.9121 TKA 2w2 1/4" 11°/25° (150)		18.110EG
39.908 DXTI (G1" F)	82.9122 TKA 2w2 1/4" 11°/25° (200)		18.120EG
	82.9123 TKA 4w4 1/4" 11°/25° (100/100)		18.140EG
	82.9124 TKA 4w4 1/4" 11°/25° (150/150)		18.180EG
	82.9125 TKA 4w4 1/4" 11°/25° (200/200)		18.200EG

## FEATURES

### Quality Swivel

High rpm stainless steel swivel, features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions.



### Rotor Arms

Can withstand up to 275 bar, are precision welded and balanced.



### Stabilizer Nozzles

The Mosmatic stabilizer nozzles included with your Spider ensure the effectiveness of your cleaning by increasing the distance and impact of your spray.



Part No. 14.901 (1/4" NPTM) without insert nozzle

Part No. 14.902 (1/8" NPTM) without insert nozzle

- ✓ Available with weep option
- ✓ Ergonomically molded
- ✓ Low Trigger Force Technology

Mosmatic offers a wide variety of high pressure guns. From our Low Trigger Force guns that offer 90% reduced holding and 40% less trigger force to models with built in live swivels. Standard and Weep model designs are also available.



### Mosmatic HP Gun «Aero»

Pressure: 275 bar, Temperature: 150°C  
IN G3/8" F, OUT G1/4" F

Part No.	Weep	Groove	Weight
29.045	---	---	0.5 kg
29.034	yes	---	0.5 kg
29.092	---	yes	0.5 kg
29.037	yes	yes	0.5 kg

### Mosmatic HP Gun «Nano»

Pressure: 275 bar, Temperature: 150°C  
IN G3/8" F, OUT G1/4" F

Part No.	Weep	Groove	Free flow	Weight
29.053	---	---	---	0.8 kg
29.054	yes	---	---	0.8 kg
29.117	---	yes	---	0.8 kg
29.967	---	---	yes	0.8 kg

### HP Gun «Starlet»

Pressure: 250 bar, Temperature: 150°C  
IN G3/8" F, OUT G1/4" F

Part No.	Weep	Groove	Weight
29.049	---	---	0.8 kg
29.033	yes	---	0.8 kg
29.093	---	yes	0.8 kg
29.036	yes	yes	0.8 kg



### Mosmatic HP Gun «Neo»

Temperature: 150°C  
IN G3/8" F, OUT G1/4" F

Part No.	Weep	LTF	Swivel	Pressure	Color	Weight
29.100	---	---	---	310 bar	orange	0.6 kg
29.094	---	yes	---	350 bar	blue	0.6 kg
29.104	---	yes	---	500 bar	red	0.6 kg
29.131	---	yes	yes	350 bar	blue	0.6 kg
29.133	yes	yes	yes	350 bar	blue	0.6 kg
29.141	yes	yes	---	350 bar	blue	0.6 kg

LTF = Low Trigger Force

### Mosmatic HP Gun «Neo»

Temperature: 150°C  
IN G1/2" F, OUT G1/2" F

Part No.	Pressure	Color	Weight
29.135	600 bar	blue	0.7 kg

## ROTOR ARMS

- ✓ Polished stainless steel
- ✓ Solid yet light construction
- ✓ Precision welded and balanced

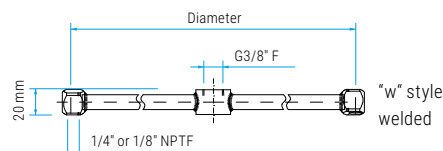
High pressure rotor arms are constructed of stainless steel and come in a variety of configurations. Welded and balanced to eliminate dangerous vibrations and ensure smooth performance.



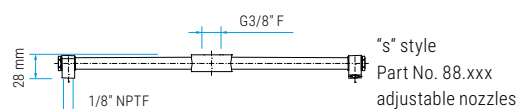
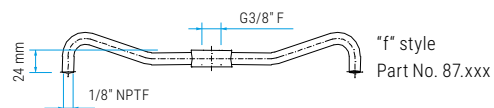
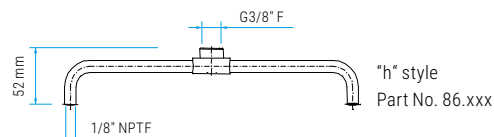
**Important:**  
Do not use rotor arms unprotected!

### TKA-2w2 (for two nozzles) TKA-2w3 (for three nozzles)

Part No. 1/4" Nozzles	Part No. 1/8" Nozzles	Part No. 1/4" Nozzles	Part No. 1/8" Nozzles	Diameter
82.705	82.805	82.720	82.820	100 mm
82.706	82.806	82.721	82.821	150 mm
82.707	82.807	82.722	82.822	200 mm
82.708	82.808	82.723	82.823	250 mm
82.709	82.809	82.724	82.824	300 mm
82.710	82.810	82.725	82.825	350 mm
82.711	82.811	82.726	82.826	400 mm
82.712	82.812	82.727	82.827	450 mm
82.791	82.891	82.792	82.892	470 mm
82.713	82.813	82.728	82.828	500 mm
82.714	82.814	82.729	82.829	550 mm
82.715	82.815	82.730	82.830	600 mm



### Other styles



### TKA-3w3 (for three nozzles) TKA-3w4 (for four nozzles)

Part No. 1/4" Nozzles	Part No. 1/8" Nozzles	Part No. 1/4" Nozzles	Part No. 1/8" Nozzles	Diameter
82.765	82.865	82.780	82.880	100 mm
82.766	82.866	82.781	82.881	150 mm
82.767	82.867	82.782	82.882	200 mm
82.768	82.868	82.783	82.883	250 mm
82.769	82.869	82.784	82.884	300 mm
82.770	82.870	82.785	82.885	350 mm
82.771	82.871	82.786	82.886	400 mm
82.772	82.872	82.787	82.887	450 mm
82.793	82.893	82.794	82.894	470 mm
82.773	82.873	82.788	82.888	500 mm
82.774	82.874	82.789	82.889	550 mm
82.775	82.875	82.790	82.890	600 mm



Matching swivel are models: DYT, DYCI, DYF, DYG, DYL

Mosmatic offers a variety of hardened stainless steel high pressure nozzles. All wash jet nozzles (Meg) are available in various sizes and spray angles. Standard nozzles are 1/8" & 1/4" NPTM, spray angles 0°, 5°, 15° & 25° and sizes 2 through 10.

Nozzles not included.

### TKA-4w4 (for four nozzles) TKA-4w5 (for five nozzles)

Part No. 1/4" Nozzles	Part No. 1/8" Nozzles	Part No. 1/4" Nozzles	Part No. 1/8" Nozzles	Diameter
82.731	82.831	82.746	82.846	200/200 mm
82.733	82.833	82.748	82.848	350/200 mm
82.735	82.835	82.750	82.850	400/150 mm
82.737	82.837	82.752	82.852	400/250 mm
82.742	82.842	82.757	82.857	470/350 mm
82.743	82.843	82.758	82.858	500/350 mm



#### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa) also available as 500 bar (50 MPa)
<b>Temperature</b>	120°C
<b>Body &amp; pipe</b>	stainless steel
<b>IN</b>	G3/8" F
<b>OUT (for nozzles)</b>	1/4" NPTF / 1/8" NPTF
<b>Throughput medium</b>	pH 3-12

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

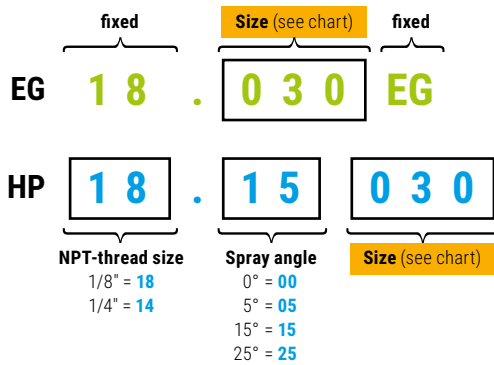
- ✓ 1/8", 1/4" and EG available
- ✓ Stainless steel
- ✓ Various spray angles

Mosmatic offers a variety of hardened stainless steel high pressure nozzles. All HP nozzles (Meg) are available in various sizes and spray angles. Standard nozzles are 1/8" & 1/4" NPT Male, spray angles 0°, 5°, 15° & 25° and sizes 2 through 10.

All EG nozzles, for use with stabilizer nozzles, have a 0° spray angle and are available from size 2 - 20.



## Your Part No.



## Nozzle recommendation (2 to 5 Nozzles)

Pump capacity	Quantity of Nozzles / Pressure in bar:				
	Size	2 Nozzles	3 Nozzles	4 Nozzles	5 Nozzles
1000 l/h (16.5 l/min.)	020	-	140	80	50
	025	200	90	50	-
	030	140	60	40	-
	040	80	40	-	-
1250 l/h (20 l/min.)	020	-	-	130	90
	025	-	150	90	60
	030	-	110	60	40
	040	160	60	30	-
	050	100	40	-	-
1500 l/h (25 l/min.)	020	-	-	190	120
	025	-	-	120	80
	030	-	150	80	60
	040	190	80	50	-
	045	150	70	40	-
	050	120	50	-	-
	060	80	40	-	-
1750 l/h (30 l/min.)	020	-	-	-	160
	025	-	-	160	100
	030	-	200	110	70
	040	-	110	60	40
	050	160	70	40	-
	060	110	50	-	-
	070	80	30	-	-
2000 l/h (33 l/min.)	020	-	-	-	210
	025	-	-	210	130
	030	-	-	150	90
	040	-	150	80	50
	050	200	100	50	-
	060	150	60	40	-
	070	100	50	-	-
2500 l/h (40 l/min.)	025	-	-	-	220
	030	-	-	240	150
	040	-	230	130	90
	050	-	150	90	50
	060	230	110	60	40
	070	180	80	40	-
	080	130	60	-	-
3000 l/h (50 l/min.)	090	100	50	-	-
	030	-	-	-	210
	040	-	-	190	120
	050	-	220	120	80
	060	-	160	80	50
	070	240	110	60	-
	080	190	90	40	-
	090	150	70	-	-
	100	120	60	-	-

## Nozzle recommendation (1 Nozzle)

Size	Flow rate in (l/min) at:												
	20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar	275 bar	350 bar
020	2.0	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.6	5.6	6.4	7.4	8.3
030	3.1	3.4	3.7	4.0	4.3	4.8	5.3	5.7	6.8	8.4	9.7	11.4	12.6
040	4.1	4.6	5.0	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9	15.6	17.5
045	4.6	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5	16.6	18.7
050	5.1	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1	18.8	21.2
055	5.6	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7	20.6	23.4
060	6.1	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3	22.6	25.5
065	6.6	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21.0	24.5	27.5
070	7.1	8.0	8.7	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23.0	26.0	29.3
075	7.6	8.5	9.4	10.1	10.8	12.1	13.2	14.3	17.1	21.0	24.0	28.1	31.6
080	8.2	9.1	10.0	10.8	11.5	12.9	14.1	15.3	18.2	22.0	26.0	30.0	33.7
090	9.2	10.3	11.2	12.1	13.0	14.5	15.9	17.2	21.0	25.0	29.0	33.5	37.8
100	10.2	11.4	12.5	13.5	14.4	16.1	17.7	19.1	23.0	28.0	32.0	37.6	42.1
150	15.3	17.1	18.7	20.0	22.0	24.0	26.0	29.0	34.0	42.0	48.0	56.0	63.0
200	20.0	23.0	25.0	27.0	29.0	32.0	35.0	38.0	46.0	56.0	64.0	74.7	84.1



**Ceramic nozzle** (with swivel nut\*)

Part No.	IN	Angle	Size
29.076*	G3/8" F	80°	040
29.075	---	80°	040



**Foam nozzle**

Part No.	IN	Angle	Size
18.50400	1/8"NPTM	50°	400



**Stabilizer Nozzle** (without insert nozzle)

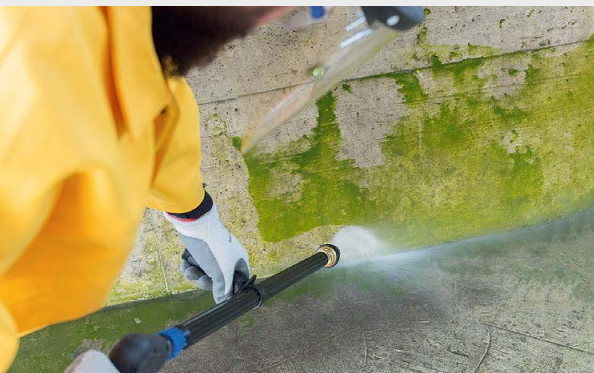
Part No.	IN
14.901	1/4" NPTM
14.902	1/8" NPTM

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

- ✓ Cut cleaning in half
- ✓ Wider coverage with a 0° spray

The Mosmatic Turbo Nozzle increases your Cleaning coverage. The 0 degree rotation creates a penetrating chiselling action, saving you time and money. Use this high pressure upgrade solution for hard surface applications such as concrete, graffiti removal or mud-encrusted vehicles. Turbo nozzles increase cleaning efficiency as much as 200% compared to a flat fan nozzle.



## Turbo Nozzle «Rex»

Part No.	IN	Size	Color	max. Press.	max. Temp.	Weight
14.100	G1/4" F	3.0	yellow	400 bar	100°C	0.6 kg
14.101		3.5	purple			
14.102		4.0	brown			
14.103		4.5	lime			
14.104		5.0	black			
14.105		5.5	light blue			
14.106		6.0	red			
14.107		6.5	white			
14.108		7.0	pink			
14.109		8.0	orange			
14.110		9.0	green			
14.111		10.0	grey			

14.120	G1/2" F	3.0	yellow	250 bar	100°C	0.6 kg
14.121		3.5	purple			
14.122		4.0	brown			
14.123		4.5	lime			
14.124		5.0	black			
14.125		5.5	light blue			
14.126		6.0	red			
14.127		6.5	white			
14.128		7.0	pink			
14.129		8.0	orange			
14.130		9.0	green			
14.131		10.0	grey			

Other sizes upon request.



## Turbo Nozzle «Rex small»

Part No.	IN	Size	Color	max. Press.	max. Temp.	Weight
14.932	G1/4" F	4.0	brown	250 bar	100°C	0.3kg
14.934		5.5	light blue			

Other sizes upon request.



## Turbo Nozzle «iRex»

Part No.	IN	Size	Color	max. Press.	max. Temp.	Weight
14.200	G1/4" F	3.0	yellow	400 bar	90°C	0.6 kg
14.201		3.5	purple			
14.202		4.0	brown			
14.203		4.5	lime			
14.204		5.0	black			
14.205		5.5	light blue			
14.206		6.0	red			
14.207		6.5	white			
14.208		7.0	pink			
14.209		8.0	orange			
14.210		9.0	green			
14.211		10.0	grey			

Other sizes upon request.



## Hydro Digging Turbo Nozzle «iRex»


Part No.	IN	Size	Color	max. Press.	max. Temp.	Weight
14.229	G1/2" F	8.0	orange	200 bar	90°C	0.6 kg
14.230		9.0	green			
14.231		10.0	grey			

Other sizes upon request.


**Important:** Always start turbo nozzles in down position. Do not use unprotected!


### Legend


M.. = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position


Adaptor with sieve	Part No.	Weight	
IN G3/8" F, OUT G3/8" M, MC 50	<b>53.001</b>	0.06 kg	
IN G3/8" F, OUT G3/8" M, MC 200	<b>53.002</b>	0.06 kg	
IN G1/2" F, OUT G1/2" M, MC 50	<b>53.005</b>	0.06 kg	
IN G1/2" F, OUT G1/2" M, MC 200	<b>53.006</b>	0.06 kg	


MC = Mesh count


Extension fitting	Part No.	Weight	
for DR-520 roof cleaner IN G3/8" F, OUT G3/8" M	<b>38217</b>	0.05 kg	


Extension for surface cleaner	Part No.	Weight	
440 mm, stainless IN M22x1.5 F, OUT G1/4" M	<b>78.908</b>	0.3 kg	


Hand grip replacement kit	Part No.	Weight	
for Surface Cleaner ø200/300	<b>78.945</b>	0.2 kg	

Height adjusters long	Part No.	Weight	
for DR-520 roof cleaner	<b>904.351</b>	0.2 kg	


High pressure filter	Part No.	Weight	
IN G1/4" F, OUT R1/4" M	<b>90.060</b>	0.2 kg	

HP Quick connect coupler stainless steel, 350 bar	Part No.	Weight	
G1/4" F, D 12, NW 6, SW 22	<b>70.010</b>	0.06 kg	
G1/4" M, D 12, NW 6, SW 22	<b>70.011</b>	0.08 kg	
G3/8" F, D 15, NW 9, SW 24	<b>70.012</b>	0.1 kg	
G3/8" M, D 15, NW 9, SW 24	<b>70.013</b>	0.1 kg	




HP Quick connect plug stainless steel, 350 bar	Part No.	Weight	
G1/4" F, D 12, NW 6, SW 17	<b>70.020</b>	0.03 kg	
G1/4" M, D 12, NW 6, SW 17	<b>70.021</b>	0.03 kg	
G3/8" F, D 15, NW 9, SW 22	<b>70.022</b>	0.06 kg	
G3/8" M, D 15, NW 9, SW 22	<b>70.023</b>	0.06 kg	


Mosmatic HP Gun «NEO»	Part No.	Weight	
350 bar, 150°C, Low Trigger Force IN G3/8" F, OUT G1/4" F	<b>29.094</b>	0.6 kg	
500 bar, 150°C, Low Trigger Force IN G3/8" F, OUT G1/4" F	<b>29.104</b>	0.6 kg	



More products see HP Gun page.


Nozzle guard	Part No.	Weight	
plug on ø16 & G3/8"	<b>29.010</b>	0.01 kg	


More products upon request.


Nozzles	Part No.	Weight	
Nozzle package #2 for AQUA surface cleaner	<b>78.983</b>	0.04 kg	
Low pressure upgrade kit for Hurricane-Series	<b>80.9011</b>	3.8 kg	
Gum remover nozzle, IN G1/4" F Size #3	<b>29.102</b>	0.6 kg	
Gum remover nozzle, IN G1/4" F Size #4	<b>29.103</b>	0.6 kg	
Gum remover nozzle, IN G1/4" F Size #5	<b>29.119</b>	0.6 kg	
Ceramic nozzle, 80° angle Size 180 (040), IN G3/8" F	<b>29.076</b>	0.02 kg	


Pedal switch	Part No.	Weight	
for DR-520 roof cleaner IN M22x1.5 M, OUT M22x1.5 F	<b>80.987</b>	14.0 kg	


Protection plate	Part No.	Weight	
for Surface Cleaner ø200	<b>902.922</b>	0.2 kg	
for Surface Cleaner ø300	<b>900.066</b>	0.6 kg	
for Duct Cleaner ø300, stainless	<b>901.022</b>	0.7 kg	
for Duct Cleaner ø400, stainless	<b>901.023</b>	1.3 kg	
for Duct Cleaner ø500, stainless	<b>901.024</b>	2.1 kg	
for Duct Cleaner ø600, stainless	<b>901.025</b>	3.0 kg	
Screw-set	<b>81.942</b>	0.05 kg	

Quick connection	Part No.	Weight	
IN M22x1.5 F, OUT 6 (1/4"), NW 4	<b>50.131</b>	0.07 kg	
IN M22x1.5 F, OUT 8 (5/16"), NW 5.8	<b>50.132</b>	0.07 kg	
IN M22x1.5 F, OUT 10 (3/8"), NW 7	<b>50.133</b>	0.06 kg	

Stabilizer Nozzle	Part No.	Weight	
1/4" NPTM, 95 mm	<b>14.901</b>	0.1 kg	
1/8" NPTM, 93 mm	<b>14.902</b>	0.1 kg	

Swivel for paint spray guns	Part No.	Weight	
IN G1/4" F, OUT G1/4" M	<b>32.916</b>	0.43 kg	
IN G1/8" F, OUT G1/8" M	<b>32.918</b>	0.43 kg	

TYR Hook	Part No.	Weight	
stabilize your Duct Cleaner	<b>81.905</b>	0.1 kg	

TYR Mobile (adjustable)	Part No.	Weight	
for ø150-300 pipe	<b>81.911</b>	4.1 kg	
for ø300-500 pipe	<b>81.902</b>	4.3 kg	
for ø500-600 pipe	<b>81.903</b>	7.0 kg	

Duct Cleaner not included.

**Our goal:**

**To provide quality and reliability in design and performance.**

# ROTARY UNIONS

## **Car Wash Industry**

Rim cleaning, self-service car wash, undercarriage or touchless wash systems, Mosmatic swivels have been a source for all major manufacturers.



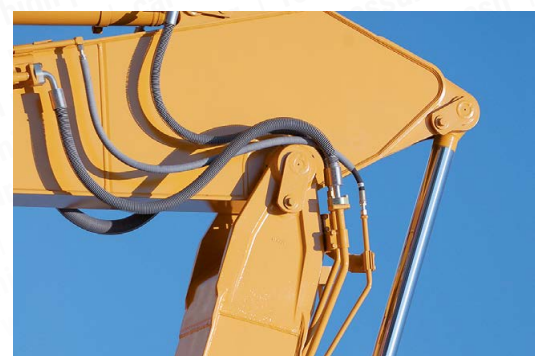
## **High Pressure Cleaning Industry**

With a proven design portfolio, Mosmatic offers a complete line of low and high rpm designs. From product advancements to exotic applications such as sea water we can assist, provide or design something for you.



## **Hydraulics and Pneumatics**

Provide longer life and reliability to your hydraulic or high pressure hose applications with Mosmatic large variety of swivels.



## **Industrial Cleaning**

With clean compact low profile designing, Mosmatic swivels can be integrated into many different application and installation areas. Don't compromise performance and design when we can assist with the right union for your needs.



OPTIMAL
  ALTERNATIVE

Application	DGV	DGVI	DGK	DGS	DKS	DGE	DGEI	DGR	WDE	WDEI	WDEI LP	WDG	WDB	WDC	WDRS	DGL	DGG	DGF	DXL	DGX	DXF	DXTI	DXLS	DXGS	DXFS	DYL	DYG	DYF	DYW	DYCI/DYDI	DYTI/DYU	DYKI	QVS
Agriculture																																	
Automatic carwashes																																	
Bus/Train/Truck wash systems																																	
Ceiling Boom																																	
Compressed air guns																																	
Container wash																																	
Conveyor belt cleaning																																	
Duct cleaning																																	
Fire Service																																	
Fishnet cleaning																																	
Fleet wash																																	
Food Industry																																	
Hose																																	
Hose reels																																	
HP-Cleaner																																	
HP-Guns																																	
Hydraulic																																	
Lances																																	
Mining Industry																																	
Municipal vehicle																																	
Paint guns																																	
Paint Industry																																	
Parts washer																																	
Pipe cleaning																																	
Pneumatic																																	
Salt water																																	
Self-rotating application																																	
Surface Cleaner																																	
Tire cleaning																																	
Touchless carwash																																	
Tunnel wash systems																																	
Wheel washer																																	

If you don't see your application on the chart, please contact us.

**Inline + 90° Swivels**

	Nominal width	Seal System	Pressure max. [bar]	RPM max. [rpm]	Temp. max. [°C]	Type	Page
Swivels, single bearing system	NW 6 - 9	O-ring	275	30	120	<b>DGV</b>	<b>66</b>
Swivels, single bearing system	NW 6 - 9		500	30	120	<b>DGVI</b>	<b>67</b>
Swivels, single bearing system, short	NW 4 - 6.4		275	30	120	<b>DGK</b>	<b>68-69</b>
Swivels, dual bearing system	NW 6 - 9		275	30	120	<b>DGS</b>	<b>70</b>
Swivel couplings, single bearing system	NW 4 - 6.4		250	30	120	<b>DKS</b>	<b>71</b>
Hi flo Swivels, single bearing system	NW 10 - 36		275	30	120	<b>DGE</b>	<b>72</b>
Hi flo Swivels, triple bearing system	NW 10 - 36		350	30	120	<b>DGEI</b>	<b>73</b>
Hi flo Swivels, quadruple bearing system	NW 16 - 50		10-200	70-200	5-80	<b>DGR</b>	<b>74</b>

90° Swivels	NW 7 - 12	O-ring	275	30	120	<b>WDE</b>	<b>75</b>
90° Swivels, dual bearing system	NW 7 - 25		200/400 50	30	120	<b>WDEI</b> <b>WDEI LP</b>	<b>76</b>
90° Swivels	NW 7 - 13		150/275	30	90/120	<b>WDG</b>	<b>77</b>
90° Swivels, dual bearing system	NW 7 - 10		275	30-200	120	<b>WDB</b>	<b>78</b>
90° Swivels, dual bearing system	NW 12		275	30-200	120	<b>WDC</b>	<b>79</b>
Hi flo 90° Swivels, dual bearing system	NW 9 - 50		10-200	60-150	5-80	<b>WDRS</b>	<b>80</b>

**High RPM Swivels**

Swivels, triple bearing system	NW 6 - 9	O-ring	275	1000	30	<b>DGL</b>	<b>81</b>
Swivels, triple bearing system, with bulkhead fitting	NW 6 - 9		275	1000	30	<b>DGG</b>	<b>82</b>
Swivels, triple bearing system, with flange	NW 6 - 9		275	1000	30	<b>DGF</b>	<b>83</b>

Swivels, triple bearing system	NW 6	Ceramic	170	2000	5-120	<b>DXL</b>	<b>84</b>
Swivels, triple bearing system	NW 6		20	1000	180	<b>DXLS / DXGS</b> <b>DXFS</b>	<b>85</b>
Swivels, triple bearing system, with bulkhead fitting	NW 6		170	2000	5-120	<b>DXG</b>	<b>86</b>
Swivels, triple bearing system, with flange	NW 6		170	2000	5-120	<b>DXF</b>	<b>87</b>
Swivels, quadruple bearing system	NW 6 - 12		170	2000	120	<b>DXTI</b>	<b>88</b>

Swivels, triple bearing system	NW 6	Carbide	275	2000	120	<b>DYL</b>	<b>89</b>
Swivels, triple bearing system, with bulkhead fitting	NW 6 - 9		275	2000	120	<b>DYG</b>	<b>90</b>
Swivels, triple bearing system, with flange	NW 6		275	2000	120	<b>DYF</b>	<b>91</b>
Swivels, triple bearing system	NW 6		350	2000	120	<b>DYW</b>	<b>92</b>
Swivels, triple bearing system	NW 6 - 9		350/500	2000	120	<b>DYCI / DYDI</b>	<b>93</b>
Swivels, quadruple bearing system	NW 6 - 9		350/500	2000	120	<b>DYT / DYU</b>	<b>94</b>
Swivel,s quadruple bearing system	NW 6 - 9		350	2000	120	<b>DYKI</b>	<b>95</b>

**Accessories**

Quick connections	<b>QVS</b>	<b>96</b>
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**Additional Seal Options available**

**EPDM (E) or FKM/Viton (V).** Please indicate letter of seal material after part number.

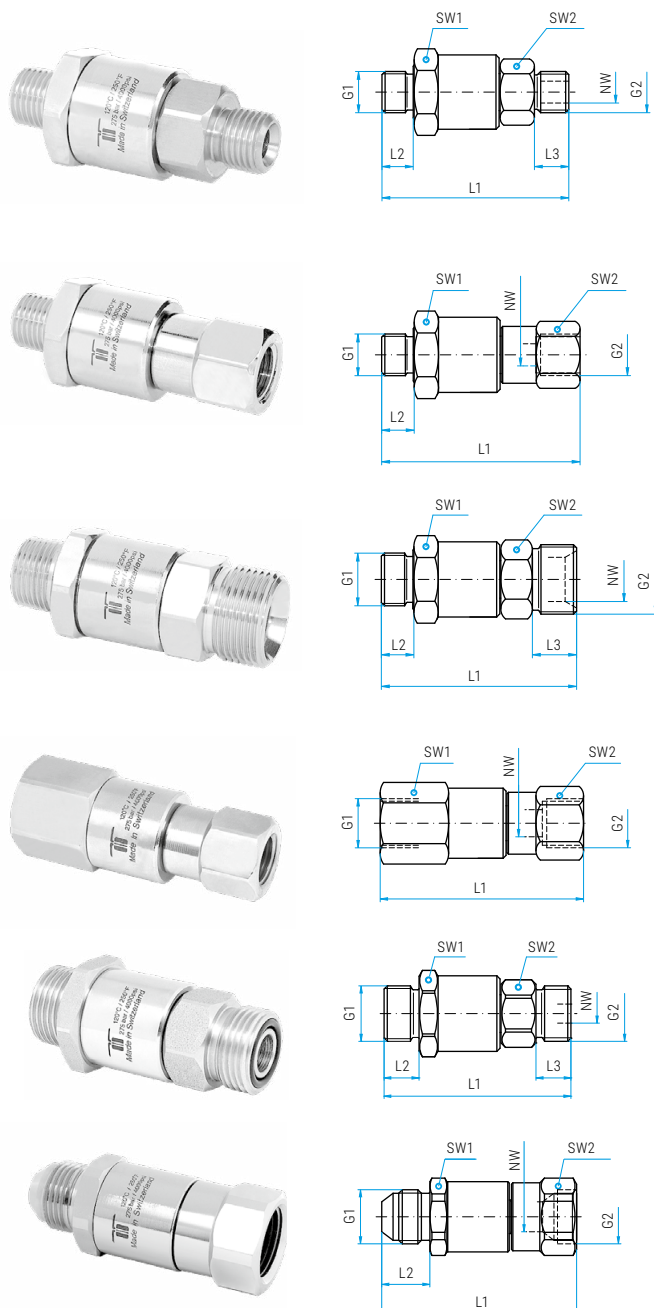
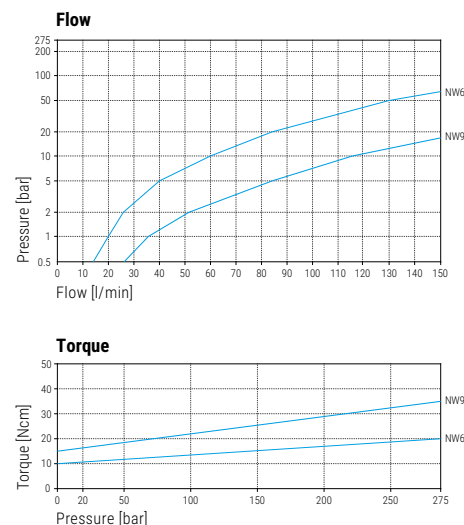
- ✓ Live rotation under maximum pressure
- ✓ Single bearing system
- ✓ Stainless steel internal parts
- ✓ Corrosion resistant
- ✓ Reinforced inner shaft and bearings
- ✓ Maintenance free

## Application

HP-Guns, hose connections, hydraulics, tangle-free applications

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	stainless steel brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DGV

Part No.	G1 (M)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
<b>32.511</b>	G1/4" M	G1/4" M	6	24	19	60	10	11	130 g
<b>32.513</b>	G1/4" M	G3/8" M	6	24	19	61	10	12	130 g
<b>32.531</b>	G3/8" M	G1/4" M	6	24	19	60	10	11	140 g
<b>32.533</b>	G3/8" M	G3/8" M	6	24	19	61	10	12	140 g
<b>32.831</b>	G1/2" M	G3/8" M	9	27	19	68	15	12	210 g
<b>32.833</b>	G1/2" M	G1/2" M	9	27	27	72	15	15	230 g

Part No.	G1 (M)	G2 (F)	NW	SW1	SW2	L1	L2	Weight
<b>32.512</b>	G1/4" M	G1/4" F	6	24	19	63	10	140 g
<b>32.514</b>	G1/4" M	G3/8" F	6	24	22	64	10	160 g
<b>32.532</b>	G3/8" M	G1/4" F	6	24	19	63	10	150 g
<b>32.534</b>	G3/8" M	G3/8" F	6	24	22	64	10	170 g
<b>32.834</b>	G1/2" M	G1/2" F	9	27	27	75	15	230 g

Part No.	G1 (M)	G2 (QV)	NW	SW1	SW2	L1	L2	L3	Weight
<b>32.517</b>	G1/4" M	M18x1.5 M	6	24	19	58	10	10	130 g
<b>32.518</b>	G1/4" M	M21x1.5 M	6	24	22	62	10	14	140 g
<b>32.519</b>	G1/4" M	M22x1.5 M	6	24	22	62	10	14	150 g
<b>32.537</b>	G3/8" M	M18x1.5 M	6	24	19	58	10	10	140 g
<b>32.538</b>	G3/8" M	M21x1.5 M	6	24	22	62	10	14	150 g
<b>32.539</b>	G3/8" M	M22x1.5 M	6	24	22	62	10	14	160 g
<b>32.839</b>	G1/2" M	M22x1.5 M	9	27	22	69	15	14	230 g

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	Weight
<b>32.582</b>	G1/4" F	G1/4" F	6	24	19	67	180 g
<b>32.584</b>	G1/4" F	G3/8" F	6	24	22	68	190 g
<b>32.592</b>	G3/8" F	G1/4" F	6	24	19	68	190 g
<b>32.594</b>	G3/8" F	G3/8" F	6	24	22	69	190 g

### DGV Face seal

Part No.	G1 (M)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
<b>32.571</b>	11/16"-16UN	11/16"-16UN	6	24	22	59	11	11	140 g
<b>32.871</b>	13/16"-16UN	13/16"-16UN	9	27	24	62	11	11	170 g

### DGV Hydraulic

Part No.	G1 (M)	G2 (F)	NW	SW1	SW2	L1	L2	Weight
<b>32.926</b>	3/4" JIC M	3/4" JIC F	9	25	25	69	17	170 g

DGV Heat Shield see DGV1 page.

### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number. Minimum orders apply.

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ Live rotation under maximum pressure
- ✓ Complete stainless steel construction
- ✓ Single bearing system
- ✓ Corrosion resistant
- ✓ Maintenance free

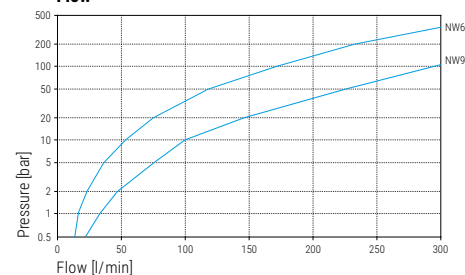
## Application

HP-guns, high pressure hose reels, hydraulics, tangle-free applications

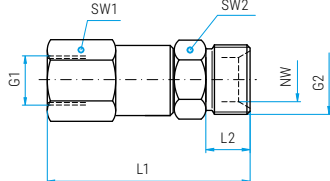
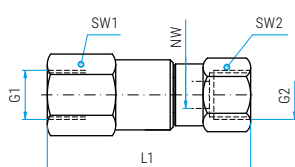
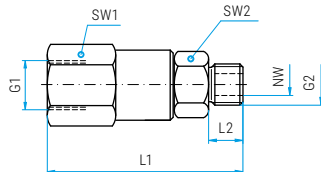
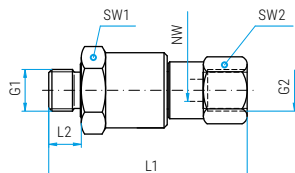
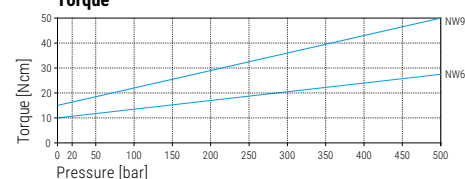
### TECHNICAL DATA

<b>Pressure</b>	500 bar (50 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow



### Torque



### DGVI

Part No.	G1	G2 (F)	NW	SW1	SW2	L1	L2	Weight
<b>32.702</b>	R1/4" M	G1/4" F	6	24	19	54	10	150 g
<b>32.724</b>	R3/8" M	G3/8" F	6	24	22	56	10	160 g
<b>32.734</b>	G3/8" M	G3/8" F	6	24	22	64	10	170 g
<b>32.814</b>	G1/2" M	G1/2" F	9	27	27	75	15	250 g

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>32.781</b>	G1/4" F	G1/4" M	6	24	19	64	11	160 g
<b>32.783</b>	G1/4" F	G3/8" M	6	24	19	65	12	170 g

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	Weight
<b>32.782</b>	G1/4" F	G1/4" F	6	24	19	66	190 g
<b>32.784</b>	G1/4" F	G3/8" F	6	24	22	68	200 g

Part No.	G1 (F)	G2 (QV)	NW	SW1	SW2	L1	L2	Weight
<b>32.787</b>	G1/4" F	M18x1.5 M	6	24	19	62	10	140 g
<b>32.788</b>	G1/4" F	M21x1.5 M	6	24	22	66	14	150 g
<b>32.789</b>	G1/4" F	M22x1.5 M	6	24	22	66	14	160 g



### DGV Heat Shield

Part No.	Material	Screw	Weight
<b>28.973*</b>	PA, black	included	35 g

\* minimum order quantity 15 pcs

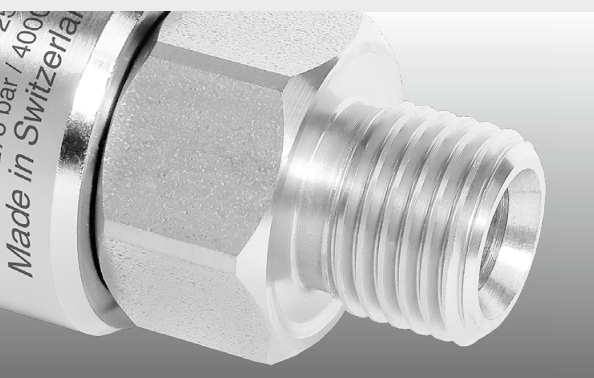
### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Live swivel, low torque
- ✓ Maintenance free
- ✓ Guaranteed easy rotation at maximum pressure
- ✓ Compact design

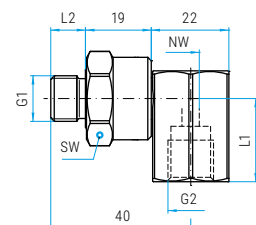
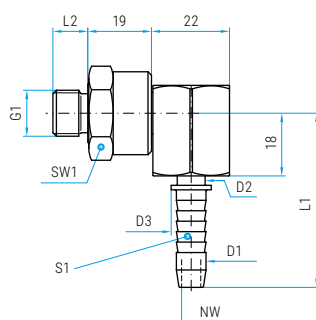
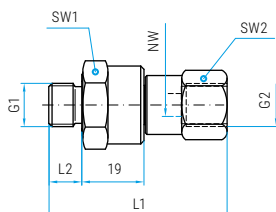
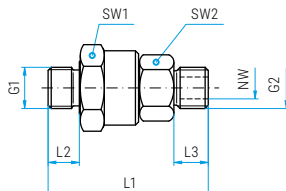
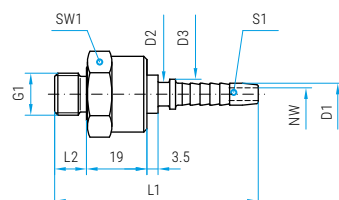
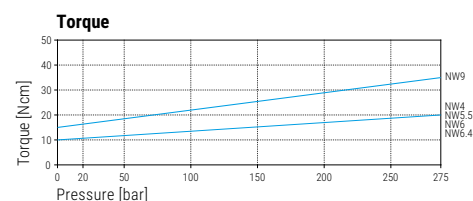
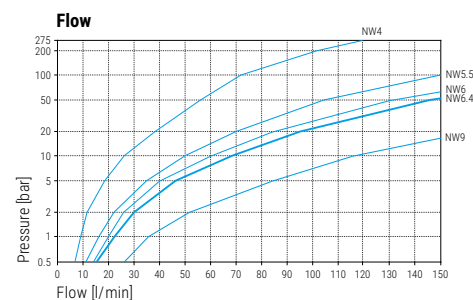


## Application

HP-Guns, hose connections, hydraulics, tangle-free applications

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	stainless steel brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DGK

Part No.	G1 (M)	S1	NW	SW1	L1	L2	D1	D2	D3	Weight
32.031	G1/4" M	6 (1/4")	4	24	64	10	6.9	7.4	9.4	80 g
32.032	G1/4" M	8 (5/16")	5.5	24	66	10	8.4	8.6	11.2	80 g
32.039	G1/4" M	10 (3/8")	6.4	24	68	10	10.1	9	12	80 g
32.131	G3/8" M	6 (1/4")	4	24	64	10	6.9	7.4	9.4	90 g
32.132	G3/8" M	8 (5/16")	5.5	24	66	10	8.4	8.6	11.2	80 g
32.139	G3/8" M	10 (3/8")	6.4	24	68	10	10.1	9	12	90 g

### DGK (single bearing, compact)

Part No.	G1 (M)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
32.001	G1/4" M	G1/4" M	6	24	19	51	10	11	90 g
32.003	G1/4" M	G3/8" M	6	24	19	52	10	12	110 g
32.007	G1/4" M	M18x1.5 M	6	24	19	49	10	10	90 g
32.101	G3/8" M	G1/4" M	6	24	19	51	10	11	110 g
32.103	G3/8" M	G3/8" M	6	24	19	52	10	12	110 g
32.107	G3/8" M	M18x1.5 M	6	24	19	49	10	10	100 g

Part No.	G1 (M)	G2 (F)	NW	SW1	SW2	L1	L2	Weight
32.002	G1/4" M	G1/4" F	6	24	19	54	10	110 g
32.102	G3/8" M	G1/4" F	6	24	19	54	10	110 g
32.104	G3/8" M	G3/8" F	6	24	22	55	10	130 g

### DGK 90°

Part No.	G1 (M)	S1	NW	SW1	L1	L2	D1	D2	D3	Weight
32.331	G1/4" M	6 (1/4")	4	24	49.5	10	6.7	7.3	10	150 g
32.332	G1/4" M	8 (5/16")	5.5	24	51.5	10	8.4	9	12	150 g
32.339	G1/4" M	10 (3/8")	6.4	24	53.5	10	10.7	10.7	13.5	170 g
32.431	G3/8" M	6 (1/4")	4	24	49.5	10	6.7	7.3	10	160 g
32.432	G3/8" M	8 (5/16")	5.5	24	51.5	10	8.4	9	12	160 g
32.439	G3/8" M	10 (3/8")	6.4	24	53.5	10	10.7	10.7	13.5	200 g

### DGK 90°

Part No.	G1 (M)	G2 (F)	NW	SW1	L1	L2	Weight
32.541	G1/4" M	G1/4" F	5	24	24	10	160 g
32.542	G1/4" M	G3/8" F	5	24	27	10	160 g
32.546	G3/8" M	G1/4" F	5	24	24	10	170 g
32.547	G3/8" M	G3/8" F	5	24	27	10	170 g

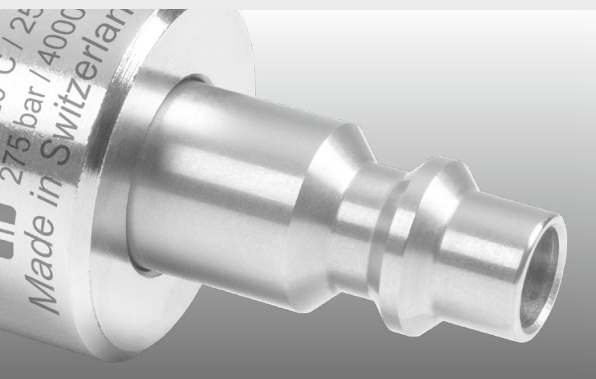
#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Improved gun mobility
- ✓ Plug Nipple: ISO-6150 B-profile
- ✓ Spray guns and compressed air guns
- ✓ High quality design
- ✓ High quality swivel for use with your specific application



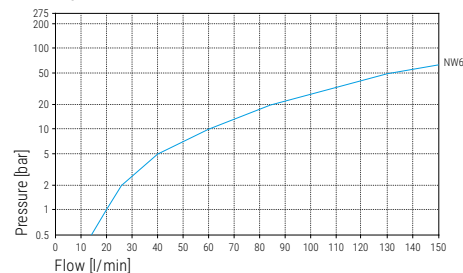
## Application

Compressed air guns, paint guns

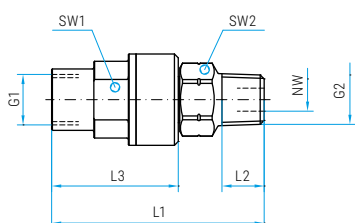
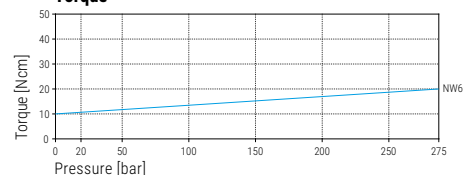
### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	stainless steel brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow

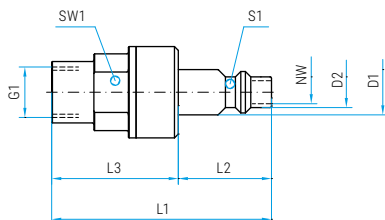


### Torque



### DGK

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
32.985	G1/4" F	1/4" NPTM	6	17	17	55	11	33	90 g



### DGK (ISO-6150 B-profile)

Part No.	G1 (F)	S1	NW	SW1	L1	L2	L3	D1	D2	Weight
32.986	G1/4" F	1/4"	6	17	57	24	33	11.8	8	80 g

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Very low torque
- ✓ Sealed stainless steel bearings
- ✓ Maintenance free
- ✓ Easy rotation at maximum pressure

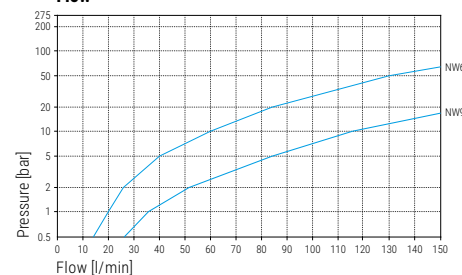
## Application

High and low pressure cleaning, hose connections, ceiling booms, hydraulic

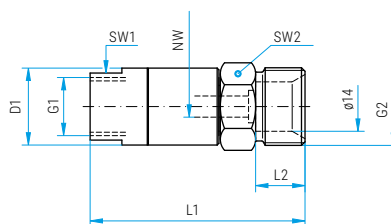
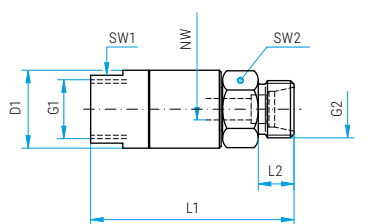
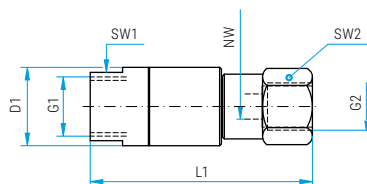
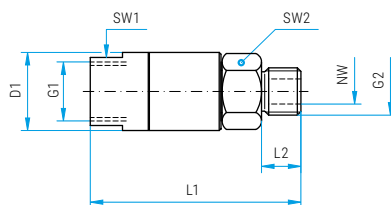
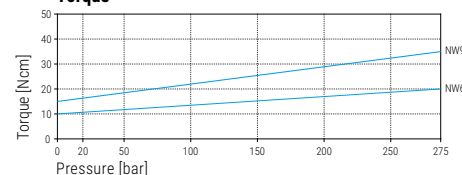
### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	1x thrust ball bearing 1x radial ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow



### Torque



### DGS

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	D1	Weight
30.001	G1/4" F	G1/4" M	6	19	19	59	11	22	120 g
30.003	G1/4" F	G3/8" M	6	19	19	60	12	22	130 g
30.101	G3/8" F	G1/4" M	6	22	19	59	11	25	120 g
30.103	G3/8" F	G3/8" M	6	22	19	60	12	25	130 g
30.603	G3/8" F	G3/8" M	9	22	19	62	12	25	140 g

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	D1	Weight
30.002	G1/4" F	G1/4" F	6	19	19	62	22	130 g
30.004	G1/4" F	G3/8" F	6	19	22	63	22	150 g
30.102	G3/8" F	G1/4" F	6	22	19	62	25	140 g
30.104	G3/8" F	G3/8" F	6	22	22	63	25	150 g
30.604	G3/8" F	G3/8" F	9	22	22	65	25	160 g

Part No.	G1 (F)	G2 (SV)	NW	SW1	SW2	L1	L2	D1	Weight
30.005	G1/4" F	M14x1.5 M	6	19	17	57	10	22	110 g
30.006	G1/4" F	M16x1.5 M	6	19	19	57	10	22	120 g
30.007	G1/4" F	M18x1.5 M	6	19	19	57	10	22	120 g
30.105	G3/8" F	M14x1.5 M	6	22	17	57	10	25	120 g
30.106	G3/8" F	M16x1.5 M	6	22	19	57	10	25	120 g
30.107	G3/8" F	M18x1.5 M	6	22	19	57	10	25	120 g
30.607	G3/8" F	M18x1.5 M	9	22	19	59	10	25	130 g

Part No.	G1 (F)	G2 (QV)	NW	SW1	SW2	L1	L2	D1	Weight
30.008	G1/4" F	M21x1.5 M	6	19	22	61	14	22	140 g
30.009	G1/4" F	M22x1.5 M	6	19	22	61	14	22	140 g
30.108	G3/8" F	M21x1.5 M	6	22	22	61	14	25	120 g
30.109	G3/8" F	M22x1.5 M	6	22	22	61	14	25	150 g

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Live rotation under maximum pressure
- ✓ Single bearing system
- ✓ Self-lubricating ball bearings
- ✓ Easy to install

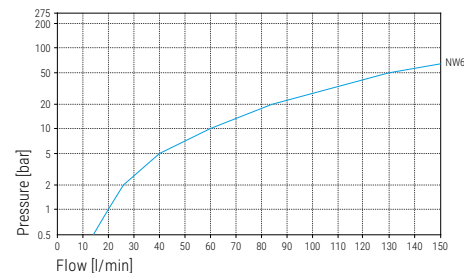
## Application

High pressure cleaning, hose connections, quick coupling

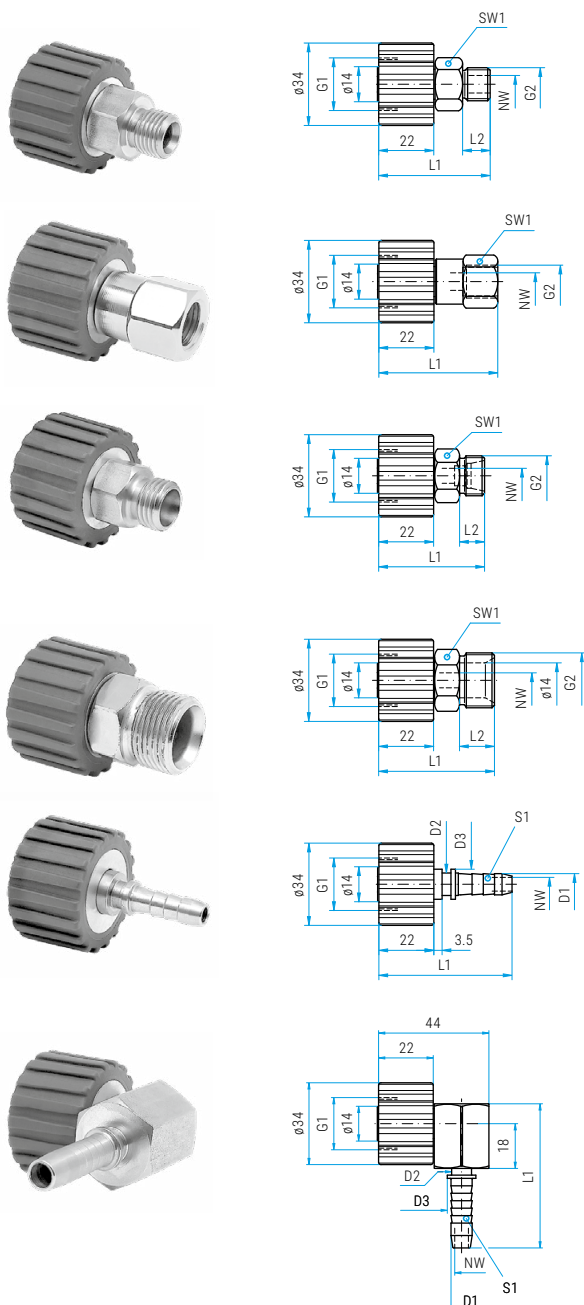
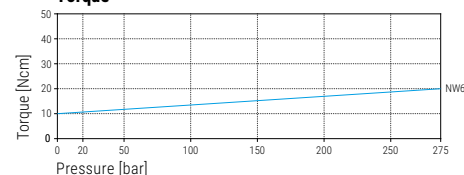
### TECHNICAL DATA

<b>Pressure</b>	250 bar (25 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow



### Torque



### DKS

Part No.	G1 (QV)	G2 (M)	NW	SW1	L1	L2	Weight	Color
<b>70.001</b>	M21x1.5 F	G1/4" M	6	19	45	11	100 g	grey
<b>70.003</b>	M21x1.5 F	G3/8" M	6	19	46	12	100 g	grey
<b>70.101</b>	M22x1.5 F	G1/4" M	6	19	45	11	100 g	red
<b>70.103</b>	M22x1.5 F	G3/8" M	6	19	46	12	110 g	red

Part No.	G1 (QV)	G2 (F)	NW	SW1	L1	Weight	Color
<b>70.002</b>	M21x1.5 F	G1/4" F	6	19	48	110 g	grey
<b>70.004</b>	M21x1.5 F	G3/8" F	6	22	49	130 g	grey
<b>70.102</b>	M22x1.5 F	G1/4" F	6	19	48	120 g	red
<b>70.104</b>	M22x1.5 F	G3/8" F	6	22	49	130 g	red

Part No.	G1 (QV)	G2 (SV)	NW	SW1	L1	L2	Weight	Color
<b>70.005</b>	M21x1.5 F	M14x1.5 M	6	17	43	10	100 g	grey
<b>70.006</b>	M21x1.5 F	M16x1.5 M	6	19	43	10	100 g	grey
<b>70.007</b>	M21x1.5 F	M18x1.5 M	6	19	43	10	100 g	grey
<b>70.105</b>	M22x1.5 F	M14x1.5 M	6	17	43	10	100 g	red
<b>70.106</b>	M22x1.5 F	M16x1.5 M	6	19	43	10	100 g	red
<b>70.107</b>	M22x1.5 F	M18x1.5 M	6	19	43	10	100 g	red

Part No.	G1 (QV)	G2 (QV)	NW	SW1	L1	L2	Weight	Color
<b>70.008</b>	M21x1.5 F	M21x1.5 M	6	22	47	14	120 g	grey
<b>70.009</b>	M21x1.5 F	M22x1.5 M	6	22	47	14	120 g	grey
<b>70.108</b>	M22x1.5 F	M21x1.5 M	6	22	47	14	120 g	red
<b>70.109</b>	M22x1.5 F	M22x1.5 M	6	22	47	14	130 g	red

Part No.	G1 (QV)	S1	NW	L1	D1	D2	D3	Weight	Color
<b>70.131</b>	M22x1.5 F	6 (1/4")	4	58	6.9	7.4	9.4	80 g	red
<b>70.132</b>	M22x1.5 F	8 (5/16")	5.5	60	8.4	8.6	11.2	90 g	red
<b>70.139</b>	M22x1.5 F	10 (3/8")	6.4	62	10.1	9	12	90 g	red

### DKS 90°

Part No.	G1 (QV)	S1	NW	L1	D1	D2	D3	Weight	Color
<b>70.582</b>	M22x1.5 F	8 (5/16")	5.5	58	8.4	9	11.5	160 g	red

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Maintenance free
- ✓ Sealed stainless steel bearings
- ✓ High flow, low torque

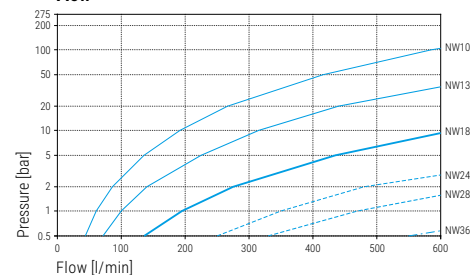
## Application

High flow, low rpm, automatic car wash systems, high pressure hose reels

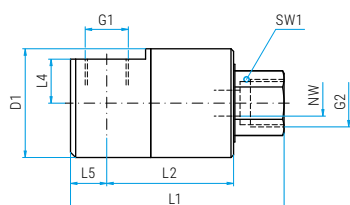
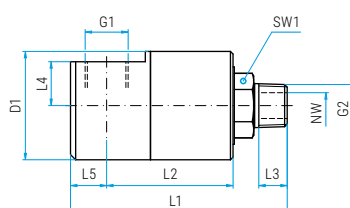
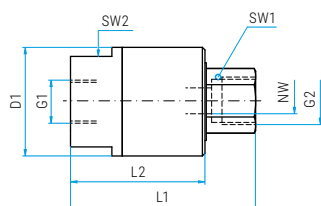
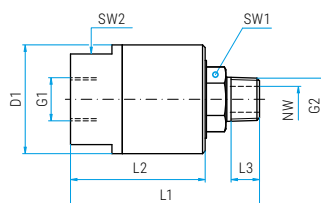
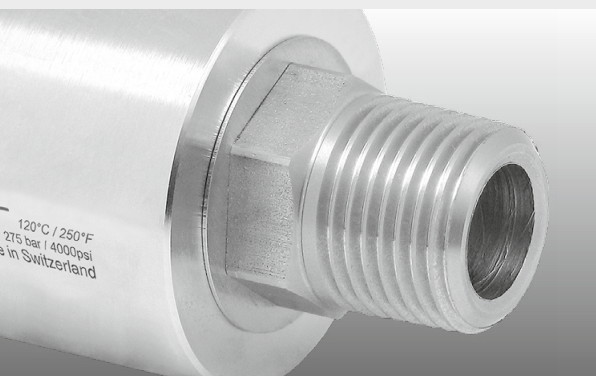
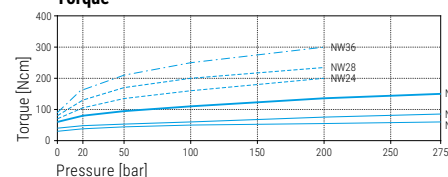
### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa) 200 bar* (20 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow



### Torque



### DGE

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	L3	D1	Weight
34.802	G3/8" F	R3/8" M	10	22	35	73	52	11	42	530 g
34.803	G1/2" F	R1/2" M	13	22	35	80	55	15	42	530 g
34.804	G3/4" F	R3/4" M	18	27	40	88	60.5	16	50	780 g
34.805*	G1" F	R1" M	24	36	50	90	60	18	60	1130 g
34.806*	G1¼" F	R1¼" M	28	38	50	110	71	20	60	1340 g
34.807*	G1½" F	R1½" M	36	50	70	112	73	20	85	2670 g

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	L2	D1	Weight
34.812	G3/8" F	G3/8" F	10	22	35	71	52	42	520 g
34.813	G1/2" F	G1/2" F	13	27	35	80	55	42	560 g
34.814	G3/4" F	G3/4" F	18	32	40	88	60.5	50	810 g
34.815*	G1" F	G1" F	24	36	50	85	60	60	1120 g
34.816*	G1¼" F	G1¼" F	28	50	50	103	71	60	1400 g
34.817*	G1½" F	G1½" F	36	54	70	105.5	73	85	2630 g

### DGE 90°

Part No.	G1 (F)	G2 (M)	NW	SW1	L1	L2	L3	L4	L5	D1	Weight
34.822	G3/8" F	R3/8" M	10	22	88	53	11	17	14	42	630 g
34.823	G1/2" F	R1/2" M	13	22	97	53	15	16	19	42	650 g
34.824	G3/4" F	R3/4" M	18	27	111	61	16	19	22	50	1000 g
34.825*	G1" F	R1" M	24	36	123	64	18	23	29	60	1590 g
34.826*	G1¼" F	R1¼" M	28	38	144	72	20	26	33	70	2080 g
34.827*	G1½" F	R1½" M	36	50	155.5	80.5	20	30	36	85	3610 g

Part No.	G1 (F)	G2 (F)	NW	SW1	L1	L2	L4	L5	D1	Weight
34.832	G3/8" F	G3/8" F	10	22	86	53	17	14	42	660 g
34.833	G1/2" F	G1/2" F	13	27	97	53	16	19	42	640 g
34.834	G3/4" F	G3/4" F	18	32	111	61	19	22	50	1010 g
34.835*	G1" F	G1" F	24	36	118	64	23	29	60	1510 g
34.836*	G1¼" F	G1¼" F	28	50	137	72	26	33	70	2140 g
34.837*	G1½" F	G1½" F	36	54	149	80.5	30	36	85	3570 g

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Polished stainless steel
- ✓ Maintenance free
- ✓ Sealed stainless steel ball bearings
- ✓ High flow, low torque

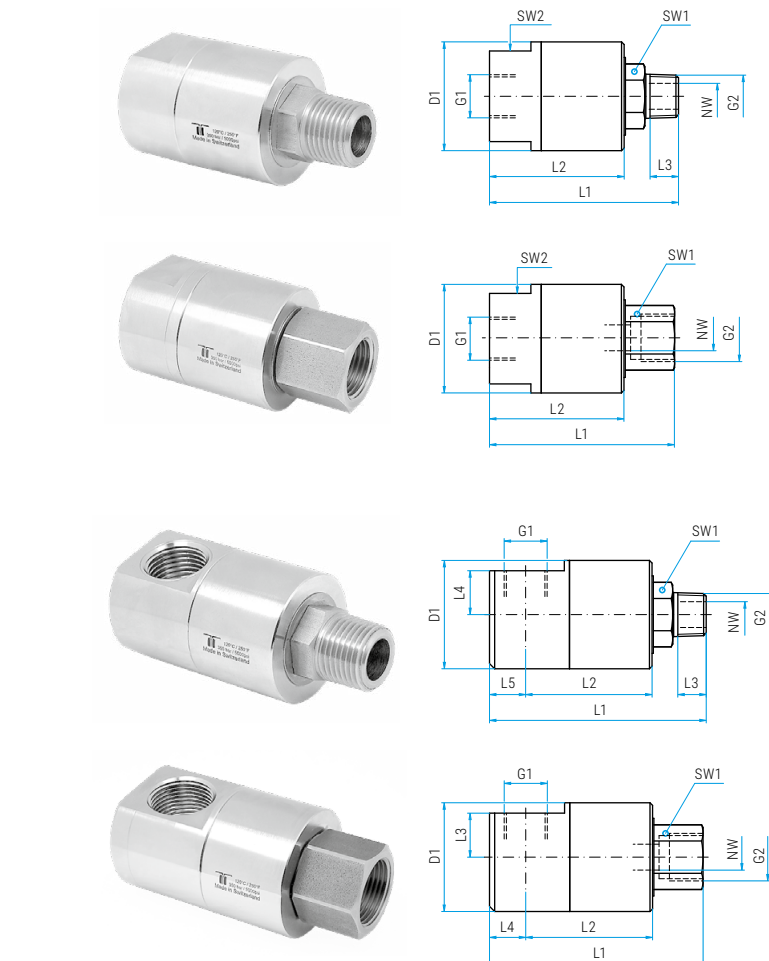
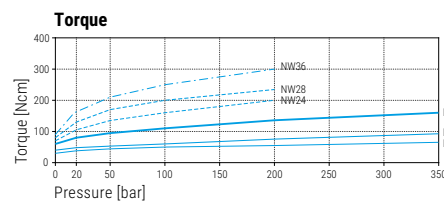
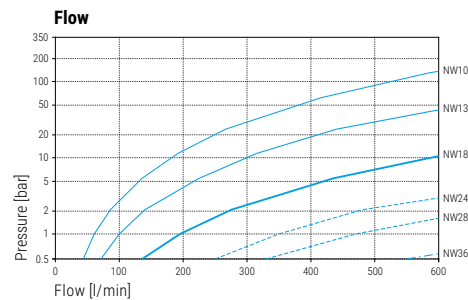


## Application

Pharmaceutical industry, food industry, high flow, low rpm, automatic car wash systems

### TECHNICAL DATA

<b>Pressure</b>	350 bar (35 MPa) 200 bar* (20 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	1x thrust ball bearing 2x sliding bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DGEI

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	L3	D1	Weight
<b>34.702</b>	G3/8" F	R3/8" M	10	22	35	73	52	11	42	540 g
<b>34.703</b>	G1/2" F	R1/2" M	13	22	35	80	55	15	42	540 g
<b>34.704</b>	G3/4" F	R3/4" M	18	27	40	93	65.5	16	50	790 g
<b>34.705*</b>	G1" F	R1" M	24	36	50	95	65	18	60	1140 g
<b>34.706*</b>	G1¼" F	R1¼" M	28	38	50	115	76	20	60	1350 g
<b>34.707*</b>	G1½" F	R1½" M	36	50	70	117	78	20	85	2680 g

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	L2	D1	Weight
<b>34.712</b>	G3/8" F	G3/8" F	10	22	35	71	52	42	530 g
<b>34.713</b>	G1/2" F	G1/2" F	13	27	35	80	55	42	570 g
<b>34.714</b>	G3/4" F	G3/4" F	18	32	40	93	65.5	50	820 g
<b>34.715*</b>	G1" F	G1" F	24	36	50	90	65	60	1130 g
<b>34.716*</b>	G1¼" F	G1¼" F	28	50	50	108	76	60	1410 g
<b>34.717*</b>	G1½" F	G1½" F	36	54	70	110.5	78	85	2640 g

### DGEI 90°

Part No.	G1 (F)	G2 (M)	NW	SW1	L1	L2	L3	L4	L5	D1	Weight
<b>34.722</b>	G3/8" F	R3/8" M	10	22	88	53	11	17	14	42	640 g
<b>34.723</b>	G1/2" F	R1/2" M	13	22	97	53	15	16	19	42	660 g
<b>34.724</b>	G3/4" F	R3/4" M	18	27	111	61	16	19	22	50	1010 g
<b>34.725*</b>	G1" F	R1" M	24	36	123	64	18	23	29	60	1600 g
<b>34.726*</b>	G1¼" F	R1¼" M	28	38	144	72	20	26	33	70	2090 g
<b>34.727*</b>	G1½" F	R1½" M	36	50	155.5	80.5	20	30	36	85	3620 g

Part No.	G1 (F)	G2 (F)	NW	SW1	L1	L2	L3	L4	D1	Weight
<b>34.732</b>	G3/8" F	G3/8" F	10	22	86	53	17	14	42	670 g
<b>34.733</b>	G1/2" F	G1/2" F	13	27	97	53	16	19	42	650 g
<b>34.734</b>	G3/4" F	G3/4" F	18	32	111	61	19	22	50	1020 g
<b>34.735*</b>	G1" F	G1" F	24	36	118	64	23	29	60	1520 g
<b>34.736*</b>	G1¼" F	G1¼" F	28	50	137	72	26	33	70	2150 g
<b>34.737*</b>	G1½" F	G1½" F	36	54	149	80.5	30	36	85	3580 g

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Quadruple bearing system
- ✓ High flow
- ✓ Solid stainless steel construction
- ✓ Long service life
- ✓ Maintenance free
- ✓ Corrosion resistant

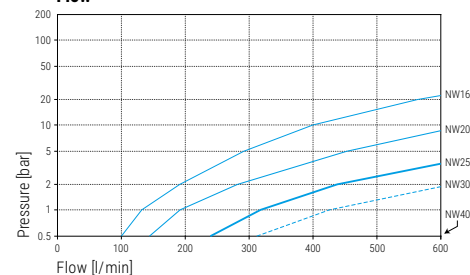
## Application

Thrust and radial forces, high pressure, industrial or food service applications

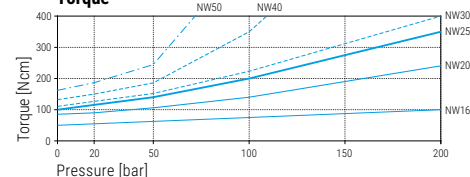
### TECHNICAL DATA

<b>Pressure</b>	10-200 bar (1-20 MPa)
<b>Temperature</b>	5°C - 80°C
<b>RPM</b>	see chart (max. RPM)
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	2x radial ball bearings 2x thrust ball bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow



### Torque



### DGR

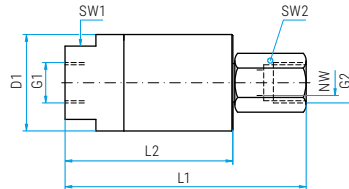
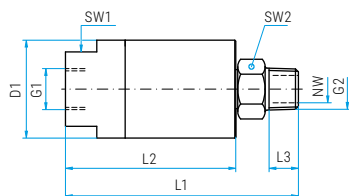
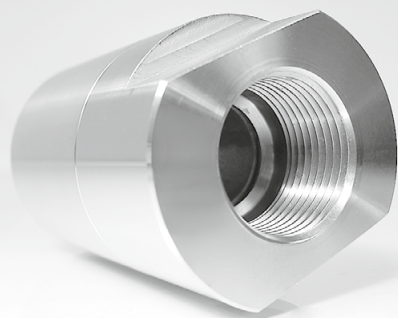
Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	L3	D1	max. RPM	Weight
<b>34.201</b>	G1/2" F	R1/2" M	16	38	27	119	87	15	50	200	1150 g
<b>34.301</b>	G3/4" F	R3/4" M	20	42	32	127	93	15	55	150	1440 g
<b>34.401</b>	G1" F	R1" M	25	46	36	135	96	18	60	130	1670 g
<b>34.521</b>	G1¼" F	R1¼" M	30	51	44	142	101	20	60	130	1740 g
<b>34.501</b>	G1½" F	R1½" M	40	65	55	154	104	20	80	100	3020 g
<b>34.601</b>	G2" F	R2" M	50	75	62	166	116	22	90	70	3760 g

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	L2	D1	max. RPM	Weight
<b>34.202</b>	G1/2" F	G1/2" F	16	38	27	125	87	50	200	1130 g
<b>34.302</b>	G3/4" F	G3/4" F	20	42	32	133	93	55	150	1420 g
<b>34.402</b>	G1" F	G1" F	25	46	36	141	96	60	130	1640 g
<b>34.522</b>	G1¼" F	G1¼" F	30	51	44	144	101	60	130	1720 g
<b>34.502</b>	G1½" F	G1½" F	40	65	55	154	104	80	100	3060 g
<b>34.602</b>	G2" F	G2" F	50	75	70	170	116	90	70	3780 g

<b>34.911</b>	Seal kit NW 16
<b>34.912</b>	Seal kit NW 20
<b>34.913</b>	Seal kit NW 25
<b>34.943</b>	Seal kit NW 30
<b>34.914</b>	Seal kit NW 40
<b>34.915</b>	Seal kit NW 50

<b>34.920</b>	Repair kit NW 16
<b>34.921</b>	Repair kit NW 20
<b>34.922</b>	Repair kit NW 25
<b>34.944</b>	Repair kit NW 30
<b>34.923</b>	Repair kit NW 40
<b>34.924</b>	Repair kit NW 50

Repair kit includes seal and bearing set.



#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Stainless steel
- ✓ Maintenance free
- ✓ Sliding bearing

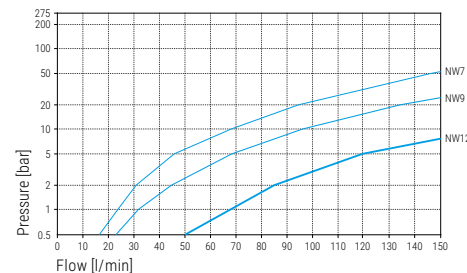
## Application

Ceiling boom, high pressure hose reels, high pressure cleaner, food industry

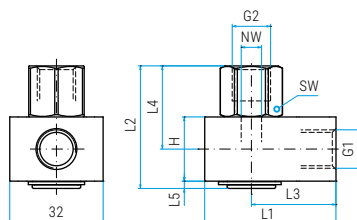
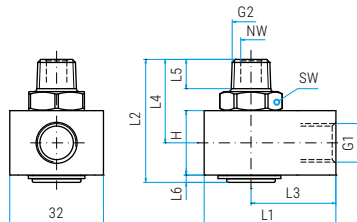
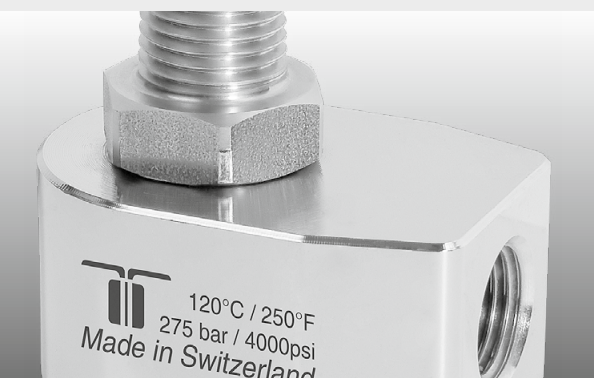
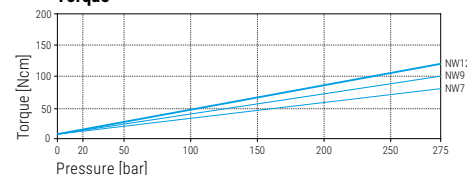
### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR / Support ring (optional: EPDM or FKM)
<b>Bearing</b>	sliding bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow



### Torque



### WDE

Part No.	G1 (F)	G2 (M)	NW	H	L1	L2	L3	L4	L5	L6	SW	Weight
43.401	G1/4" F	R1/4" M	7	22	45	42	29	28.5	10	2.5	19	225 g
43.402	G3/8" F	R3/8" M	9	24	45	45	29	30.5	11	2.5	19	230 g
43.403	G1/2" F	R1/2" M	12	28	45	55	29	38.5	15	2.5	22	260 g

Part No.	G1 (F)	G2 (F)	NW	H	L1	L2	L3	L4	L5	SW	Weight
43.406	G1/4" F	G1/4" F	7	22	45	42	29	28.5	2.5	19	230 g
43.407	G3/8" F	G3/8" F	9	24	45	45	29	30.5	2.5	19	220 g
43.408	G1/2" F	G1/2" F	12	28	45	57	29	40.5	2.5	27	290 g

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

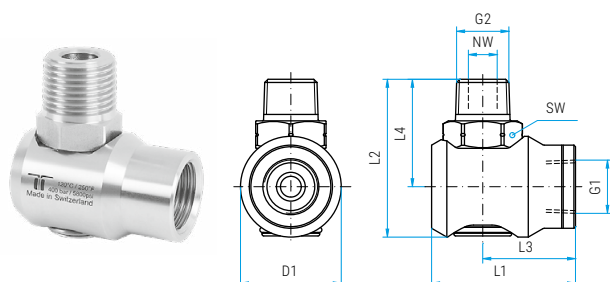
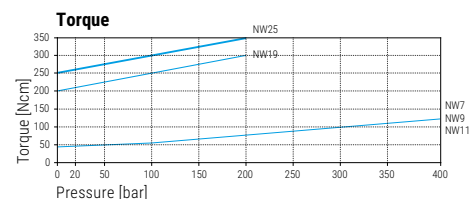
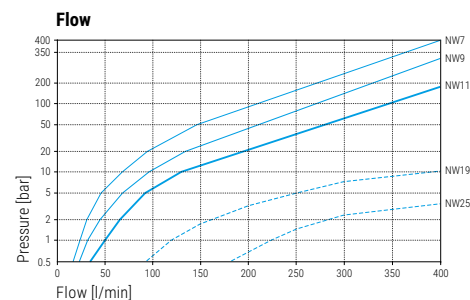
- ✓ Complete stainless steel
- ✓ Maintenance free
- ✓ Compact design
- ✓ Sliding bearing system

## Application

Hose reels

### TECHNICAL DATA

<b>Pressure</b>	400 bar (40 MPa) 200 bar (20 MPa)* 50 bar (5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	sliding bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### WDEI (Operating range 50-400 bar)

Part No.	Box Part No.	G1 (F)	G2	NW	L1	L2	L3	L4	D1	SW	Box	Weight
43.411	43.411B	G1/4" F	R1/4" M	7	45	48	29	33	32	22	25 pcs.	240 g
43.412	43.412B	G3/8" F	R3/8" M	9	45	49	29	34	32	22	25 pcs.	220 g
43.413	43.413B	G1/2" F	R1/2" M	11	50	53	34	38	32	22	25 pcs.	220 g
43.414*	43.414B*	G3/4" F	R3/4" M	19	75	80	48	54	52	36	10 pcs.	780 g
43.415*	43.415B*	G1" F	R1" M	25	85	90	55	60	60	41	10 pcs.	1070 g
43.416	43.416B	G3/8" F	R1/2" M	9	45	53	29	38	32	22	25 pcs.	220 g
43.417	43.417B	G1/2" F	R3/8" M	9	50	49	34	34	32	22	25 pcs.	220 g

\* 200 bar

### WDEI low Pressure (Operating range up to 50 bar)

Part No.	Box Part No.	G1 (F)	G2	NW	L1	L2	L3	L4	D1	SW	Box	Weight
43.431	43.431B	G1/4" F	R1/4" M	7	45	48	29	33	32	22	25 pcs.	240 g
43.432	43.432B	G3/8" F	R3/8" M	9	45	49	29	34	32	22	25 pcs.	220 g
43.433	43.433B	G1/2" F	R1/2" M	11	50	53	34	38	32	22	25 pcs.	220 g
43.434	43.434B	G3/4" F	R3/4" M	19	75	80	48	54	52	36	10 pcs.	780 g
43.435	43.435B	G1" F	R1" M	25	85	90	55	60	60	41	10 pcs.	1070 g
43.436	43.436B	G3/8" F	R1/2" M	9	45	53	29	38	32	22	25 pcs.	220 g
43.437	43.437B	G1/2" F	R3/8" M	9	50	49	34	34	32	22	25 pcs.	220 g

### WDEI (Operating range 50-400 bar)

Part No.	Box Part No.	G1 (F)	G2	NW	L1	L2	L3	L4	D1	SW	Box	Weight
43.421	43.421B	G1/4" F	G1/4" F	7	45	46	29	31	32	22	25 pcs.	250 g
43.422	43.422B	G3/8" F	G3/8" F	9	45	47	29	32	32	22	25 pcs.	220 g
43.423	43.423B	G1/2" F	G1/2" F	11	50	50	34	35	32	24	25 pcs.	200 g
43.424*	43.424B*	G3/4" F	G3/4" F	19	75	70	48	44	52	36	10 pcs.	840 g
43.425*	43.425B*	G1" F	G1" F	25	85	78	55	48	60	41	10 pcs.	1120 g

\* 200 bar

### WDEI low Pressure (Operating range up to 50 bar)

Part No.	Box Part No.	G1 (F)	G2	NW	L1	L2	L3	L4	D1	SW	Box	Weight
43.441	43.441B	G1/4" F	G1/4" F	7	45	46	29	31	32	22	25 pcs.	250 g
43.442	43.442B	G3/8" F	G3/8" F	9	45	47	29	32	32	22	25 pcs.	220 g
43.443	43.443B	G1/2" F	G1/2" F	11	50	50	34	35	32	24	25 pcs.	200 g
43.444	43.444B	G3/4" F	G3/4" F	19	75	70	48	44	52	36	10 pcs.	840 g
43.445	43.445B	G1" F	G1" F	25	85	78	55	48	60	41	10 pcs.	1120 g

43.922	Seal kit NW 7-11	43.934	Seal kit LP NW 7-11
43.930	Seal kit NW 19	43.935	Seal kit LP NW 19
43.931	Seal kit NW 25	43.936	Seal kit LP NW 25



Example of an OEM-box which includes 25 swivels.

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Friction bearing
- ✓ Stainless steel
- ✓ Maintenance free

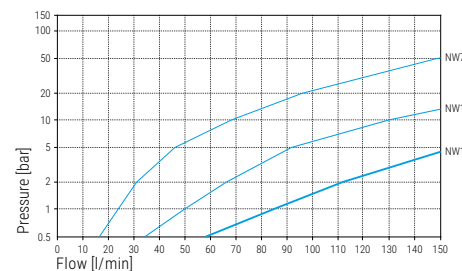
## Application

Ceiling booms, high pressure hose reels, high pressure cleaners

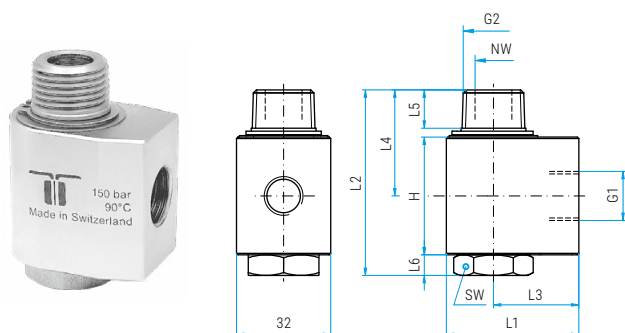
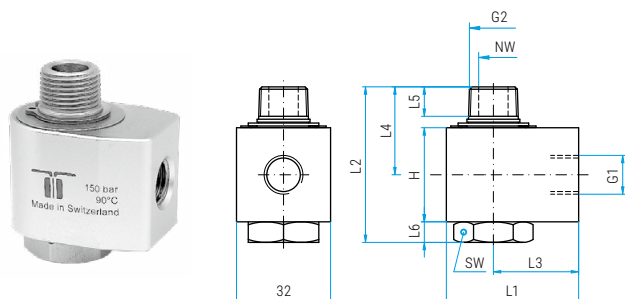
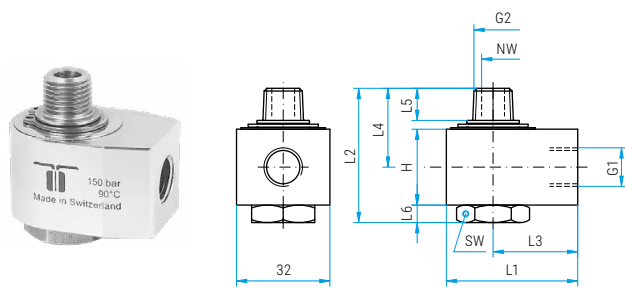
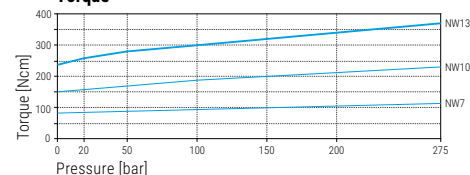
### TECHNICAL DATA

<b>Pressure</b>	150 bar (15 MPa) 275 bar* (27.5 MPa)
<b>Temperature</b>	90°C / 120°C*
<b>RPM</b>	max. 30 rpm
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR / Support ring (optional: EPDM or FKM)
<b>Bearing</b>	sliding bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow



### Torque



### WDG

Part No.	G1 (F)	G2 (M conical)	NW	H	L1	L2	L3	L4	L5	L6	SW	Weight
<b>40.001</b>	G1/4" F	R1/4" M	7	26	45	46	29	27	9	6	22	290 g
<b>40.003</b>	G1/4" F	R3/8" M	7	26	45	46	29	27	9	6	22	290 g
<b>40.011</b>	G3/8" F	R1/4" M	7	26	45	46	29	27	9	6	22	270 g
<b>40.013</b>	G3/8" F	R3/8" M	7	26	45	46	29	27	9	6	22	280 g

Part No.	G1 (F)	G2 (M cylindric)	NW	H	L1	L2	L3	L4	L5	L6	SW	Weight
<b>40.002</b>	G1/4" F	G1/4" M	7	26	45	46	29	27	11	6	22	280 g
<b>40.009*</b>	G1/4" F	G1/4" M	7	26	45	46	29	27	11	6	22	270 g
<b>40.012</b>	G3/8" F	G1/4" M	7	26	45	46	29	27	11	6	22	270 g

\* 275 bar / 120°C / without snap ring, for Mosmatic ceiling boom

Part No.	G1 (F)	G2 (M conical)	NW	H	L1	L2	L3	L4	L5	L6	SW	Weight
<b>40.101</b>	G1/4" F	R3/8" M	10	32	45	53	29	30	9	7	24	340 g
<b>40.111</b>	G3/8" F	R3/8" M	10	32	45	53	29	30	9	7	24	320 g

Part No.	G1 (F)	G2 (M cylindric)	NW	H	L1	L2	L3	L4	L5	L6	SW	Weight
<b>40.102</b>	G1/4" F	G3/8" M	10	32	45	53	29	30	11	7	24	330 g
<b>40.112</b>	G3/8" F	G3/8" M	10	32	45	53	29	30	11	7	24	320 g

Part No.	G1 (F)	G2 (M conical)	NW	H	L1	L2	L3	L4	L5	L6	SW	Weight
<b>40.201</b>	G3/8" F	R1/2" M	13	40	45	63	29	36	11	7	24	350 g
<b>40.211</b>	G1/2" F	R1/2" M	13	40	45	63	29	36	11	7	24	380 g

**40.502** Seal kit NW 7

**40.503** Seal kit NW 10+13

### Legend

M.. = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Slide or dual bearing systems
- ✓ Stainless steel
- ✓ Maintenance free

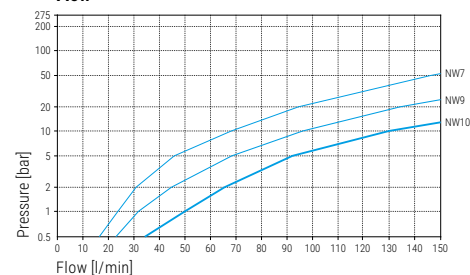
## Application

Ceiling boom, high pressure hose reels, high pressure cleaner

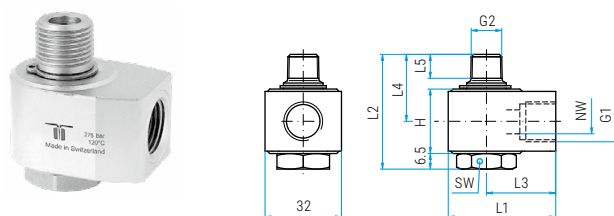
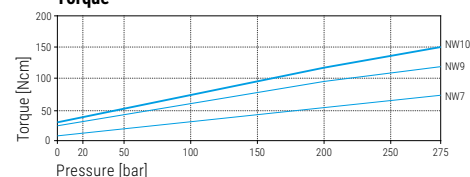
### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	see chart (max. RPM)
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	WDB: sliding bearing WDBL: 2x radial ball bearings WDBS: 2x radial ball bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow



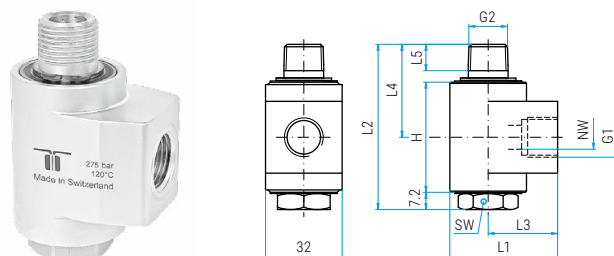
### Torque



### WDB

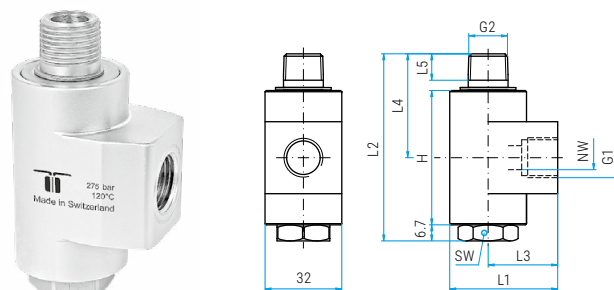
Part No.	G1 (F)	G2 (M)	NW	H	L1	L2	L3	L4	L5	SW	max. RPM	Weight
<b>43.201</b>	G1/4" F	R1/4" M	7	27	45	48	29	28	10	22	30	280 g
<b>43.202</b>	G3/8" F	R3/8" M	9	27	45	49	29	29	11	22	30	260 g
<b>43.209*</b>	G1/4" F	G1/4" M	7	27	45	45	29	25	11	22	30	270 g

\* without snap ring, for Mosmatic ceiling boom



### WDBL (with radial ball bearings)

Part No.	G1 (F)	G2 (M)	NW	H	L1	L2	L3	L4	L5	SW	max. RPM	Weight
<b>43.212</b>	G3/8" F	R3/8" M	10	46	45	69	29	39	11	22	200	440 g



### WDBS (with radial ball bearings and protection plate)

Part No.	G1 (F)	G2 (M)	NW	H	L1	L2	L3	L4	L5	SW	max. RPM	Weight
<b>43.222</b>	G3/8" F	R3/8" M	10	56	45	78	29	44	11	22	200	520 g

<b>43.904</b>	Seal kit
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### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

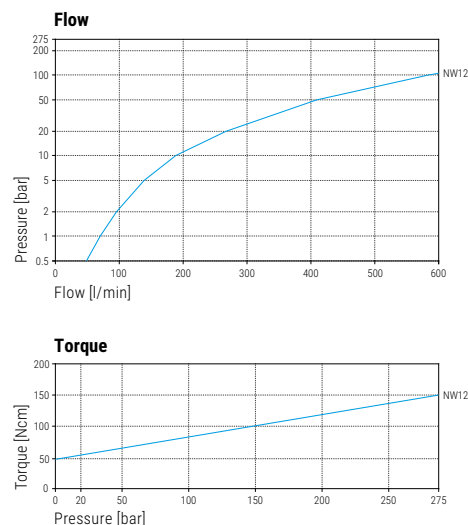
- ✓ Slide or dual bearing systems
- ✓ Stainless steel
- ✓ Maintenance free

## Application

High pressure hose reels, ceiling booms, high pressure cleaners

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	see chart (max. RPM)
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	WDC: sliding bearing WDCL: 2x radial ball bearings WDCS: 2x radial ball bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### WDC

Part No.	G1 (F)	G2	NW	H	L1	L2	L3	L4	L5	SW	max. RPM	Weight
<b>43.303</b>	G1/2" F	R1/2" M	12	34	45	64	29	44	15	22	30	320 g
<b>43.304</b>	G1/2" F	G1/2" F	12	34	45	64	29	44	15	27	30	330 g

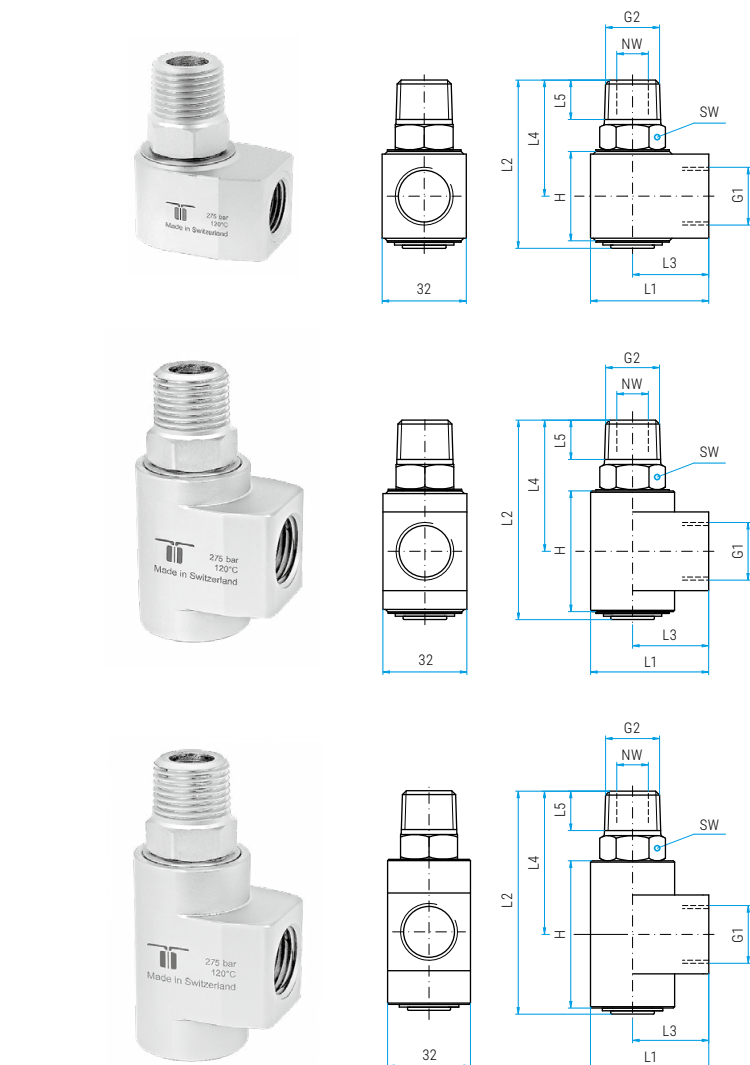
### WDCL (with radial ball bearings)

Part No.	G1 (F)	G2	NW	H	L1	L2	L3	L4	L5	SW	max. RPM	Weight
<b>43.313</b>	G1/2" F	R1/2" M	12	46	45	76	29	50	15	22	200	430 g
<b>43.314</b>	G1/2" F	G1/2" F	12	46	45	76	29	50	15	27	200	440 g

### WDCS (with radial ball bearings and protection plate)

Part No.	G1 (F)	G2	NW	H	L1	L2	L3	L4	L5	SW	max. RPM	Weight
<b>43.323</b>	G1/2" F	R1/2" M	12	56	45	85	29	55	15	22	200	450 g
<b>43.324</b>	G1/2" F	G1/2" F	12	56	45	85	29	55	15	27	200	460 g

**43.904** Seal kit



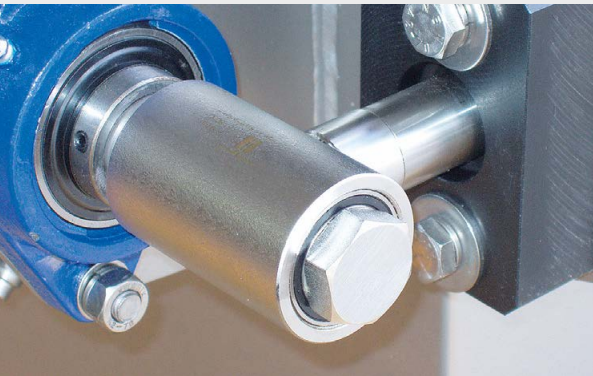
#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Dual bearing system
- ✓ Complete stainless steel construction
- ✓ Rugged design
- ✓ Maintenance free

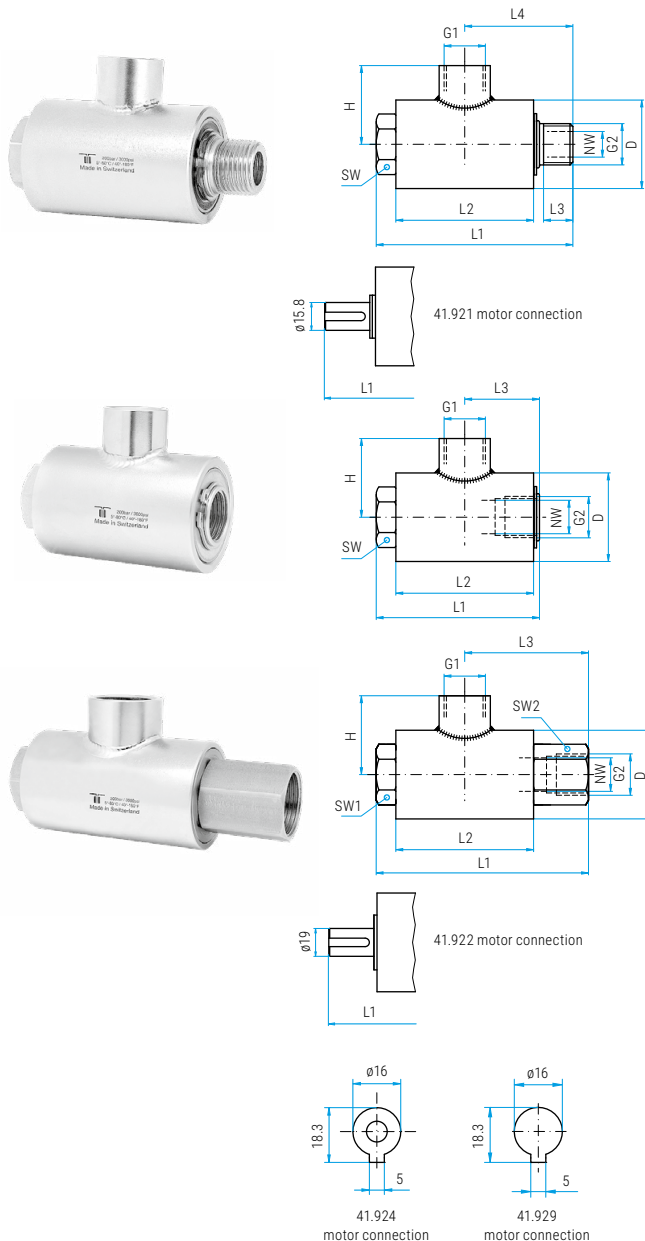
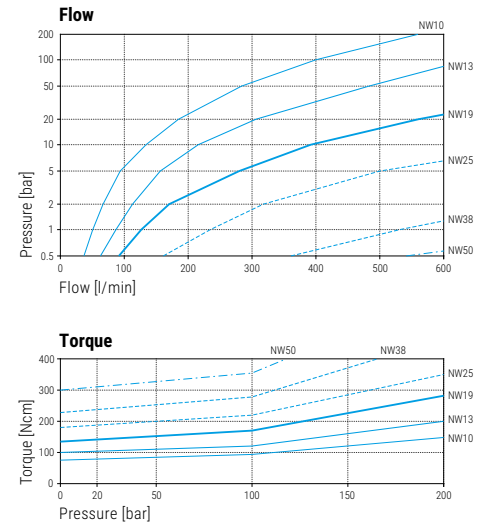


## Application

Automatic car wash, industrial application, high pressure hose reels, high flow

### TECHNICAL DATA

<b>Pressure</b>	10-200 bar (1-20 MPa)
<b>Temperature</b>	5°C - 80°C
<b>RPM</b>	see chart (max. RPM)
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	2x radial ball bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### WDRS (no front to back forces allowed)

Part No.	G1 (F)	G2 (M)	NW	SW	H	L1	L2	L3	L4	D	max. RPM	Weight
41.111	G3/8" F	R3/8" M	10	27	37	105	80	11	56	45	150	920 g
41.211	G1/2" F	R1/2" M	13	27	40	110	80	15	60	45	150	920 g
41.311	G3/4" F	R3/4" M	19	32	43	122	90	16	67	50	130	1160 g
41.411	G1" F	R1" M	25	36	48	136	100	18	74	56	110	1600 g
41.511	G1½" F	R1½" M	38	55	60	150	110	20	83	71	76	2700 g
41.611	G2" F	R2" M	50	70	70	180	134	22	97	90	60	4900 g

### WDRS (with motor connection)

Part No.	G1 (F)	G2 (M)	NW	SW	H	L1	L2	L3	L4	D	max. RPM	Weight
41.920	1/2" NPTF	1/2" NPTM	13	27	40	155	70	15	84	45	150	940 g
41.921	1/2" NPTF	1/2" NPTM	13	19	40	155	80	15	84	45	150	1010 g

### WDRS (no front to back forces allowed)

Part No.	G1 (F)	G2 (F)	NW	SW	H	L1	L2	L3	D	max. RPM	Weight
41.212	G1/2" F	G1/2" F	13	27	40	93	80	43	45	150	880 g

### WDRS (no front to back forces allowed)

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	H	L1	L2	L3	D	max. RPM	Weight
41.312	G3/4" F	G3/4" F	19	32	32	43	140	90	85	50	130	1270 g
41.412	G1" F	G1" F	25	36	36	48	157	100	95	56	110	1610 g
41.512	G1½" F	G1½" F	38	55	55	60	172	110	105	71	76	2870 g
41.612	G2" F	G2" F	50	70	70	70	204	134	121	90	60	5400 g

### WDRS (with motor connection)

Part No.	G1 (F)	G2 (F)	NW	SW2	H	L1	L2	L3	D	max. RPM	Weight
41.922	3/4" NPTF	3/4" NPTF	19	32	43	162	90	78	50	130	1280 g

### WDRS (with motor connection, 1x radial ball bearing)

Part No.	IN	OUT	NW	max. RPM	Weight
40.924	G3/8" F	3x G1/4" F	9	130	3000 g
40.929	G3/8" F	2x 1/8" NPTF / 1x G1/4" F	9	130	3200 g

41.912	Seal kit NW 13
41.913	Seal kit NW 19
41.914	Seal kit NW 25
41.915	Seal kit NW 38
41.916	Seal kit NW 50

41.930	Repair kit NW 10 + 13
41.931	Repair kit NW 19
41.932	Repair kit NW 25
41.933	Repair kit NW 38
41.934	Repair kit NW 50

Repair kit includes seal and bearing set.

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ High speed triple bearing system
- ✓ Corrosion resistant
- ✓ Solid construction
- ✓ Long service life
- ✓ Maintenance free

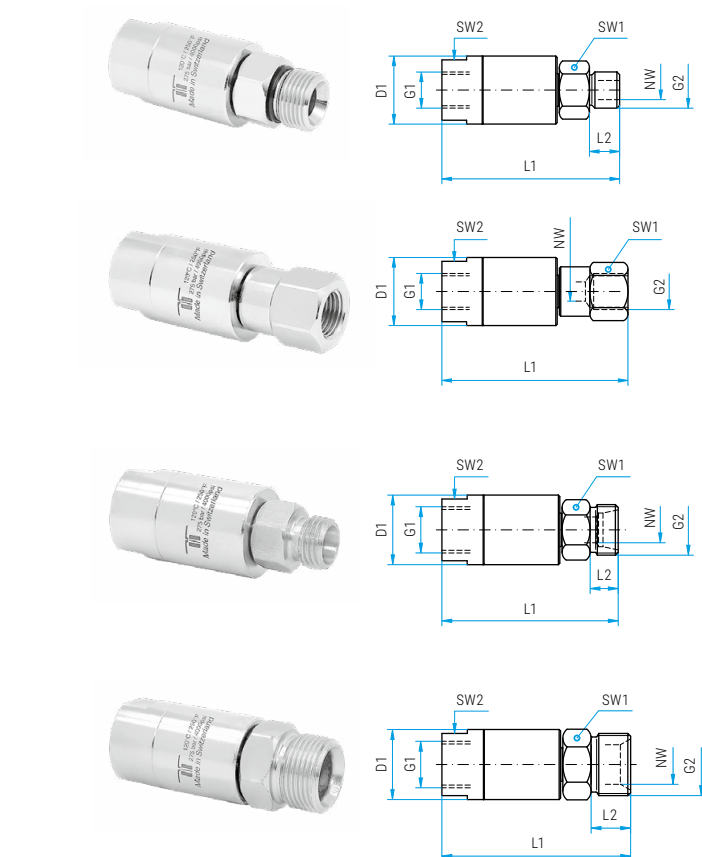
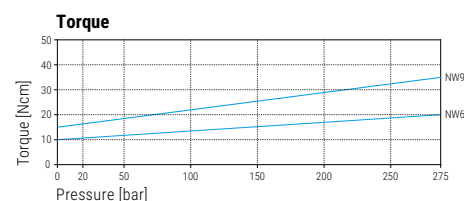
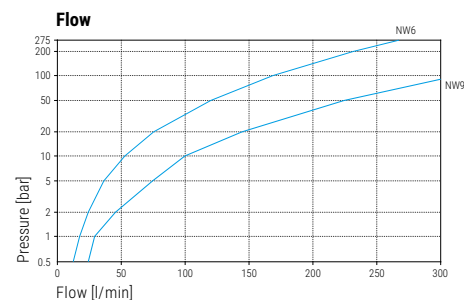


## Application

Thrust and radial forces, high flow, automatic car wash systems, high pressure hose reels

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	30°C (at 1'000 rpm) 120°C (at 30 rpm)
<b>RPM</b>	max. 1'000 rpm
<b>Body</b>	DGL: brass, nickel plated DGLI: stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DGL DGLI

Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	D1	Weight
<b>31.001</b>	<b>31.904</b>	G1/4" F	G1/4" M	6	19	22	65	11	25	170 g
<b>31.003</b>	<b>31.913</b>	G1/4" F	G3/8" M	6	19	22	66	12	25	170 g
<b>31.101</b>	<b>31.914</b>	G3/8" F	G1/4" M	6	19	22	65	11	25	160 g
<b>31.103</b>	<b>31.906</b>	G3/8" F	G3/8" M	6	19	22	66	12	25	160 g
<b>31.603</b>	<b>31.939</b>	G3/8" F	G3/8" M	9	19	22	67	12	25	150 g

Part No.	Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	D1	Weight
<b>31.002</b>	<b>31.907</b>	G1/4" F	G1/4" F	6	19	22	68	25	180 g
<b>31.004</b>	<b>31.928</b>	G1/4" F	G3/8" F	6	22	22	69	25	190 g
<b>31.102</b>	<b>31.932</b>	G3/8" F	G1/4" F	6	19	22	68	25	170 g
<b>31.104</b>	<b>31.908</b>	G3/8" F	G3/8" F	6	22	22	69	25	180 g
<b>31.604</b>	<b>31.940</b>	G3/8" F	G3/8" F	9	22	22	70	25	160 g

Part No.	Part No.	G1 (F)	G2 (SV)	NW	SW1	SW2	L1	L2	D1	Weight
<b>31.005</b>	<b>31.929</b>	G1/4" F	M14x1.5 M	6	17	22	63	10	25	160 g
<b>31.006</b>	<b>31.930</b>	G1/4" F	M16x1.5 M	6	19	22	63	10	25	170 g
<b>31.007</b>	<b>31.912</b>	G1/4" F	M18x1.5 M	6	19	22	63	10	25	170 g
<b>31.105</b>	<b>31.933</b>	G3/8" F	M14x1.5 M	6	17	22	63	10	25	170 g
<b>31.106</b>	<b>31.934</b>	G3/8" F	M16x1.5 M	6	19	22	63	10	25	150 g
<b>31.107</b>	<b>31.935</b>	G3/8" F	M18x1.5 M	6	19	22	63	10	25	160 g
<b>31.607</b>	<b>31.941</b>	G3/8" F	M18x1.5 M	9	19	22	64	10	25	140 g

Part No.	Part No.	G1 (F)	G2 (QV)	NW	SW1	SW2	L1	L2	D1	Weight
<b>31.008</b>	<b>31.931</b>	G1/4" F	M21x1.5 M	6	22	22	67	14	25	180 g
<b>31.009</b>	<b>31.911</b>	G1/4" F	M22x1.5 M	6	22	22	67	14	25	190 g
<b>31.108</b>	<b>31.936</b>	G3/8" F	M21x1.5 M	6	22	22	67	14	25	170 g
<b>31.109</b>	<b>31.937</b>	G3/8" F	M22x1.5 M	6	22	22	67	14	25	180 g

<b>33.910</b>	Seal kit NW 6
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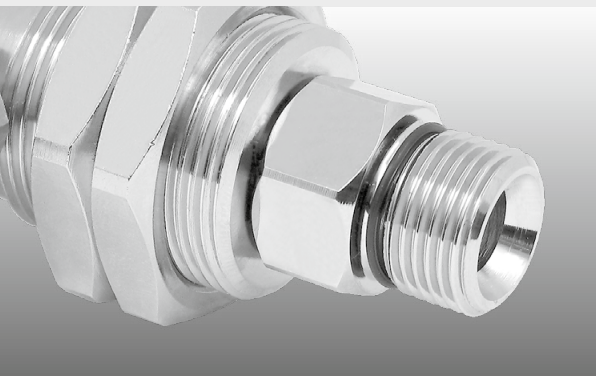
#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ High speed, triple bearing system
- ✓ Bulkhead fitting for mounting
- ✓ Corrosion resistant
- ✓ Highest quality and precision
- ✓ Maintenance free

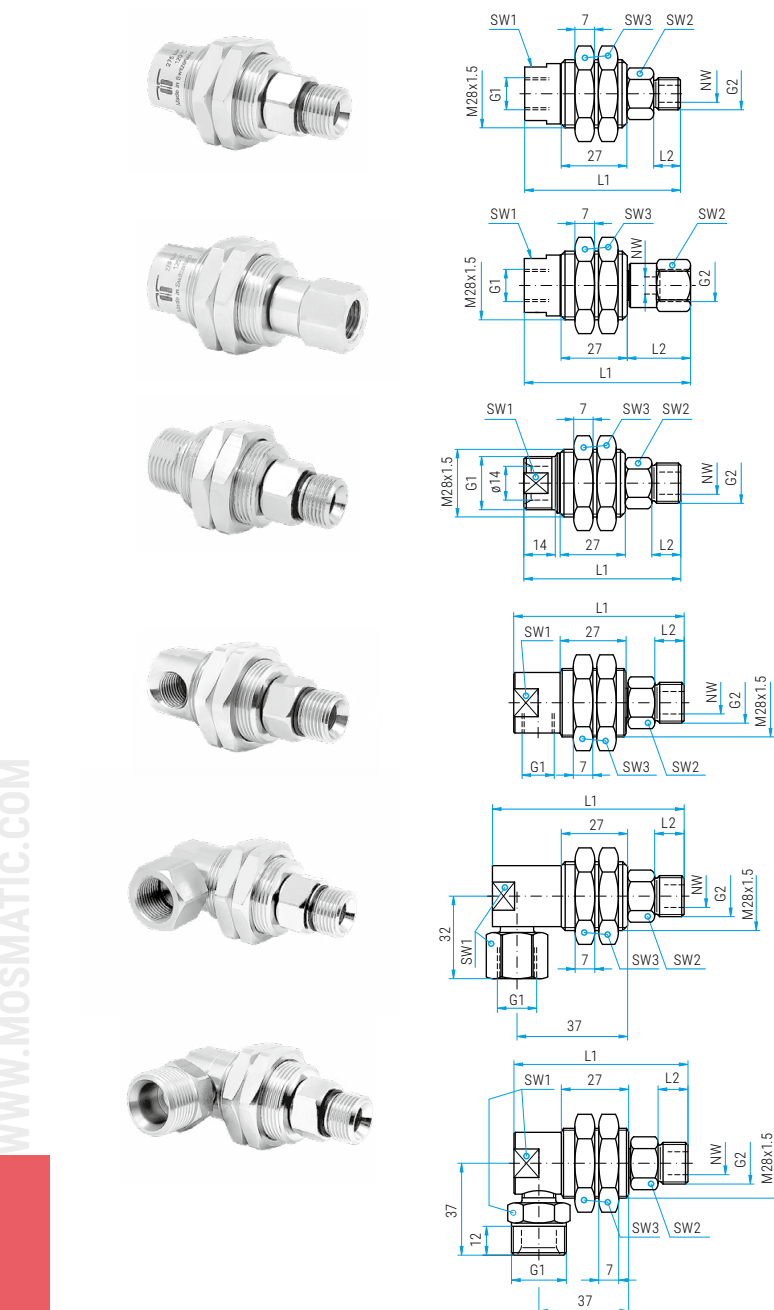
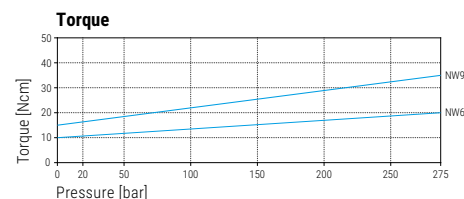
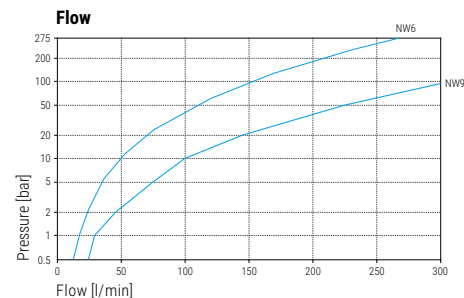


## Application

High pressure cleaning technology, parts washers, tire cleaners, self rotating applications

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	30°C (at 1'000 rpm) 120°C (at 30 rpm) max. 1'000 rpm
<b>RPM</b>	
<b>Body</b>	DGG: brass, nickel plated DGGI: stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>33.001</b>	<b>33.916</b>	G1/4" F	G1/4" M	6	22	19	34*	65	11	220 g
<b>33.003</b>	<b>33.917</b>	G1/4" F	G3/8" M	6	22	19	34*	66	12	250 g
<b>33.101</b>	<b>33.919</b>	G3/8" F	G1/4" M	6	22	19	34*	65	11	230 g
<b>33.103</b>	<b>33.904</b>	G3/8" F	G3/8" M	6	22	19	34*	66	12	240 g
<b>33.603</b>	<b>33.922</b>	G3/8" F	G3/8" M	9	22	19	34*	67	12	230 g

\* at DGGI: 36mm

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>33.002</b>	G1/4" F	G1/4" F	6	22	19	34	68	26	230 g
<b>33.004</b>	G1/4" F	G3/8" F	6	22	22	34	69	27	230 g
<b>33.102</b>	G3/8" F	G1/4" F	6	22	19	34	68	26	230 g
<b>33.104</b>	G3/8" F	G3/8" F	6	22	22	34	69	27	260 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>33.201</b>	M21x1.5 M	G1/4" M	6	19	19	34	65	11	220 g
<b>33.203</b>	M21x1.5 M	G3/8" M	6	19	19	34	66	12	230 g
<b>33.251</b>	M22x1.5 M	G1/4" M	6	20	19	34	65	11	200 g
<b>33.253</b>	M22x1.5 M	G3/8" M	6	20	19	34	66	12	210 g

Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>33.301</b>	<b>33.921</b>	G1/4" F	G1/4" M	6	22	19	34*	70	11	220 g
<b>33.303</b>	<b>33.906</b>	G1/4" F	G3/8" M	6	22	19	34*	71	12	240 g

\* at DGGI: 36mm

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>33.401</b>	G3/8" F	G1/4" M	6	22	19	34	70	11	290 g
<b>33.403</b>	G3/8" F	G3/8" M	6	22	19	34	71	12	310 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>33.503</b>	M21x1.5 M	G3/8" M	6	22	19	34	71	12	290 g
<b>33.553</b>	M22x1.5 M	G3/8" M	6	22	19	34	71	12	330 g

<b>33.910</b>	Seal kit NW 6
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### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

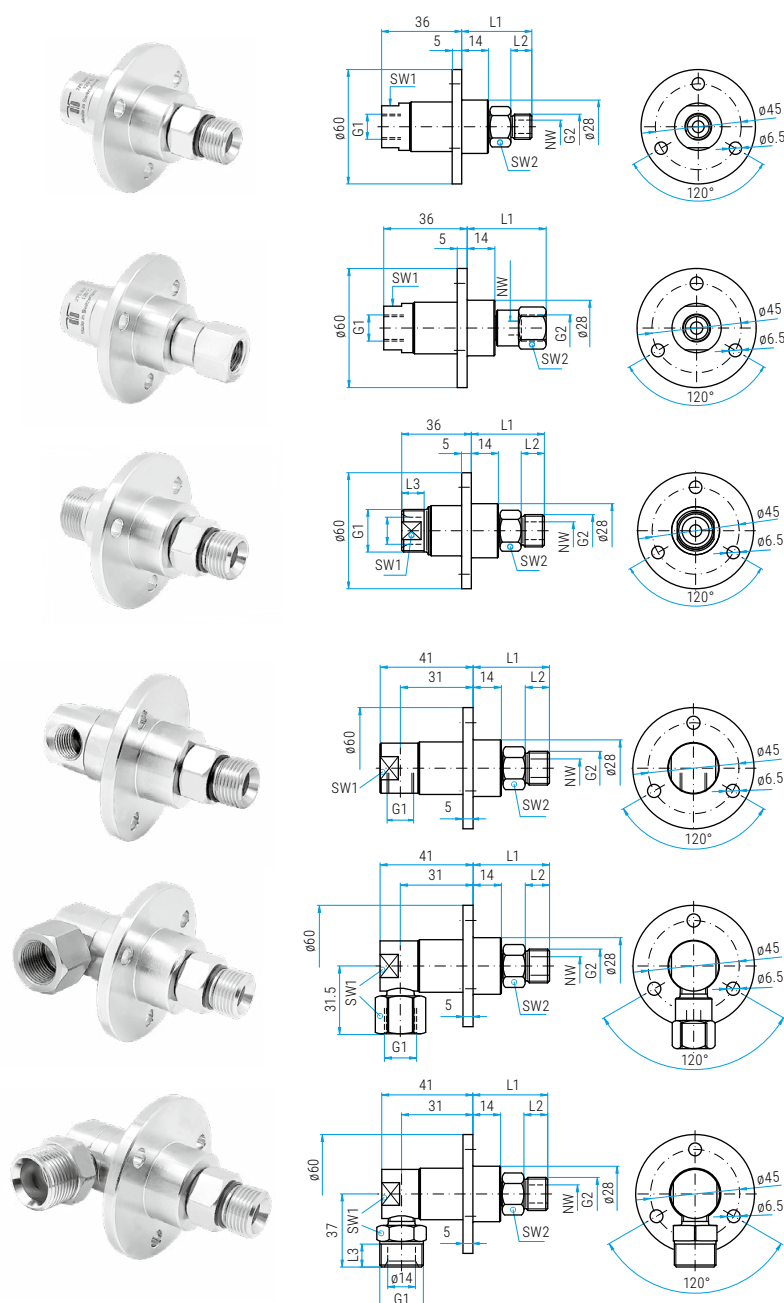
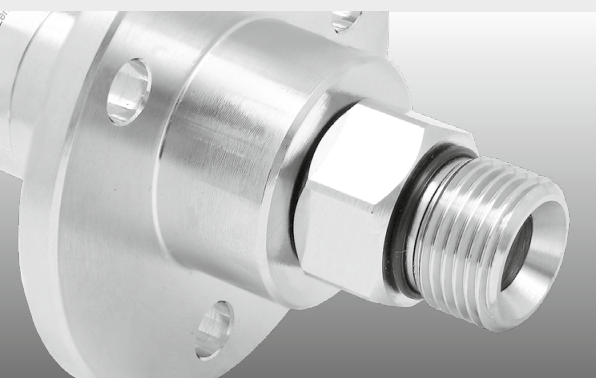
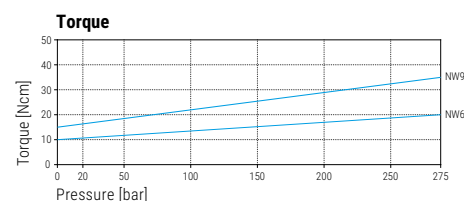
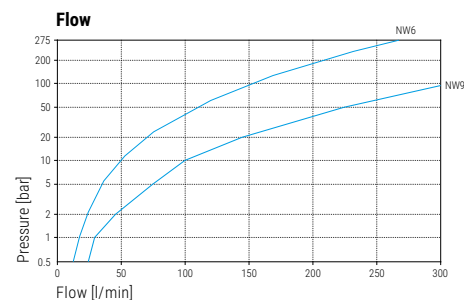
- ✓ High speed, triple bearing system
- ✓ Flange for easy installation
- ✓ Maintenance free
- ✓ Highest precision and quality

## Application

High pressure cleaning technology, parts washers, tire cleaners, self rotating applications

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	30°C (at 1'000 rpm) 120°C (at 30 rpm)
<b>RPM</b>	max. 1'000 rpm
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DGF

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>35.001</b>	G1/4" F	G1/4" M	6	22	19	37	11	290 g
<b>35.003</b>	G1/4" F	G3/8" M	6	22	19	38	12	300 g
<b>35.101</b>	G3/8" F	G1/4" M	6	22	19	37	11	310 g
<b>35.103</b>	G3/8" F	G3/8" M	6	22	19	38	12	290 g
<b>35.603</b>	G3/8" F	G3/8" M	9	22	19	38	12	320 g

Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	Weight
<b>35.002</b>	G1/4" F	G1/4" F	6	22	19	40	310 g
<b>35.004</b>	G1/4" F	G3/8" F	6	22	22	41	310 g
<b>35.102</b>	G3/8" F	G1/4" F	6	22	19	40	310 g
<b>35.104</b>	G3/8" F	G3/8" F	6	22	22	41	310 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
<b>35.201</b>	M21x1.5 M	G1/4" M	6	19	19	37	11	12	300 g
<b>35.203</b>	M21x1.5 M	G3/8" M	6	19	19	38	12	12	310 g
<b>35.251</b>	M22x1.5 M	G1/4" M	6	20	19	37	11	12	340 g
<b>35.253</b>	M22x1.5 M	G3/8" M	6	20	19	38	12	12	350 g

### DGF 90°

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>35.301</b>	G1/4" F	G1/4" M	6	22	19	37	11	350 g
<b>35.303</b>	G1/4" F	G3/8" M	6	22	19	38	12	360 g

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>35.401</b>	G3/8" F	G1/4" M	6	22	19	37	11	410 g
<b>35.403</b>	G3/8" F	G3/8" M	6	22	19	38	12	410 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
<b>35.503</b>	M21x1.5 M	G3/8" M	6	22	19	38	12	12	410 g
<b>35.553</b>	M22x1.5 M	G3/8" M	6	22	19	38	12	12	410 g

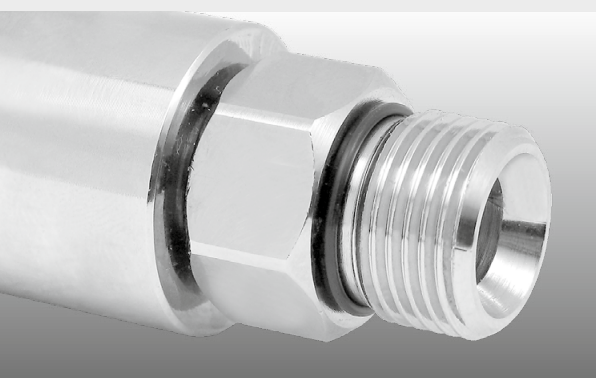
#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ High speed, triple bearing systems
- ✓ Seal failure warning, through weep holes
- ✓ Stainless steel
- ✓ Maintenance free

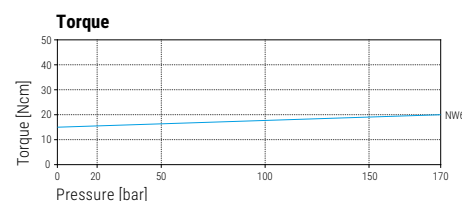
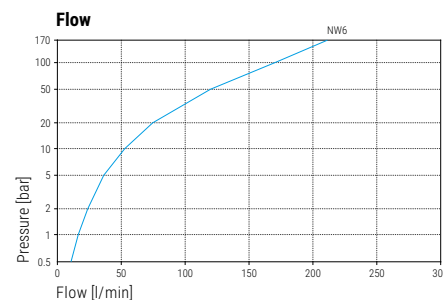


## Application

High pressure cleaning technology, parts washers, tire cleaners, high rpm

### TECHNICAL DATA

<b>Pressure</b>	170 bar (17 MPa)
<b>Temperature</b>	5°C - 120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	DXL: brass, nickel plated DXL: stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	ceramic
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>36.001</b>	<b>36.011</b>	G1/4" F	G1/4" M	6	22	19	79	11	190 g
<b>36.003</b>	<b>36.013</b>	G1/4" F	G3/8" M	6	22	19	80	12	200 g
<b>36.101</b>	<b>36.111</b>	G3/8" F	G1/4" M	6	22	19	79	11	180 g
<b>36.103</b>	<b>36.113</b>	G3/8" F	G3/8" M	6	22	19	80	12	190 g

Part No.	Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	Weight
<b>36.002</b>	<b>36.012</b>	G1/4" F	G1/4" F	6	22	19	82	210 g
<b>36.004</b>	<b>36.014</b>	G1/4" F	G3/8" F	6	22	22	83	220 g
<b>36.102</b>	<b>36.112</b>	G3/8" F	G1/4" F	6	22	19	82	190 g
<b>36.104</b>	<b>36.114</b>	G3/8" F	G3/8" F	6	22	22	83	210 g

Part No.	G1 (QV)	G2 (M)	NW	SW2	L1	L2	Weight
<b>36.201</b>	M21x1.5 M	G1/4" M	6	19	79	11	190 g
<b>36.203</b>	M21x1.5 M	G3/8" M	6	19	80	12	200 g
<b>36.251</b>	M22x1.5 M	G1/4" M	6	19	79	11	180 g
<b>36.253</b>	M22x1.5 M	G3/8" M	6	19	80	12	190 g

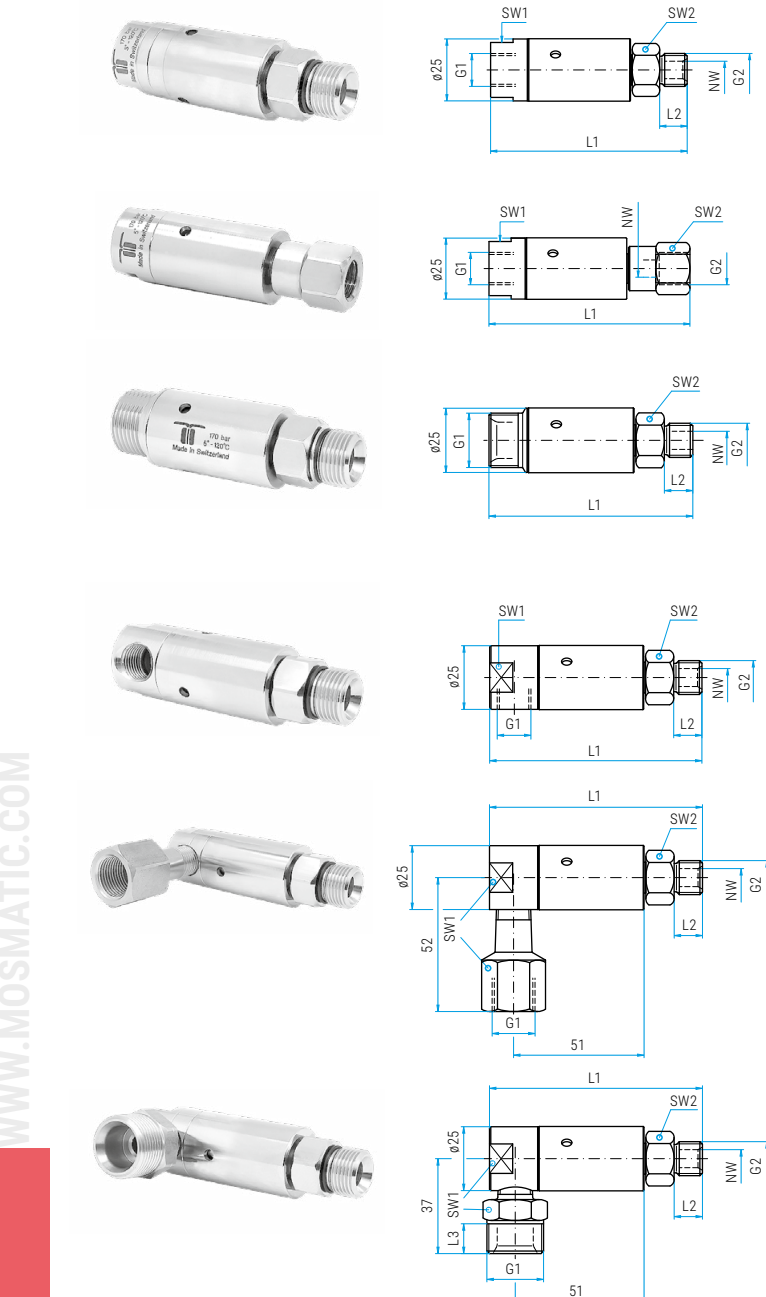
### DXL 90°

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>36.301</b>	G1/4" F	G1/4" M	6	22	19	84	11	200 g
<b>36.303</b>	G1/4" F	G3/8" M	6	22	19	85	12	200 g

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>36.401</b>	G3/8" F	G1/4" M	6	22	19	84	11	250 g
<b>36.403</b>	G3/8" F	G3/8" M	6	22	19	85	12	240 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>36.503</b>	M21x1.5 M	G3/8" M	6	22	19	85	12	240 g
<b>36.553</b>	M22x1.5 M	G3/8" M	6	22	19	85	12	250 g

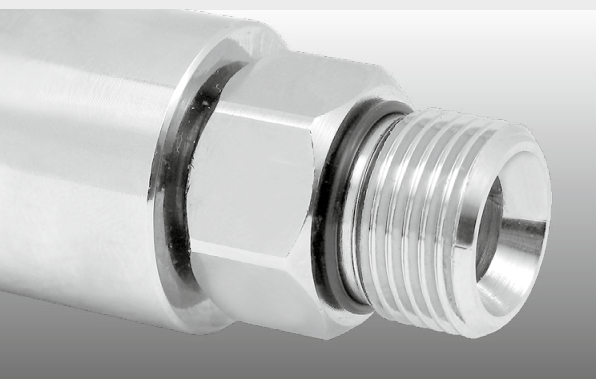
<b>36.901</b>	Seal kit NW 6
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### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ For Steam
- ✓ High speed, triple bearing systems
- ✓ Flange for easy installation
- ✓ Seal failure warning through weep holes

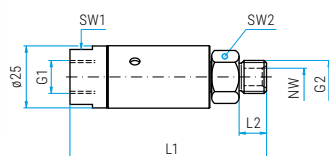
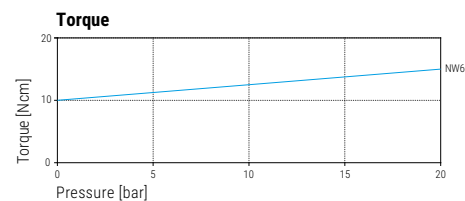


## Application

Steam cleaner, self rotating applications

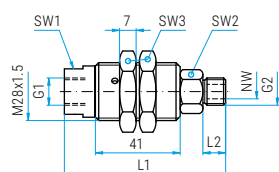
### TECHNICAL DATA

<b>Pressure</b>	20 bar (2 MPa)
<b>Temperature</b>	180°C
<b>RPM</b>	max. 1'000 rpm
<b>Body</b>	brass, nickel plated
<b>Inner part</b>	stainless steel
<b>Seal</b>	ceramic
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearings
<b>Throughput medium</b>	Steam pH 3 - 12



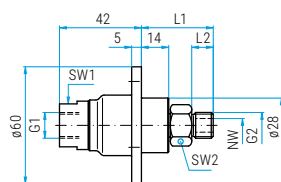
### DXLS

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>36.043</b>	G1/4" F	G3/8" M	6	22	19	80	12	200 g
<b>36.143</b>	G3/8" F	G3/8" M	6	22	19	80	12	210 g



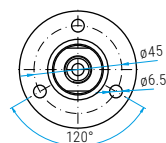
### DXGS

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>37.043</b>	G1/4" F	G3/8" M	6	22	19	34	80	12	290 g
<b>37.143</b>	G3/8" F	G3/8" M	6	22	19	34	80	12	220 g



### DXFS

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>38.043</b>	G1/4" F	G3/8" M	6	22	19	38	12	330 g
<b>38.143</b>	G3/8" F	G3/8" M	6	22	19	38	12	350 g

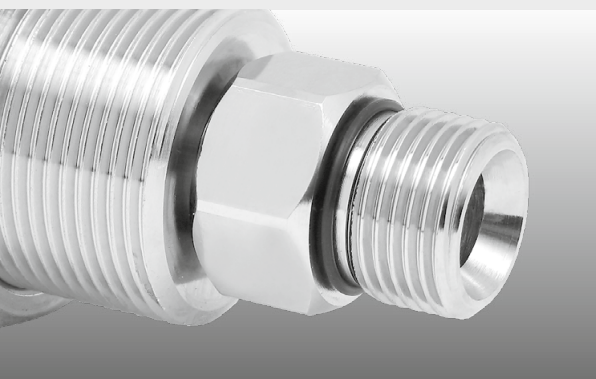


<b>36.913</b>	NW 6 Seal kit
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#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ High speed, triple bearing systems
- ✓ Bulkhead fitting for mounting
- ✓ Corrosion resistant
- ✓ Highest quality and precision
- ✓ Maintenance free

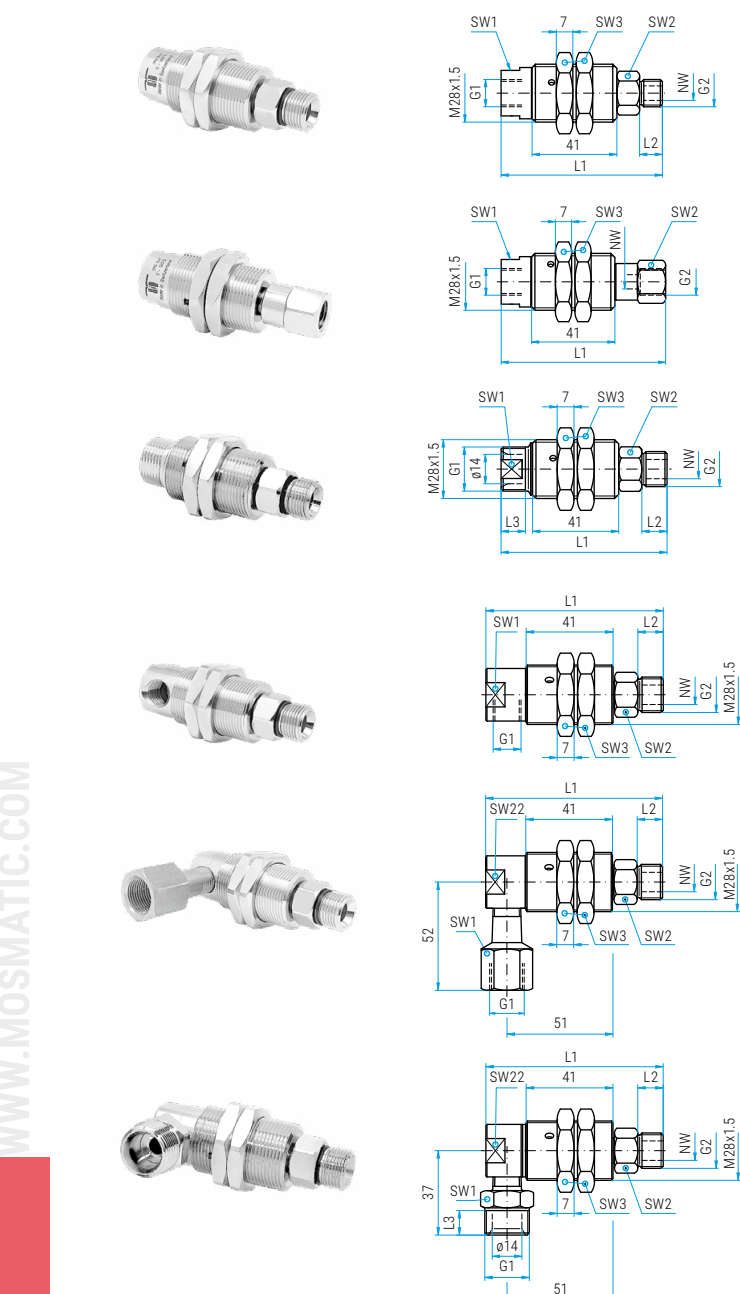
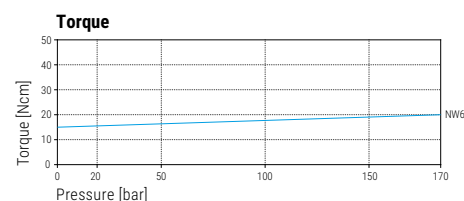
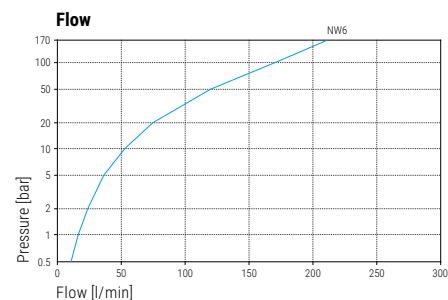


## Application

Surface cleaners, parts washers, tire cleaners, high rpm, self rotating applications

### TECHNICAL DATA

<b>Pressure</b>	170 bar (17 MPa)
<b>Temperature</b>	5°C - 120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	DXG: brass, nickel plated DXGI: stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	ceramic
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DXG DXGI

Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>37.001</b>	<b>37.011</b>	G1/4" F	G1/4" M	6	22	19	34*	79	11	280 g
<b>37.003</b>	<b>37.013</b>	G1/4" F	G3/8" M	6	22	19	34*	80	12	290 g
<b>37.101</b>	<b>37.111</b>	G3/8" F	G1/4" M	6	22	19	34*	79	11	270 g
<b>37.103</b>	<b>37.113</b>	G3/8" F	G3/8" M	6	22	19	34*	80	12	280 g

Part No.	Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	SW3	L1	Weight
<b>37.002</b>	<b>37.012</b>	G1/4" F	G1/4" F	6	22	19	34*	82	220 g
<b>37.004</b>	<b>37.014</b>	G1/4" F	G3/8" F	6	22	22	34*	83	220 g
<b>37.102</b>	<b>37.112</b>	G3/8" F	G1/4" F	6	22	19	34*	82	210 g
<b>37.104</b>	<b>37.114</b>	G3/8" F	G3/8" F	6	22	22	34*	83	210 g

\* at DXGI: 36mm

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	L3	Weight
<b>37.201</b>	M21x1.5 M	G1/4" M	6	19	19	34	79	11	12	240 g
<b>37.203</b>	M21x1.5 M	G3/8" M	6	19	19	34	80	12	12	270 g
<b>37.251</b>	M22x1.5 M	G1/4" M	6	20	19	34	79	11	12	230 g
<b>37.253</b>	M22x1.5 M	G3/8" M	6	20	19	34	80	12	12	260 g

### DXG 90° DXGI 90°

Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>37.301</b>	<b>37.311</b>	G1/4" F	G1/4" M	6	22	19	34*	84	11	270 g
<b>37.303</b>	<b>37.313</b>	G1/4" F	G3/8" M	6	22	19	34*	85	12	280 g

\* at DXGI: 36mm

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>37.401</b>	G3/8" F	G1/4" M	6	22	19	34	84	11	370 g
<b>37.403</b>	G3/8" F	G3/8" M	6	22	19	34	85	12	380 g

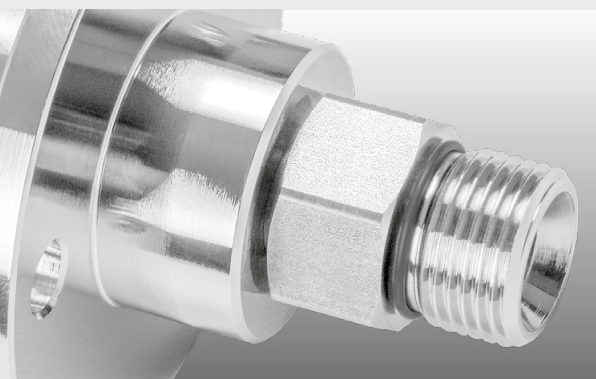
Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	L3	Weight
<b>37.503</b>	M21x1.5 M	G3/8" M	6	22	19	34	85	12	14	320 g
<b>37.553</b>	M22x1.5 M	G3/8" M	6	22	19	34	85	12	14	330 g

<b>36.901</b>	Seal kit NW 6
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#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ Flange for easy installation
- ✓ Seal failure warning, through weep holes
- ✓ Maintenance free
- ✓ Ceramic seals

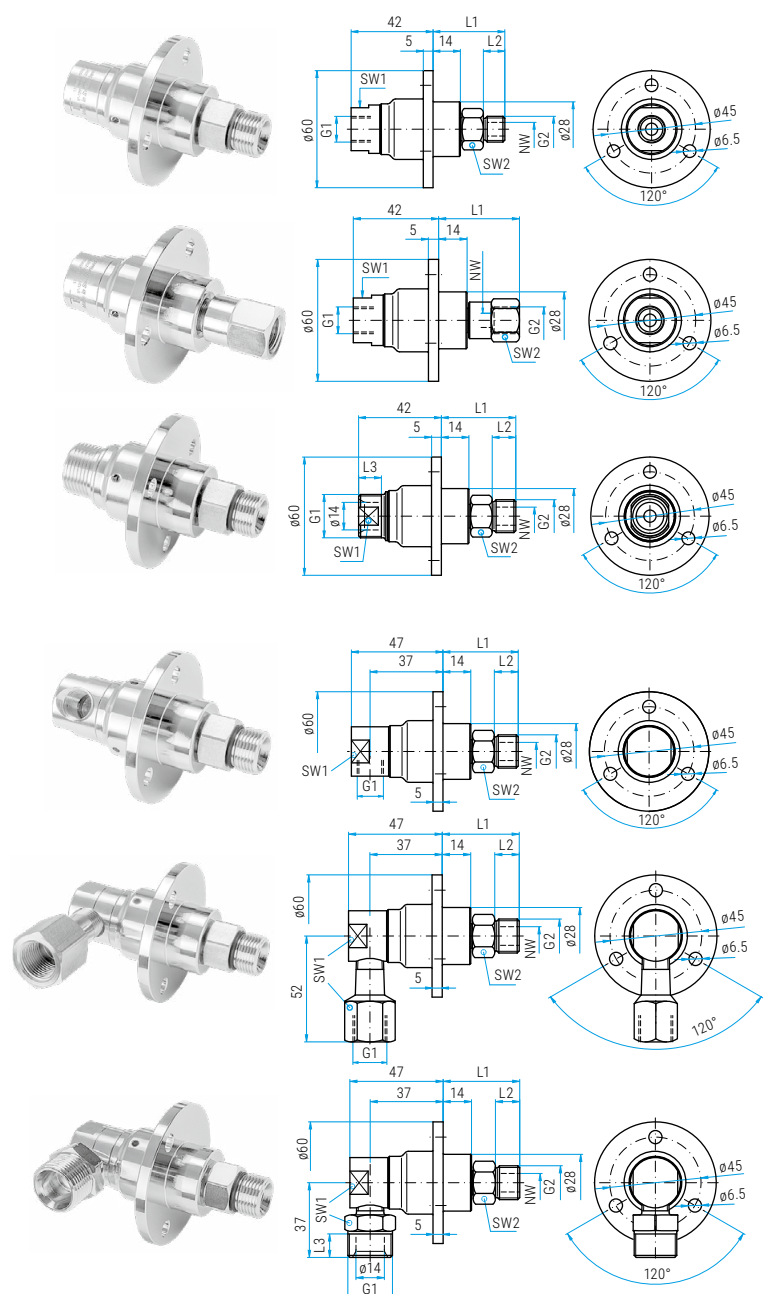
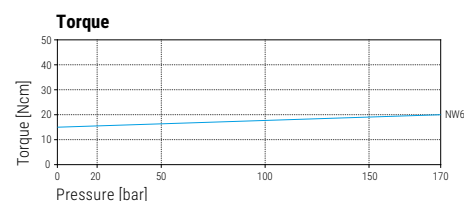
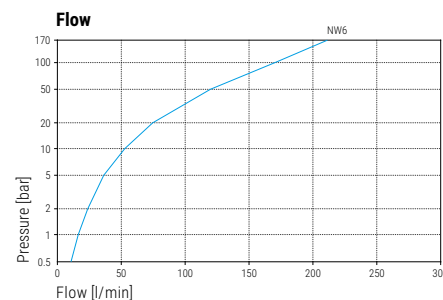


## Application

High rpm, self rotating applications, surface cleaners, parts washers, tire cleaners

### TECHNICAL DATA

<b>Pressure</b>	170 bar (17 MPa)
<b>Temperature</b>	5°C - 120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	DXF: brass, nickel plated DXFI: stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	ceramic
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DXF

### DXFI

Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>38.001</b>	<b>38.011</b>	G1/4" F	G1/4" M	6	22	19	37	11	320 g
<b>38.003</b>	<b>38.013</b>	G1/4" F	G3/8" M	6	22	19	38	12	330 g
<b>38.101</b>	<b>38.111</b>	G3/8" F	G1/4" M	6	22	19	37	11	350 g
<b>38.103</b>	<b>38.113</b>	G3/8" F	G3/8" M	6	22	19	38	12	360 g

Part No.	Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	Weight
<b>38.002</b>	<b>38.012</b>	G1/4" F	G1/4" F	6	22	19	39	340 g
<b>38.004</b>	<b>38.014</b>	G1/4" F	G3/8" F	6	22	22	41	350 g
<b>38.102</b>	<b>38.112</b>	G3/8" F	G1/4" F	6	22	19	39	320 g
<b>38.104</b>	<b>38.114</b>	G3/8" F	G3/8" F	6	22	22	41	340 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
<b>38.201</b>	M21x1.5 M	G1/4" M	6	19	19	37	11	12	330 g
<b>38.203</b>	M21x1.5 M	G3/8" M	6	19	19	38	12	12	340 g
<b>38.251</b>	M22x1.5 M	G1/4" M	6	20	19	37	11	12	340 g
<b>38.253</b>	M22x1.5 M	G3/8" M	6	20	19	38	12	12	350 g

### DXF 90° DXFI 90°

Part No.	Part No.	G1 (F)	G2	NW	SW1	SW2	L1	L2	Weight
<b>38.301</b>	<b>38.311</b>	G1/4" F	G1/4" M	6	22	19	37	11	330 g
<b>38.303</b>	<b>38.313</b>	G1/4" F	G3/8" M	6	22	19	38	12	340 g

<b>38.302</b>	<b>38.312</b>	G1/4" F	G1/4" F	6	22	19	40	-	340 g
<b>38.304</b>	<b>38.314</b>	G1/4" F	G3/8" F	6	22	19	41	-	350 g

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>38.401</b>	G3/8" F	G1/4" M	6	22	19	37	11	430 g
<b>38.403</b>	G3/8" F	G3/8" M	6	22	19	38	12	440 g

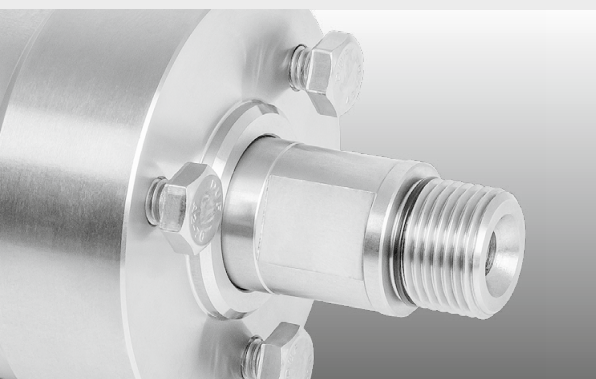
Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
<b>38.503</b>	M21x1.5 M	G3/8" M	6	22	19	38	12	12	430 g
<b>38.553</b>	M22x1.5 M	G3/8" M	6	22	19	38	12	12	430 g

<b>36.901</b>	Seal kit NW 6
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#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ Quadruple bearing system
- ✓ Highest quality and precision
- ✓ Very low torque
- ✓ Maintenance free
- ✓ Side connection for weep capture
- ✓ Complete stainless steel construction

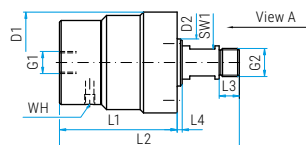
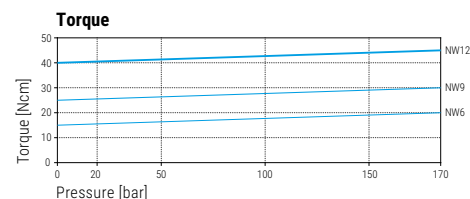
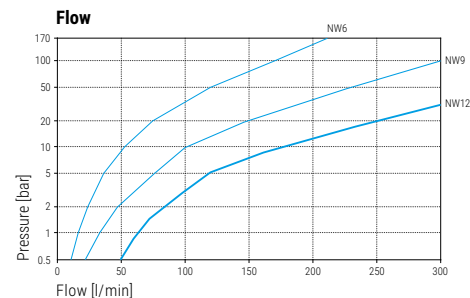


## Application

High rpm, high pressure, self rotating applications, parts washers, tire cleaners, HP cleaning technology

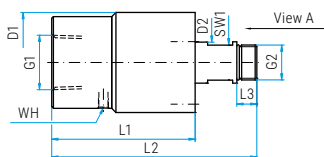
### TECHNICAL DATA

<b>Pressure</b>	170 bar (17 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	ceramic
<b>Bearing</b>	2x radial ball bearings 2x thrust ball bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DXTI

Part No.	G1 (F)	G2 (M)	NW	SW1	L1	L2	L3	D1	D2	TK	Weight
<b>39.003</b>	G1/4" F	G3/8" M	6	16	70	107	12	60	28	45	1230 g
<b>39.103</b>	G3/8" F	G3/8" M	6	16	72	109	12	60	28	45	1280 g
<b>39.603</b>	G3/8" F	G3/8" M	9	16	72	109	12	60	28	45	1280 g

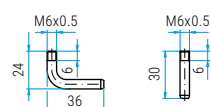


### DXTI

Part No.	G1 (F)	G2 (M)	NW	SW1	L1	L2	L3	D1	D2	TK	Weight
<b>39.805</b>	G1/2" F	G1/2" M	12	21	86	123	12	60	25	50	1670 g
<b>39.906</b>	G3/4" F	G1/2" M	12	21	86	123	12	60	25	50	1640 g
<b>39.908</b>	G1" F	G1/2" M	12	21	86	123	12	60	25	50	1580 g

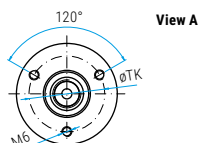
WH (weep hole)

Optional: Pipes for weep hole



Part No. 902.745

Part No. 902.765

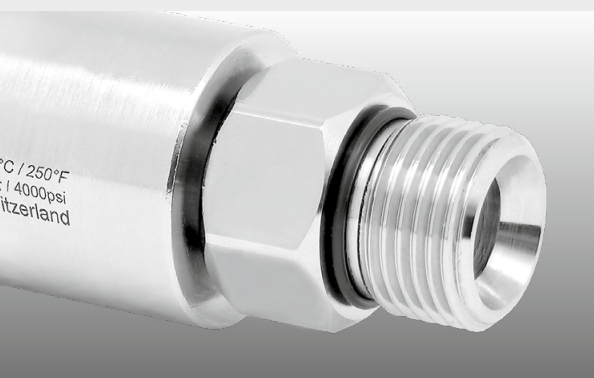


<b>36.901</b>	Seal kit NW 6
<b>36.914</b>	Seal kit NW 9
<b>36.915</b>	Seal kit NW 12

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ Triple bearing system
- ✓ Seal failure warning, through weep holes
- ✓ Stainless steel
- ✓ Maintenance free
- ✓ Carbide seals

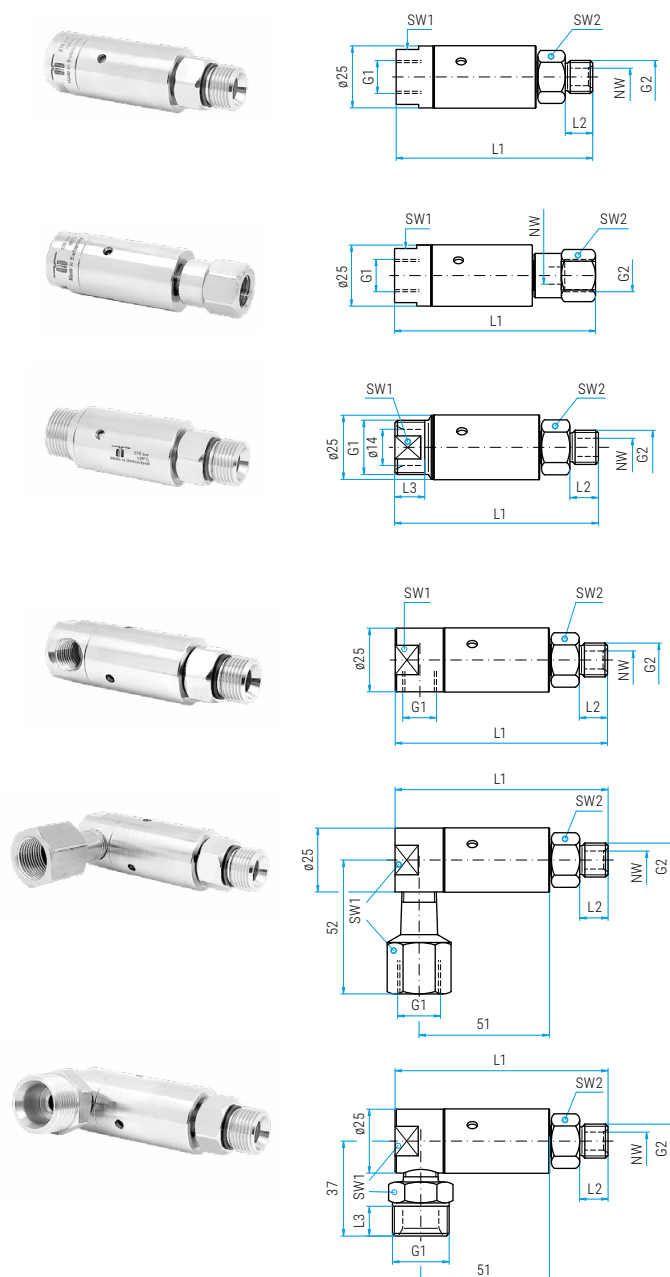
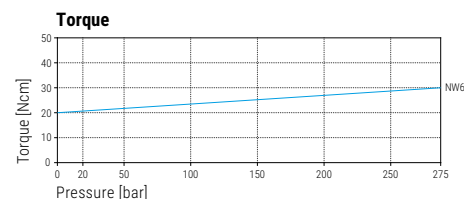
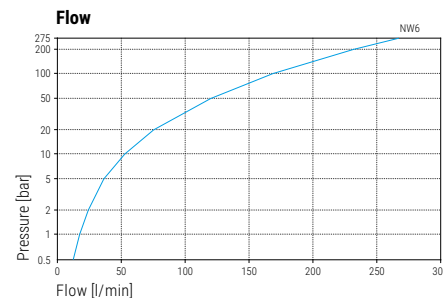


## Application

High pressure cleaning technology, parts washers, tire cleaners, high speed

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	DYL: brass, nickel plated DYL: stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	carbide
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



DYL Part No.	DYL Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
56.001	56.011	G1/4" F	G1/4" M	6	22	19	79	11	210 g
56.003	56.013	G1/4" F	G3/8" M	6	22	19	80	12	210 g
56.101	56.111	G3/8" F	G1/4" M	6	22	19	79	11	210 g
56.103	56.113	G3/8" F	G3/8" M	6	22	19	80	12	210 g

Part No.	Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	Weight
56.002	56.012	G1/4" F	G1/4" F	6	22	19	82	230 g
56.004	56.014	G1/4" F	G3/8" F	6	22	22	83	230 g
56.102	56.112	G3/8" F	G1/4" F	6	22	19	82	230 g
56.104	56.114	G3/8" F	G3/8" F	6	22	22	83	230 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
56.201	M21x1.5 M	G1/4" M	6	19	19	79	11	10	210 g
56.203	M21x1.5 M	G3/8" M	6	19	19	80	12	10	210 g
56.251	M22x1.5 M	G1/4" M	6	19	19	79	11	10	210 g
56.253	M22x1.5 M	G3/8" M	6	19	19	80	12	10	210 g

DYL 90° Part No.	DYL 90° Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
56.301	56.311	G1/4" F	G1/4" M	6	22	19	84	11	210 g
56.303	56.313	G1/4" F	G3/8" M	6	22	19	85	12	210 g

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
56.401	G3/8" F	G1/4" M	6	22	19	84	11	290 g
56.403	G3/8" F	G3/8" M	6	22	19	85	12	300 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
56.503	M21x1.5 M	G3/8" M	6	22	19	85	12	12	290 g
56.553	M22x1.5 M	G3/8" M	6	22	19	85	12	12	300 g

36.905	Seal kit NW 6
36.906	Seal kit + adhesive

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

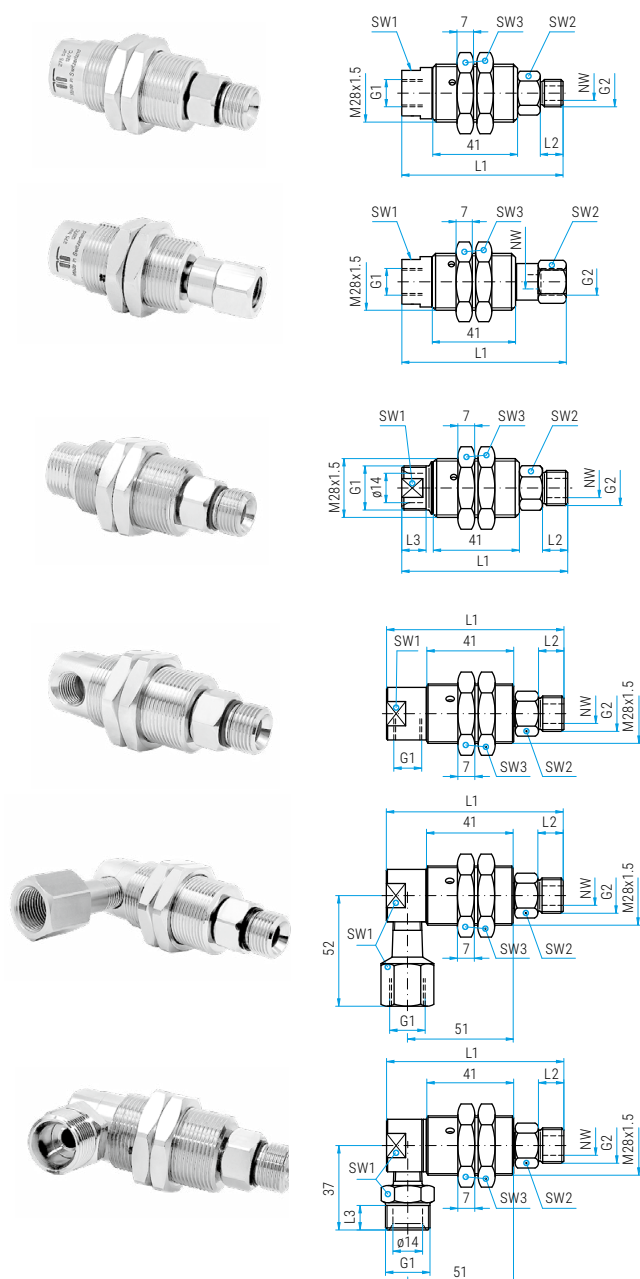
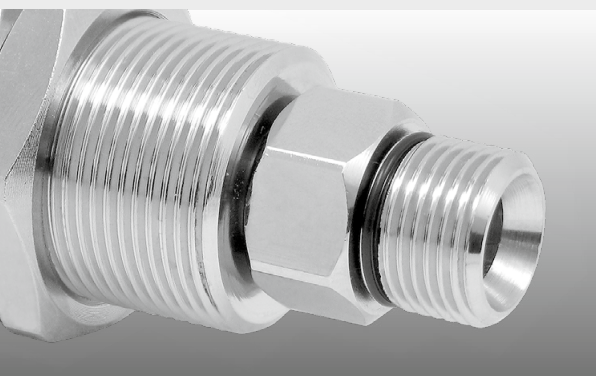
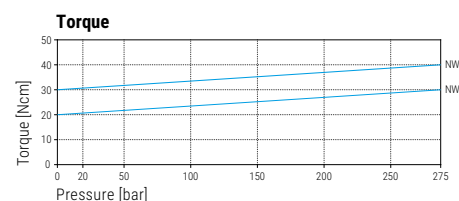
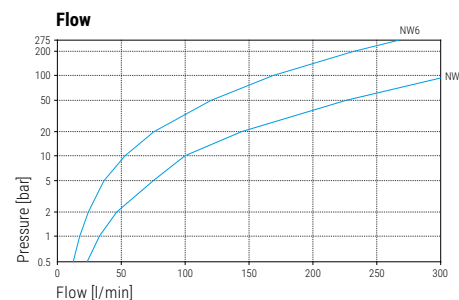
- ✓ Bulkhead fitting for mounting
- ✓ Corrosion resistant
- ✓ Highest quality and precision
- ✓ Maintenance free
- ✓ Carbide seals

## Application

Surface cleaners, parts washers, tire cleaners, high pressure, self rotating applications

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	DYG: brass, nickel plated DYG: stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	carbide
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



DYG	DYGI										
Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight	
57.001	57.011	G1/4" F	G1/4" M	6	22	19	34*	79	11	290 g	
57.003	57.013	G1/4" F	G3/8" M	6	22	19	34*	80	12	300 g	
57.101	57.111	G3/8" F	G1/4" M	6	22	19	34*	79	11	280 g	
57.103	57.113	G3/8" F	G3/8" M	6	22	19	34*	80	12	290 g	
57.603	57.613	G3/8" F	G3/8" M	9	22	19	34*	80	12	290 g	

Part No.	Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	SW3	L1	Weight
<b>57.002</b>	<b>57.012</b>	G1/4" F	G1/4" F	6	22	19	34*	82	230 g
<b>57.004</b>	<b>57.014</b>	G1/4" F	G3/8" F	6	22	22	34*	83	240 g
<b>57.102</b>	<b>57.112</b>	G3/8" F	G1/4" F	6	22	19	34*	82	220 g
<b>57.104</b>	<b>57.114</b>	G3/8" F	G3/8" F	6	22	22	34*	83	230 g
<b>57.604</b>	<b>57.614</b>	G3/8" F	G3/8" F	9	22	22	34*	83	230 g

\* at DYGI: 36 mm

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	L3	Weight
<b>57.201</b>	M21x1.5 M	G1/4" M	6	19	19	34	79	11	12	270 g
<b>57.203</b>	M21x1.5 M	G3/8" M	6	19	19	34	80	12	12	280 g
<b>57.251</b>	M22x1.5 M	G1/4" M	6	20	19	34	79	11	12	270 g
<b>57.253</b>	M22x1.5 M	G3/8" M	6	20	19	34	80	12	12	280 g

DYG 90°		DYGI 90°									
Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight	
57.301	57.311	G1/4" F	G1/4" M	6	22	19	34*	84	11	300 g	
57.303	57.313	G1/4" F	G3/8" M	6	22	19	34*	85	12	310 g	

\* at DYGI: 36 mm

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	Weight
<b>57.401</b>	G3/8" F	G1/4" M	6	22	19	34	84	11	380 g
<b>57.403</b>	G3/8" F	G3/8" M	6	22	19	34	85	12	390 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	SW3	L1	L2	L3	Weight
<b>57.503</b>	M21x1.5 M	G3/8" M	6	22	19	34	85	12	12	390 g
<b>57.553</b>	M22x1.5 M	G3/8" M	6	22	19	34	85	12	12	400 g

<b>36.905</b>	Seal kit NW 6
<b>36.906</b>	Seal kit + adhesive
<b>36.908</b>	Seal kit NW 9

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

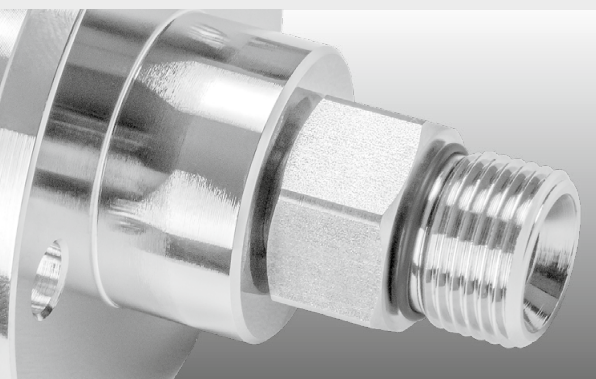
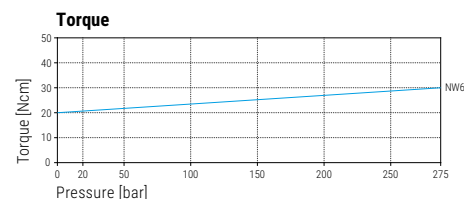
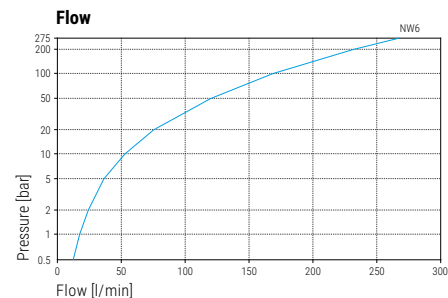
- ✓ Flange for easy installation
- ✓ Seal failure warning, through weep holes
- ✓ Maintenance free
- ✓ Carbide seal system

## Application

Surface cleaners, parts washers, tire cleaners, high pressure, self rotating applications

### TECHNICAL DATA

<b>Pressure</b>	275 bar (27.5 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	DYF: brass, nickel plated DYFI: stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	carbide
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DYF

### DYFI

Part No.	Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>58.001</b>	<b>58.011</b>	G1/4" F	G1/4" M	6	22	19	37	11	340 g
<b>58.003</b>	<b>58.013</b>	G1/4" F	G3/8" M	6	22	19	38	12	390 g
<b>58.101</b>	<b>58.111</b>	G3/8" F	G1/4" M	6	22	19	37	11	330 g
<b>58.103</b>	<b>58.113</b>	G3/8" F	G3/8" M	6	22	19	38	12	380 g

Part No.	Part No.	G1 (F)	G2 (F)	NW	SW1	SW2	L1	Weight
<b>58.002</b>	<b>58.012</b>	G1/4" F	G1/4" F	6	22	19	39	280 g
<b>58.004</b>	<b>58.014</b>	G1/4" F	G3/8" F	6	22	22	41	290 g
<b>58.102</b>	<b>58.112</b>	G3/8" F	G1/4" F	6	22	19	39	270 g
<b>58.104</b>	<b>58.114</b>	G3/8" F	G3/8" F	6	22	22	41	280 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
<b>58.201</b>	M21x1.5 M	G1/4" M	6	19	19	37	11	12	320 g
<b>58.203</b>	M21x1.5 M	G3/8" M	6	19	19	38	12	12	330 g
<b>58.251</b>	M22x1.5 M	G1/4" M	6	20	19	37	11	12	320 g
<b>58.253</b>	M22x1.5 M	G3/8" M	6	20	19	38	12	12	330 g

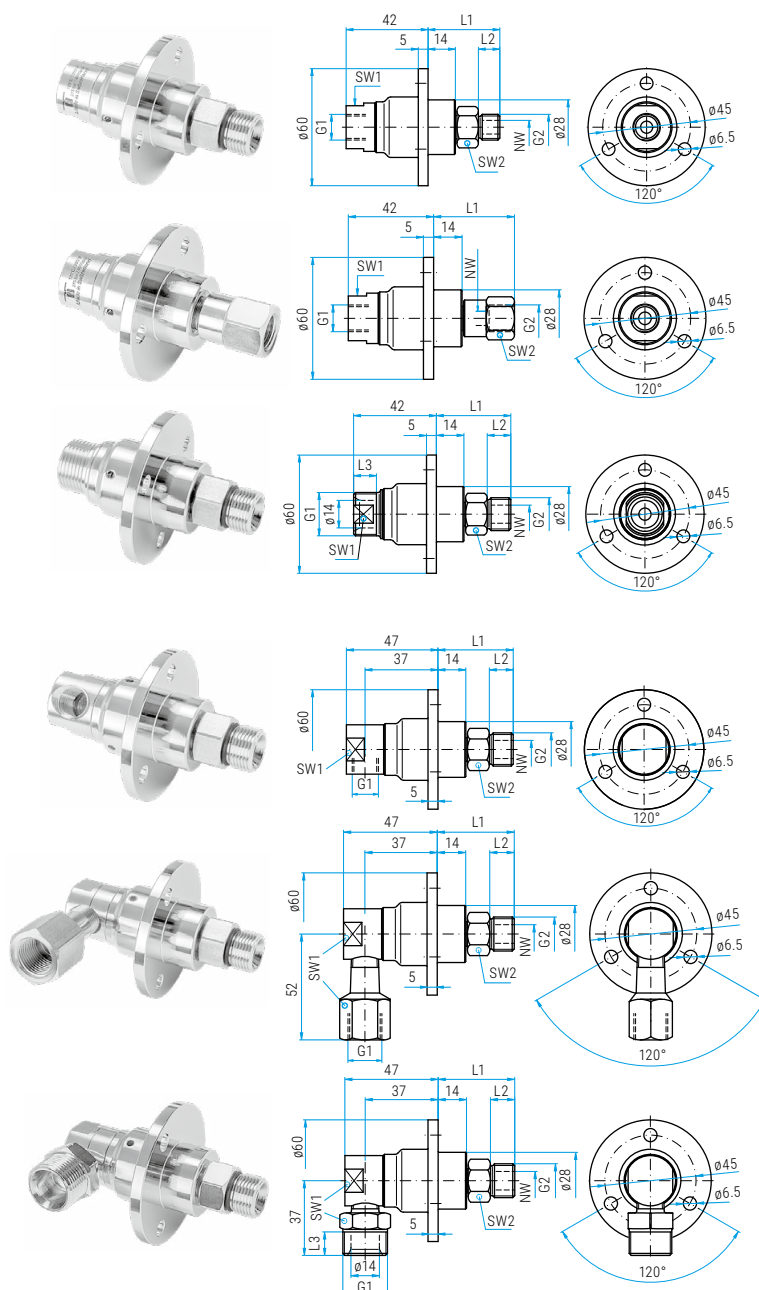
### DYF 90°

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>58.301</b>	G1/4" F	G1/4" M	6	22	19	37	11	350 g
<b>58.303</b>	G1/4" F	G3/8" M	6	22	19	38	12	400 g

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	Weight
<b>58.401</b>	G3/8" F	G1/4" M	6	22	19	37	11	450 g
<b>58.403</b>	G3/8" F	G3/8" M	6	22	19	38	12	500 g

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	Weight
<b>58.503</b>	M21x1.5 M	G3/8" M	6	22	19	38	12	12	450 g
<b>58.553</b>	M22x1.5 M	G3/8" M	6	22	19	38	12	12	450 g

<b>36.905</b>	Seal kit NW 6
<b>36.906</b>	Seal kit + adhesive



### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

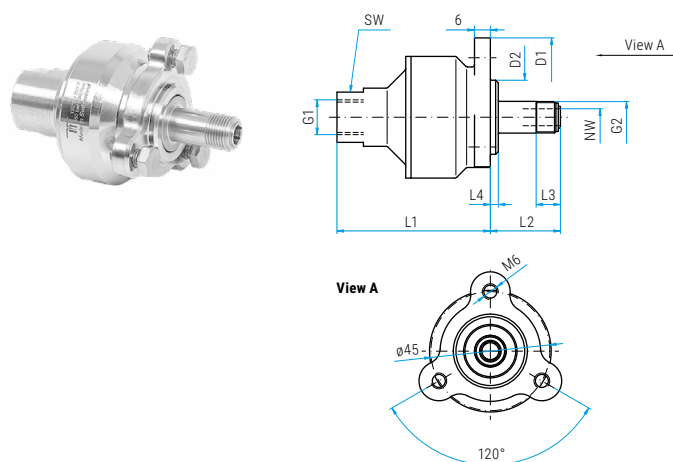
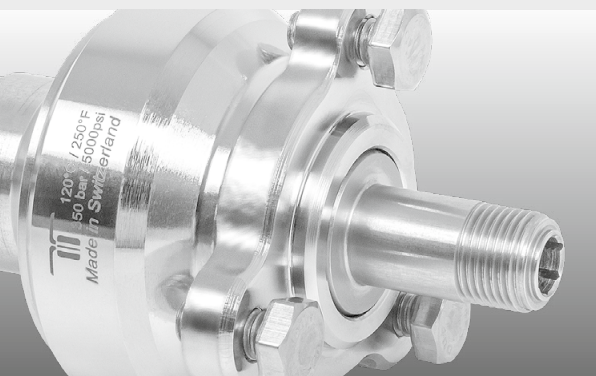
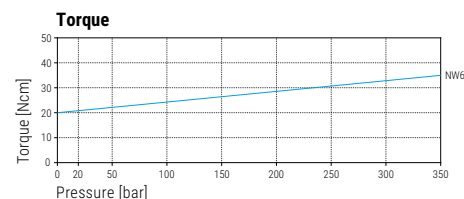
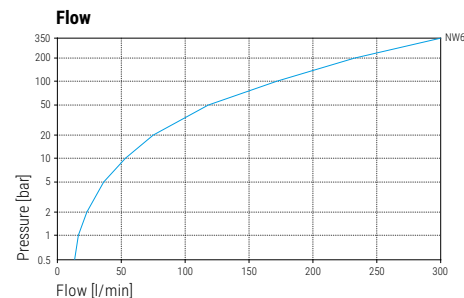
- ✓ Easy rotation under maximum pressure
- ✓ Flange for easy installation
- ✓ Sealed stainless steel bearings
- ✓ Maintenance free

## Application

High rpm, high pressure, self rotating applications, wall cleaners, parts washers

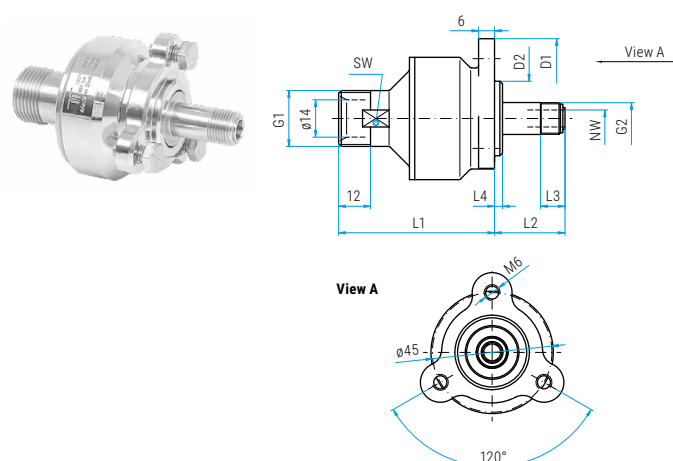
### TECHNICAL DATA

<b>Pressure</b>	350 bar (35 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	brass, nickel plated stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	carbide
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### DYW

Part No.	G1 (F)	G2 (M)	NW	SW	L1	L2	L3	L4	D1	D2	Weight
<b>55.020</b>	G1/4" F	M12x1 M	6	22	58	26	9	3	60	28	460 g
<b>55.120</b>	G3/8" F	M12x1 M	6	22	58	26	9	3	60	28	450 g



### DYW

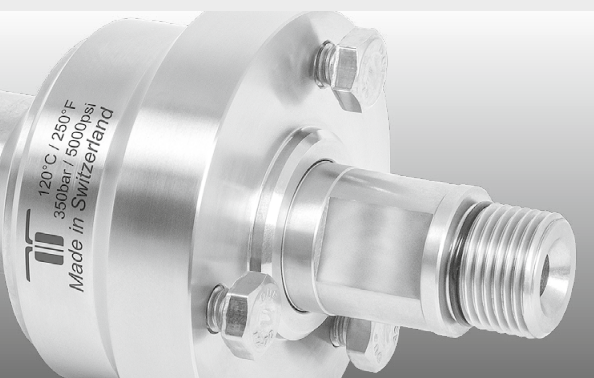
Part No.	G1 (QV)	G2 (M)	NW	SW	L1	L2	L3	L4	D1	D2	Weight
<b>55.220</b>	M21x1.5 M	M12x1 M	6	19	58	26	9	3	60	28	440 g
<b>55.270</b>	M22x1.5 M	M12x1 M	6	20	58	26	9	3	60	28	450 g

<b>36.905</b>	Seal kit NW 6
<b>36.906</b>	Seal kit + adhesive

#### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ Complete stainless steel construction
- ✓ Seal failure warning, through weep holes
- ✓ Sealed stainless steel bearings
- ✓ Carbide seal system



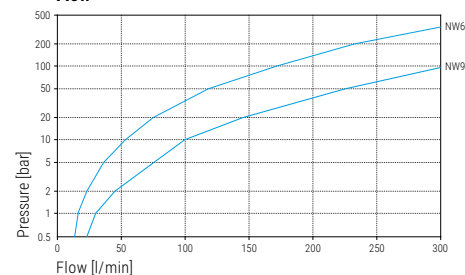
## Application

High flow, high pressure, self rotating applications, surface cleaners, parts washers

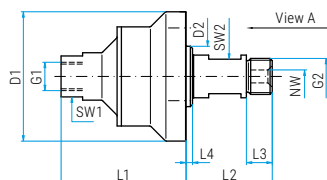
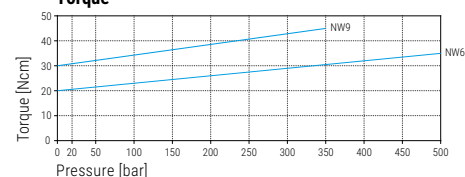
### TECHNICAL DATA

<b>Pressure</b>	DYCI: 350 bar (35 MPa) DYDI: 500 bar (50 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	carbide
<b>Bearing</b>	2x radial ball bearings 1x thrust ball bearing
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow

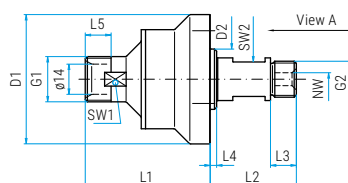


### Torque



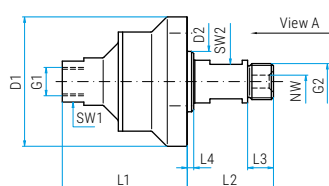
### DYCI

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	L3	L4	D1	D2	Weight
<b>55.003</b>	G1/4" F	G3/8" M	6	19	16	58	37	12	3	60	28	630 g
<b>55.103</b>	G3/8" F	G3/8" M	6	22	16	58	37	12	3	60	28	620 g
<b>55.603</b>	G3/8" F	G3/8" M	9	22	16	60	37	12	3	60	28	640 g



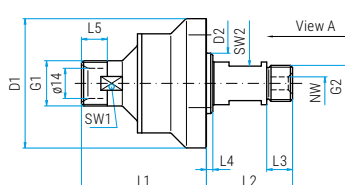
### DYCI

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	L4	L5	D1	D2	Weight
<b>55.203</b>	M21x1.5 M	G3/8" M	6	19	16	58	37	12	3	12	60	28	620 g
<b>55.253</b>	M22x1.5 M	G3/8" M	6	20	16	58	37	12	3	12	60	28	630 g



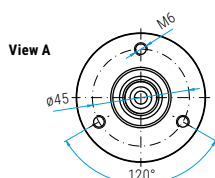
### DYDI (500 bar)

Part No.	G1 (F)	G2 (M)	NW	SW1	SW2	L1	L2	L3	L4	D1	D2	Weight
<b>55.113</b>	G3/8" F	G3/8" M	6	22	16	58	37	12	3	60	28	630 g



### DYDI (500 bar)

Part No.	G1 (QV)	G2 (M)	NW	SW1	SW2	L1	L2	L3	L4	L5	D1	D2	Weight
<b>55.263</b>	M22x1.5 M	G3/8" M	6	20	16	58	37	12	3	12	60	28	620 g

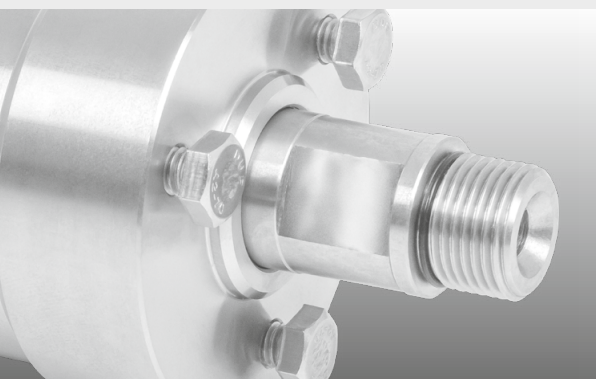


<b>36.905</b>	<b>DYCI Seal kit NW 6</b>
<b>36.906</b>	<b>DYCI Seal kit NW 6 + adhesive</b>
<b>36.908</b>	<b>DYCI Seal kit NW 9</b>
<b>36.909</b>	<b>DYDI Seal kit NW 6 (500 bar)</b>

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ Quadruple bearing system
- ✓ Highest precision and quality
- ✓ Seal failure warning, through weep holes
- ✓ Sealed stainless steel bearings
- ✓ Carbide seals



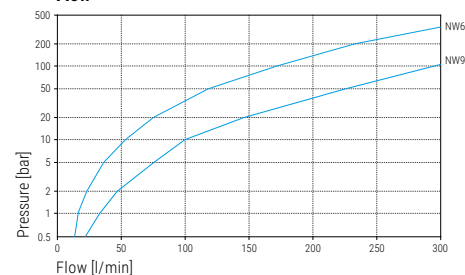
## Application

High pressure/rpm, thrust and radial force, self rotating applications, surface cleaners, parts washers

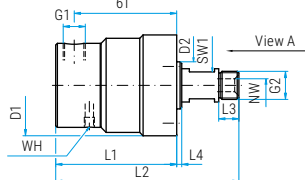
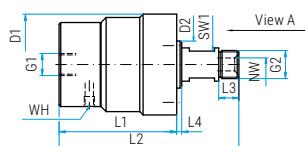
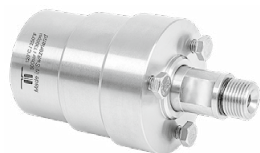
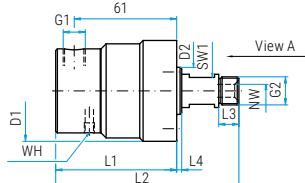
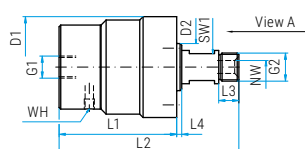
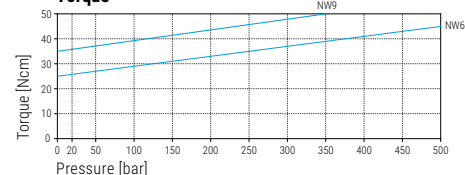
### TECHNICAL DATA

<b>Pressure</b>	DYT: 350 bar (35 MPa) DYU: 500 bar (50 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	carbide
<b>Bearing</b>	2x radial ball bearings 2x thrust ball bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air

### Flow

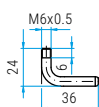


### Torque

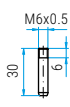


WH (weep hole)

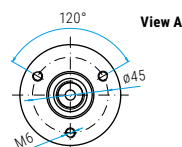
Optional: Pipes for weep hole



Part No. 902.745



Part No. 902.765



### DYT

Part No.	G1 (F)	G2 (M)	NW	SW1	L1	L2	L3	L4	D1	D2	Weight
59.001	G1/4" F	G1/4" M	6	16	70	107	10	3	60	28	1300 g
59.003	G1/4" F	G3/8" M	6	16	70	107	12	3	60	28	1290 g
59.101	G3/8" F	G1/4" M	6	16	72	109	10	3	60	28	1290 g
59.103	G3/8" F	G3/8" M	6	16	72	109	12	3	60	28	1300 g
59.603	G3/8" F	G3/8" M	9	16	72	109	12	3	60	28	1280 g

### DYT 90°

Part No.	G1	G2 (M)	NW	SW1	L1	L2	L3	L4	D1	D2	Weight
59.303	G1/4" F	G3/8" M	6	16	72	109	12	3	60	28	1300 g
59.403	G3/8" F	G3/8" M	6	16	73	110	12	3	60	28	1300 g
59.503	M21x1.5 M	G3/8" M	6	16	72	109	12	3	60	28	1350 g
59.553	M22x1.5 M	G3/8" M	6	16	72	109	12	3	60	28	1350 g

### DYU (500 bar)

Part No.	G1 (F)	G2 (M)	NW	SW1	L1	L2	L3	L4	D1	D2	Weight
59.113	G3/8" F	G3/8" M	6	16	72	109	12	3	60	28	1300 g

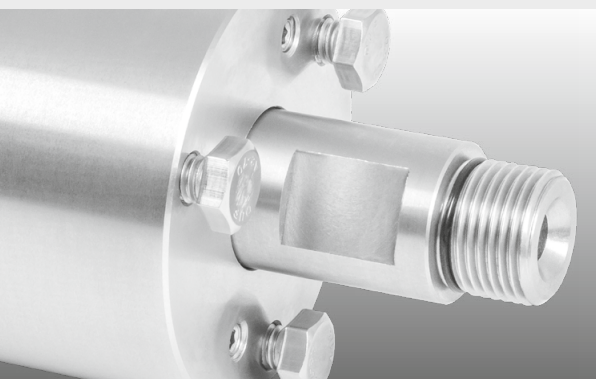
### DYU 90° (500 bar)

Part No.	G1 (F)	G2 (M)	NW	SW1	L1	L2	L3	L4	D1	D2	Weight
59.413	G3/8" F	G3/8" M	6	16	73	110	12	3	60	28	1300 g

36.905	DYT Seal kit NW 6
36.906	DYT Seal kit NW 6 + adhesive
36.908	DYT Seal kit NW 9
36.909	DYU Seal kit NW 6 (500 bar)

59.911	DYT/DYU Bearing kit NW 6 + 9
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- ✓ Saltwater resistant
- ✓ With check valve
- ✓ Quadruple bearing system
- ✓ Carbide seal system
- ✓ Stainless steel

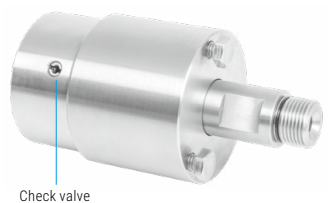
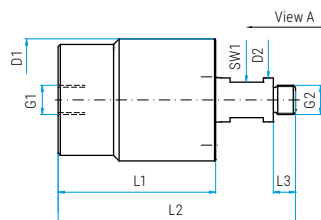
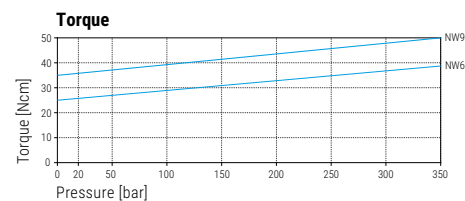
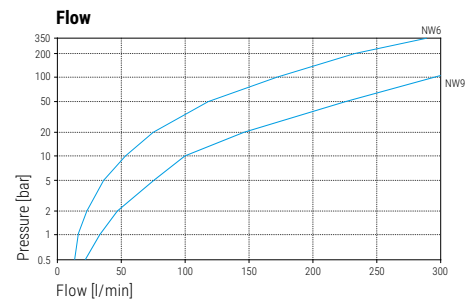


## Application

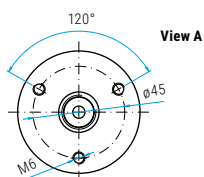
Underwater application (saltwater/freshwater), high rpm/pressure, thrust and radial forces

### TECHNICAL DATA

<b>Pressure</b>	350 bar (35 MPa)
<b>Temperature</b>	120°C
<b>RPM</b>	max. 2'000 rpm
<b>Body</b>	stainless steel
<b>Inner part</b>	stainless steel
<b>Seal</b>	carbide
<b>Bearing</b>	stainless steel 2x radial ball bearings 2x thrust ball bearings
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



Check valve



### DYKI

Part No.	G1 (F)	G2 (M)	NW	SW1	L1	L2	L3	D1	D2	Weight
<b>54.001</b>	G1/4" F	G1/4" M	6	16	71	107	10	55	20	1150 g
<b>54.103</b>	G3/8" F	G3/8" M	6	16	71	107	12	55	20	1150 g
<b>54.603</b>	G3/8" F	G3/8" M	9	16	73	109	12	55	20	1160 g

<b>36.916</b>	Seal kit NW 6
<b>36.917</b>	Seal kit NW 9

### Legend

M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

- ✓ Easily installed
- ✓ Light and solid
- ✓ Compact design

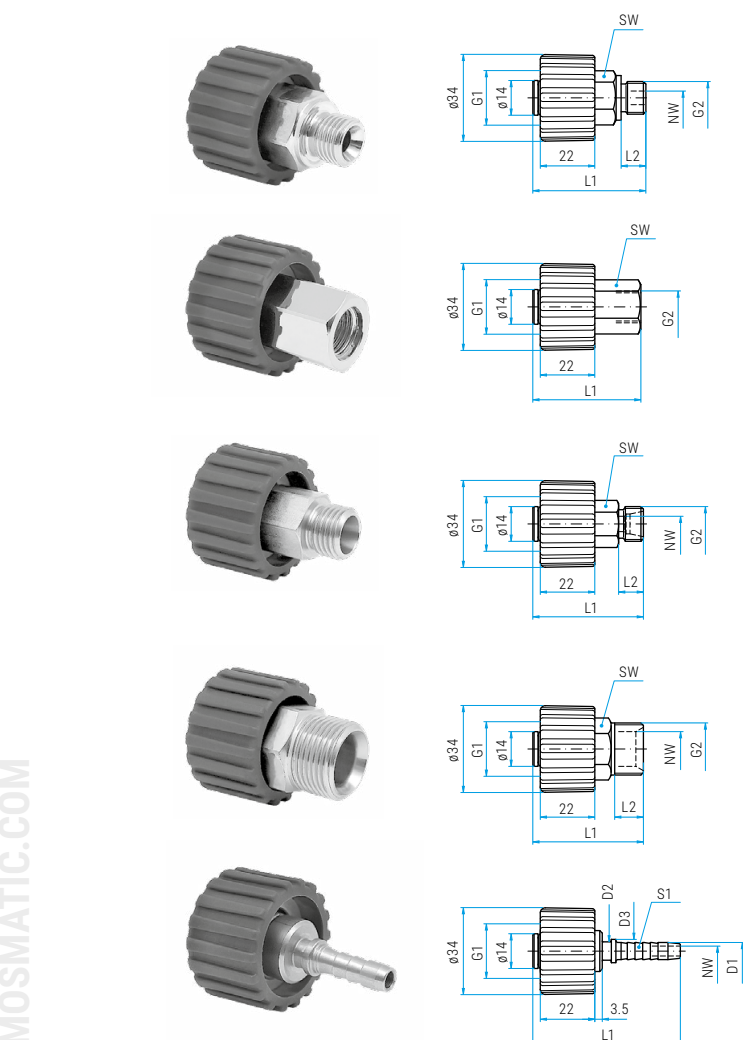
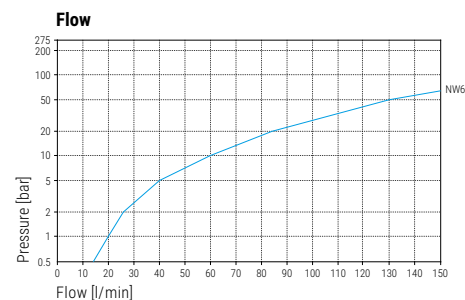


## Application

High pressure cleaners, high pressure hose reels, quick coupling

### TECHNICAL DATA

<b>Pressure</b>	250 bar (25 MPa) also available as 500 bar
<b>Temperature</b>	120°C
<b>RPM</b>	max. 30 rpm
<b>Body</b>	brass, nickel plated plastic
<b>Inner part</b>	stainless steel
<b>Seal</b>	O-ring NBR (optional: EPDM or FKM)
<b>Throughput medium</b>	pH 3 - 12 10 µm filtered 20 bar compressed air



### QVS

Part No.	G1 (QV)	G2 (M)	NW	SW	L1	L2	Weight	Color
<b>50.101</b>	M22x1.5 F	G1/4" M	6	19	46	10	90 g	blue
<b>50.103</b>	M22x1.5 F	G3/8" M	6	19	47	11	100 g	blue
<b>50.160*</b>	M22x1.5 F	G1/4" M	6	-	44	11	70 g	black

\* 500 bar

Part No.	G1 (QV)	G2 (F)	NW	SW	L1	Weight	Color
<b>50.102</b>	M22x1.5 F	G1/4" F	6	19	44	100 g	blue
<b>50.104</b>	M22x1.5 F	G3/8" F	6	22	45	120 g	blue
<b>50.161*</b>	M22x1.5 F	G1/4" F	6	-	27	50 g	black

\* 500 bar

Part No.	G1 (QV)	G2 (SV)	NW	SW	L1	L2	Weight	Color
<b>50.105</b>	M22x1.5 F	M14x1.5 M	6	17	45	10	80 g	blue
<b>50.106</b>	M22x1.5 F	M16x1.5 M	6	17	45	10	90 g	blue
<b>50.107</b>	M22x1.5 F	M18x1.5 M	6	19	43	11	90 g	blue

Part No.	G1 (QV)	G2 (QV)	NW	SW	L1	L2	Weight	Color
<b>50.108</b>	M22x1.5 F	M21x1.5 M	6	22	45	12	110 g	blue
<b>50.109</b>	M22x1.5 F	M22x1.5 M	6	22	45	12	130 g	blue

Part No.	G1 (QV)	S1	NW	L1	D1	D2	D3	Weight	Color
<b>50.131</b>	M22x1.5 F	6 (1/4")	4	58	6.7	7.3	10	70 g	blue
<b>50.132</b>	M22x1.5 F	8 (5/16")	5.8	60	8.4	9	11.5	70 g	blue
<b>50.133</b>	M22x1.5 F	10 (3/8")	7	61	10	10.7	13.5	60 g	blue

Other sizes (e.g. M21x1.5 F) or versions upon request.

#### Legend

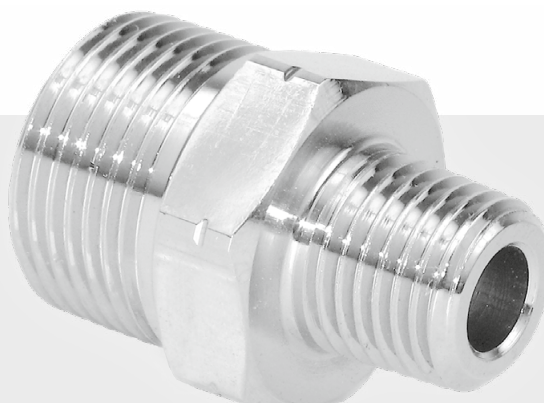
M... = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects  
SV = profile ring fitting, D = diameter, L = length, NW = nominal width, SW = wrench size

#### Additional Seal Options available

EPDM (E) or FKM/Viton (V). Please indicate letter of seal material after part number.  
Minimum orders apply.

- ✓ Brass, nickel plated or stainless steel
- ✓ Various thread configurations
- ✓ High precision

Different applications require different fitting types. Precision machined universal fitting to suite your application.



## VER (275 bar / brass, nickel plated)

		male						female	
		G1/4" M	G3/8" M	M18x1.5	M21x1.5	M22x1.5	3/8" NPTM	G1/4" F	G3/8" F
male	G1/4" M		<b>52.004</b>			<b>52.221</b>		<b>52.011</b>	
	G3/8" M	<b>52.004</b>	<b>52.029</b>		<b>52.203</b>	<b>51.280</b>		<b>52.013</b>	
	M21x1.5		<b>52.203</b>		<b>52.208</b>	<b>52.209</b>		<b>52.202</b>	<b>52.204</b>
	M22x1.5	<b>52.221</b>	<b>51.280</b>		<b>52.209</b>	<b>52.229</b>		<b>52.222</b>	<b>52.224</b>
female	G1/4" F	<b>52.011</b>	<b>52.013</b>		<b>52.202</b>	<b>52.222</b>		<b>52.012</b>	<b>52.014</b>
	G3/8" F				<b>52.204</b>	<b>52.224</b>		<b>52.014</b>	
Profile ring fittings	M14x1.5 M (08-L)				<b>52.205</b>	<b>52.225</b>			
	M16x1.5 M (10-L)				<b>52.206</b>	<b>52.226</b>			
	M18x1.5 M (12-L)				<b>52.207</b>	<b>52.227</b>			
NPT	1/4" NPTM			<b>903.834</b>	<b>52.251</b>	<b>52.271</b>	<b>52.102</b>	<b>52.061</b>	
	1/4" NPTF				<b>52.252</b>	<b>52.272</b>		<b>52.062</b>	
	3/8" NPTM				<b>52.253</b>	<b>52.273</b>	<b>52.121</b>	<b>52.063</b>	
	3/8" NPTF				<b>52.254</b>	<b>52.274</b>		<b>52.064</b>	

## VER (500 bar / stainless steel)

		male								female	
		G1/4" M	R1/4" M	G3/8" M	G1/2" M	M18x1.5	M21x1.5	M22x1.5	3/8" NPTM	G1/4" F	G3/8" F
male	G1/4" M	<b>51.001</b>	<b>51.003</b>	<b>51.004</b>	<b>902.664</b>	<b>51.341</b>	<b>51.277</b>	<b>51.275</b>		<b>51.011</b>	<b>51.005</b>
	G3/8" M	<b>51.004</b>	<b>51.009</b>			<b>51.343</b>	<b>51.279</b>	<b>51.280</b>		<b>51.012</b>	<b>38217</b>
	R1/2" M				<b>904.645</b>						
	M21x1.5	<b>51.277</b>		<b>51.279</b>							
	M22x1.5	<b>51.275</b>	<b>51.913</b>	<b>51.280</b>	<b>904.687</b>						<b>51.224</b>
female	G1/4" F	<b>51.011</b>	<b>51.019</b>	<b>51.012</b>		<b>51.342</b>					
	G3/8" F	<b>51.005</b>	<b>51.021</b>	<b>38217</b>		<b>51.344</b>		<b>51.224</b>			<b>51.022</b>
Profile ring fittings	M14x1.5 M (08-L)	<b>51.301</b>								<b>51.302</b>	
	M16x1.5 M (10-L)	<b>51.321</b>								<b>51.322</b>	
	M18x1.5 M (12-L)	<b>51.341</b>		<b>51.343</b>		<b>51.359</b>			<b>51.353</b>	<b>51.342</b>	<b>51.344</b>
NPT	1/4" NPTM	<b>51.103</b>						<b>51.278</b>		<b>51.061</b>	
	1/4" NPTF										
	3/8" NPTM					<b>51.353</b>					
	3/8" NPTF	<b>51.129</b>	<b>51.129</b>			<b>51.354</b>					

Other versions or sizes upon request.

### TECHNICAL DATA

#### Pressure

275 bar (27.5 MPa)

500 bar (50 MPa)

#### Body

Brass nickel-plated or stainless steel

#### Legend

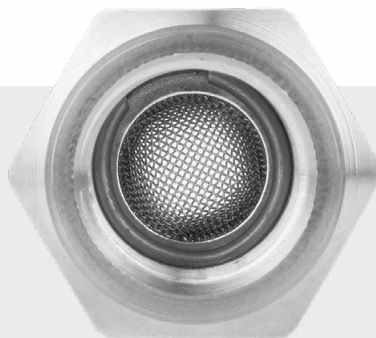
M.. = metric thrust, ..M = male, F = female, G = gas pipe thrust, R = gas pipe thrust conical, QV = quick connects, SV = profile ring fitting  
D = diameter, L = length, NW = nominal width, SW = wrench size, IN = media input, OUT = media output, RS = basic position

## ADAPTOR WITH SIEVE

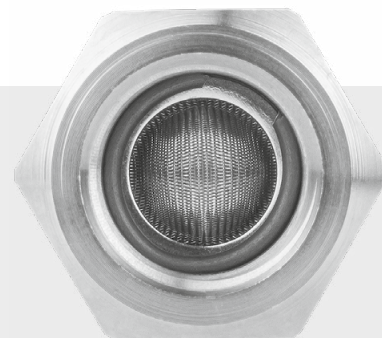
- ✓ 100% stainless steel (INOX)
- ✓ Different mesh sizes available
- ✓ Easy to dismantle and clean



These adaptors are ideal for washing systems with reclaim. The sieve decreases the amount of debris flowing through the gun and onto the vehicle. It is simple to dismantle and clean.



Mesh count 50



Mesh count 200



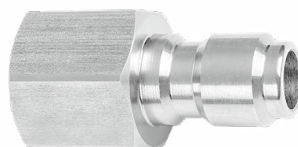
### Adaptor with sieve

275 bar, stainless steel

Part No.	IN / OUT	Mesh count	SW	Weight
<b>53.001</b>	G3/8"F / G3/8"M	50	22	0.06 kg
<b>53.002</b>	G3/8"F / G3/8"M	200	22	0.06 kg
<b>53.005</b>	G1/2"F / G1/2"M	50	27	0.06 kg
<b>53.006</b>	G1/2"F / G1/2"M	200	27	0.06 kg

## HP COUPLINGS

- ✓ Quick to assemble / disassemble
- ✓ 100% stainless steel (INOX)



### Quick connect plug

350 bar, stainless steel

Part No.	Thread	D	NW	SW	Weight
<b>70.020</b>	G1/4" F	12	6	17	30 g
<b>70.021</b>	G1/4" M	12	6	17	30 g
<b>70.022</b>	G3/8" F	15	9	22	60 g
<b>70.023</b>	G3/8" M	15	9	22	60 g



### Quick connect coupler

350 bar, stainless steel

Part No.	Thread	D	NW	SW	Weight
<b>70.010</b>	G1/4" F	12	6	22	60 g
<b>70.011</b>	G1/4" M	12	6	22	80 g
<b>70.012</b>	G3/8" F	15	9	24	100 g
<b>70.013</b>	G3/8" M	15	9	24	100 g

Ladies & Gentlemen

Thank you very much for your interest in our products. Please fill out this form and email or fax to your Mosmatic contact and we will process your inquiry promptly.

## 1 CUSTOMER NUMBER

--	--	--	--	--	--	--	--

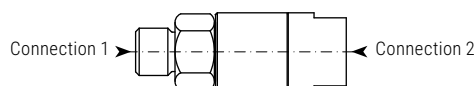
Please enter your customer number for each inquiry.

☐ New customer / Neukunde

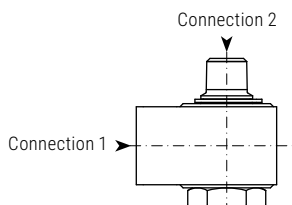
## 3 STYLE

Rotating Unions are differentiated in terms of Style in axial and angular rotary feedthroughs. Please check the appropriate box.

☐ Inline Version



☐ 90 ° version



## 4 ATTACHMENT

Please check the appropriate box connection version.

- ☐ Flange connection  
☐ Flange thread  
☐ Bulkhead fitting  
☐ not relevant

Specials

## 6 SKETCH

## 2 CONTACT DETAILS

Company

Street and No.

Postal code and City

Phone and Fax (in case of questions)

Contact person

Email

Date and Signature

## 5 OPERATING CONDITIONS

Application

Connections

Pressure (max. bar)

RPM (max. RPM)

Flow (l/min)

Medium

Fluid temperature (°C)

Loads: radial or axial

Operating time (hours/day)

Operating cycles

By multi-way rotary unions amount of Channels

Other factors or special features in the application

Max. dimensions (L x W x H)

Installation environment

Mounting position

Requested quantity

Drive

Price Range (approx. value)

## 1. General

- 1.1 These General Terms and Conditions of Sale and Supply affect all goods and services sold and supplied by us. Any contrary terms laid down by the purchaser shall not be binding on us even if they have been identified as the basis for the purchaser's order.
- 1.2 Subordinate agreements, as well as changes and additions to the contract and to these General Terms and Conditions, shall only be valid if confirmed by us in writing.

## 2. Quotations, offers, and estimates

- 2.1 No offers made by us shall be regarded as binding.
- 2.2 We reserve the right to improve or modify the design or construction of our goods.

## 3. Prices

- 3.1 Our prices are given in Swiss Francs (CHF) and EURO (€), without packaging, ex-works Necker. All transport costs shall be charged to the purchaser.
- 3.2 We do not accept any deductions or charges relating to the disposal of packaging material. The purchaser shall bear any disposal costs that may arise.
- 3.3 All deliveries, including part-consignments, for which a delivery date is agreed that is more than three months later than the date of the order confirmation, shall be made at the selling price in force on the day of delivery.

## 4. Delivery periods

- 4.1 If a delivery period (as opposed to a delivery date) has been stated, it shall be deemed to start on the date of the written confirmation of order or alternatively the date of receipt of order if it confirms our offer without alteration. Any delivery period shall be prolonged accordingly if data or documentation does not reach us on time, if they are altered retroactively by the purchaser with our assent, or if any instalment payment arrives later than agreed.
- 4.2 If any failure to adhere to a delivery period is not exclusively our fault, the purchaser shall not thereby derive any right to cancel the contract, to refuse delivery, or to sue for damages.
- 4.3 Any Act of God or case of force majeure shall release us from our obligation to supply, without the purchaser deriving any further claim there from.
- 4.4 The entirety of all goods delivered shall remain the property of Mosmatic AG until the purchase price has been paid in full. The purchaser hereby expressly declares his consent to the appropriate entry in the „Register of Retained Title“.

## 5. Acceptance of goods by the recipient

- 5.1 The purchaser shall assume all risks at the moment the goods are handed over to the railway or postal authorities or collected from the Necker works by any party (e.g. freight forwarding agent or haulier) acting with his authority. If acceptance is delayed or made impossible for any reason beyond our control, we shall be entitled to store the goods, at the purchaser's risk and expense, on our premises or a third party's, and shall be deemed to have thereby fulfilled our obligations.

## 6. Payment

- 6.1 All invoices shall be due for payment within 30 days of the invoice date.
- 6.2 Payment shall be made only in the currency agreed. Cheques will be accepted by way of payment but shall not be regarded as settlement until they have been cleared.
- 6.3 There shall be no right of off-set against counter-claims unless the counter-claim is undisputed or has been acknowledged by a Court as final and absolute.
- 6.4 If a number of claims to payment are outstanding, we shall be entitled to determine which claim has been settled by any payments the purchaser makes.
- 6.5 As soon as the normal payment period has expired, and even if no payment reminder has been sent, interest shall be due on the arrears at the rate customary in the trade but at least 4 percentage points above the Discount Rate of the Swiss National Bank in force at the material time.
- 6.6 It shall only be permitted to withhold or reduce payments on account of complaints if we have given our consent.
- 6.7 We cannot process an order unless it reaches the minimum order amount of CHF/EUR 200.-.

## 7. Guarantee

- 7.1 We grant a guarantee on new products against all defects for which we are responsible covering a period of 12 months from the date of delivery. This guarantee does not cover parts (such as seals, ball bearings etc.) that are subject to normal wear and tear. The guarantee shall become null and void if any repairs are carried out improperly by the purchaser himself or any third party. We shall be free to select, at our own discretion, whether to replace items free of charge or to grant an appropriate reduction in the price. No claims whatever from the purchaser shall be entertained which go beyond the aforesaid, and claims for damages or nullification of the contract are expressly ruled out, regardless of the legal grounds on which they may be raised, which result from the installation of the goods supplied. The guarantee period shall start on the date of delivery, which is noted on the invoice.

- 7.2 Any defects in the goods shall be notified to us in writing at once, or in the case of visible defects within one week of their becoming apparent. No guarantee claims can be entertained if this requirement is not adhered to.

- 7.3 No returns will be accepted without prior authorization from a Mosmatic AG representative. All returns are subject to inspection. Returns must be sent pre-paid freight to Mosmatic AG, Oberhelfenschwilerstrasse 6, CH-9126 Necker, Switzerland. All returns must be accompanied by a RMA form (Return Material Authorisation) which clearly shows the RMA number and the customer ID number. The RMA form can be obtained from Mosmatic AG in writing or by calling our customer service number. RMA numbers are valid for 30 days only. If the merchandise is not returned within the 30-day period, the number becomes invalid and a new RMA number must be obtained. Supplying a RMA number does not acknowledge a warranty claim or manufactures defect. Mosmatic AG shall not under any circumstances be liable for losses or shipping damages of returned goods. Unused products arriving in resalable condition, including original packaging and manuals, are not subject to restocking fees. All other unused products or none stock items are subject to a 15% restocking fee.

## 8. Liability

- 8.1 Unless something else arises from the following, no further claims from the purchaser, irrespective of legal grounds they may be based on, are accepted by us.
- 8.2 Our liability for any claim for loss, damage or personal injury arising out of a contract shall be limited to the compensation of our product liability insurance.

## 9. Place of execution and jurisdiction, choice of law

- 9.1 The place of execution for purchaser and vendor shall be Necker, Canton of St Gallen, Switzerland.
- 9.2 In the event of any disputes relating to the validity of the contract or of these General Terms, the place of jurisdiction shall be Oberhelfenschwil, Switzerland.
- 9.3 These General Terms shall be subject to Swiss law exclusively. The German text shall be exclusively effective, this translation having been prepared for convenience only.

## General Information

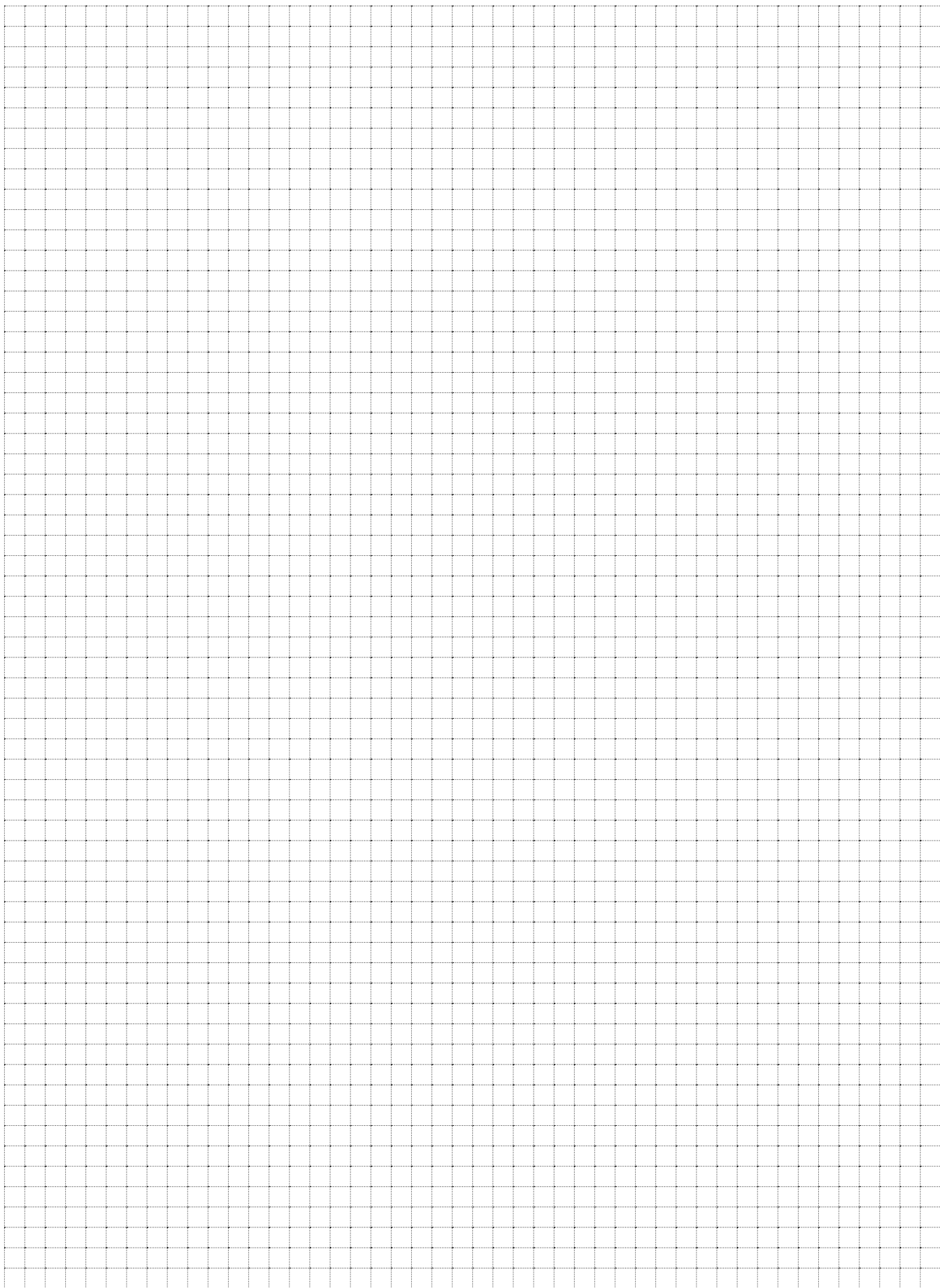
- With the publication of this catalogue, all previous catalogues and publications are no longer valid.
- We reserve the right to make technical modifications at any time without prior notification.
- For any special versions, manufactured to individual customer requirements, we decline any responsibility for their subsequent use and effects in operation.
- Validation of data and measurements exclude printing and typing errors.
- The details we provide are recommendations only, which we give to the best of our knowledge. Written confirmation of precise details can be obtained upon request.
- Mosmatic sells through a network of authorized dealers and representatives only.

## Use of your personal information

- We never sell or rent any of the information you provide us with to third parties.
- We use the information we collect for various purposes, including:
  - to complete your purchase transaction
  - to provide the services you requested
  - to send you our catalogues and offerings
  - to send you specials and updates per email
  - to contact you about the status of your order
- When you make a credit card transaction we collect your name, your billing address for the card, the card type, number and expiration date. We also collect information that allows us to ship your order, i.e. name, address and phone number of the intended recipient(s).

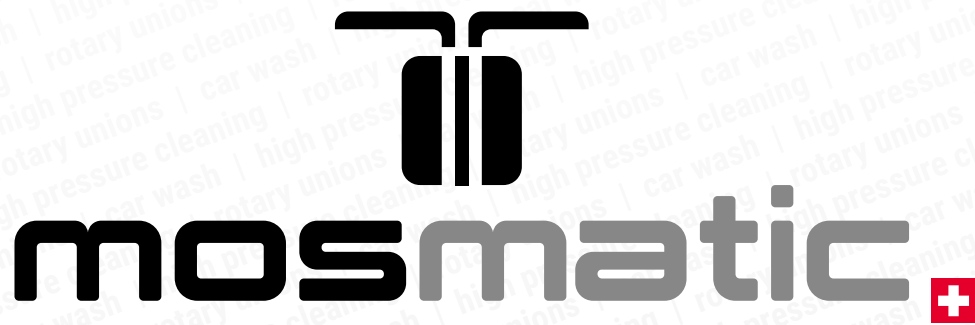
## For your safety

- For your own safety always use protection gear like safety glasses, gloves etc. when using our products connected to high pressure.
- Safety regulations and guidelines (Accident prevention rules) from the manufacturer of high pressure equipment are applicable when using our products.
- Nozzle installation according to nozzle manufacturer.
- Mosmatic products should only be installed by experienced users of high pressure equipment. The responsibility for the safe and effective use of Mosmatic products rest with the user.





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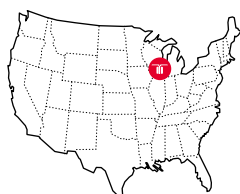
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