

High pressure guns

ST-2300



ST-2720



ST-2600



Valves

Ball valves - with Safety Guard



Low pressure guns

ST-860



ST-810



RB65



Unloader/Bypass Valve



Heavy Duty Rotating nozzles with ceramic insert



1/4" F. Spray angle 20°.
100 - 250 bar. Max. 100 °C



Replacement
Kit Available



* lance Close up to show insert



Hoses



**Smooth Bore
PTFE Hose
PH179 - SAE J517
100R14**

P.T.F.E hose has an excellent temperature characteristics both in high and low temperature, Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all are one of the above properties is the main criteria.

Temp Range: -54°C to +260°C
Single braid of 303/304 series
of stainless steel wire



**Convuluted
PTFE Hose
PH370**

P.T.F.E. hose has an excellent high & low temperature characteristics, Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Applications where all or one of the above properties is the main criteria in automotive, chemical, pharmaceutical & food processing, plastic & rubber moulding machines.

Temp Range: -54°C to +260°C
Single braid of 304/316 series
of stainless steel wire



PH149 - R8

Highpressure Hydraulic Lines 100 to 420 bar. Compact, high pressure, light weight and low change in length. Suitable for hydraulic application with increased resistance to abrasion. For use with petroleum, synthetic or water based fluids in hydraulic systems.

Temp Range: -40°C to +100°C
Reinforcement: 1 or 2 braid
of Aramid fibre



**SEWER JET
PH302 - 3000 PSI**

Standard Sewer Cleaning vehicles and cleaning equipments, Heavy duty construction for optimum cut and wear resistance. Bonded tube and cover. Available in long lengths with a special cover, resistant to microbiological degradation. Lightweight compared to conventional rubber alternatives and increased lifetime.

Temp Range: -40°C to +60°C
1 or 2 braids of synthetic fibre
plus one special extra braid

Drain, Sewer cleaning Equipment & nozzles



Euro Pumps New heavy duty drain cleaner on a solid stainless frame, with locking handle, infeed swivel & ball valve shut o . Available in ½ and 1/4 inch hose and in your choice of 25, 33, 50 75 & 100m lengths.



½" Drain Cleaner



1/4" Drain Cleaner

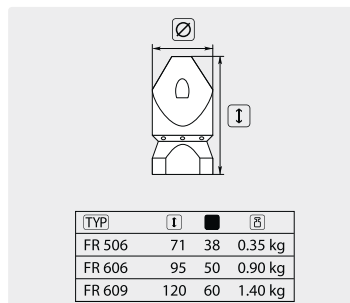


Locking Handle



Swivel & Valve

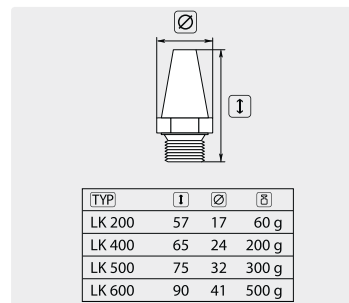
Milling type FR . 250 bar *



Stainless steel. 3 sharp cutting edges provide excellent milling effect. 3 or 4 jets to front. Pressure max. 250 bar. Applications: completely blocked pipes. Delivery time of approx. 3 - 4 weeks

R+M Nr.	TYP	⊖*	⊙	rear jet	front jet	(R)
652 300 04	FR 506	90 - 180	3/4" F	6	4 (M4)	from 8 cm
652 300 05	FR 606	200 - 360	1" F	6	4 (M6)	from 12 cm
652 300 06	FR 609	200 - 360	1" F	9	4 (M6)	from 20 cm

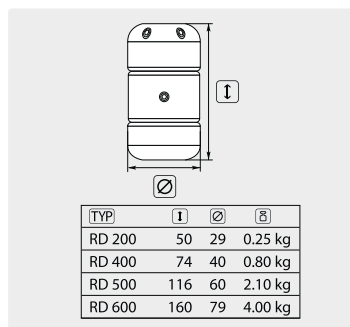
Cone shape nozzles LK . 500 bar *



Stainless steel. Extremely high impact force. Long reach. Pressure max. 500 bar. Applications: cleaning of shafts. Delivery time of approx. 3 - 4 weeks

R+M Nr.	TYP	orifice Ø	⊙
652 400 01	LK 200	2 - 5 mm	1/4" M
652 400 02	LK 400	3 - 6 mm	1/2" M
652 400 03	LK 500	3 - 7 mm	3/4" M
652 400 04	LK 600	4 - 8 mm	1" M

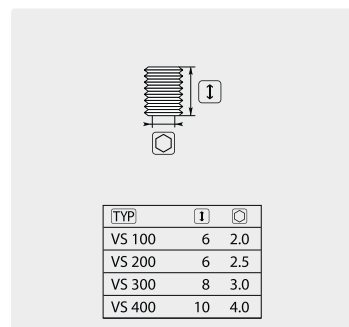
Rotating nozzles RD . 250 bar



Stainless steel. Brazen rotating body. Excellent cleaning by rotating jets. Exchangeable inserts included. Excellent pulling power by return beams specially placed. **Pressure max.250 bar.** Delivery time of approx. 3 - 4 weeks

R+M Nr.	⬛	⊖*	⊙	rear jet	front jet	(R)
652 500 01	RD 200	20 - 40	1/4" F	4	3	from 40 mm
652 500 02	RD 400	40 - 120	1/2" F	5	3	from 70 mm
652 500 03	RD 500	140 - 180	3/4" F	6	3	from 100 mm
652 500 04	RD 600	300 - 360	1" F	8	3	from 120 mm

Nozzle inserts solid stream VS . 500 bar



Stainless steel.
Pressure max. 500 bar

R+M Nr.	TYP	orifice Ø	⊙
652 600 01	VS 100	0.6 - 1.5 mm	M4
652 600 02	VS 200	0.6 - 2.0 mm	M6
652 600 03	VS 300	0.6 - 2.5 mm	M8
652 600 04	VS 400	0.6 - 3.8 mm	M10

Symbols ■ type ⊙ thread R lance ⊖ flow I weight ■ diameter I height

ST-49 nozzles for sewer cleaning

Sewer cleaning nozzles with male thread



Due to its conical front design this is the ideal solution to make its way through tight bends and traps. Ideal for hobby and semi-professional use. 3 rear jets for maximum thrust. Nozzle drillings as stepped bore for protection against mechanical impact.

Outside \varnothing 15 mm.

Brass.

Max. 210 bar / 16 l/min

R+M Nr.	G	D
121 000 360	1/4" M	035



Due to its conical front design this is the ideal solution to make its way through tight bends and traps. 3 rear jets for maximum thrust and high cleaning impact. Front jet to blast through roots and scale or de-icing. Nozzle drillings as stepped bore for best protection against mechanical impact.

Outside \varnothing 15 mm.

Stainless steel.

Max. 350 bar / 17 l/min

R+M Nr.	G	D
121 160 360	1/4" M	040



Due to its conical front design this is the ideal solution to make its way through tight bends and traps. 8 rear jets for maximum thrust and best wall coverage. Front jet to blast through roots and scale or de-icing. Nozzle drillings as stepped bore for best protection against mechanical impact. 3 rear jets for maximum thrust and best wall coverage.

Outside \varnothing 15 mm.

Stainless steel.

Max. 350 bar / 25 l/min

R+M Nr.	G	D
123 160 860	3/8" M	060



Compact and heavy construction with 3 rear jets. For standard cleaning and desilting applications. Outside \varnothing 25 mm. Stainless steel.

Max. 500 bar / 40 l/min

R+M Nr.	G	D
120 000 312	1/2" M	080



Drain cleaning nozzle suitable for use on most van and trailer mounted cleaning machines. 4 rear jets (30°) for higher thrust. Conical head for tight bends and offsets. Outside \varnothing 24.2 mm. Stainless steel.

Max. 500 bar / 45 l/min

R+M Nr.	G	D
120 110 410	1/2" M	090

Sewer cleaning nozzles with female thread



Due to its very compact design this is the ideal solution for tight elbows. 6 rear jets for maximum thrust and best wall coverage.

Outside \varnothing 22 mm.

Hardened stainless steel.

Max. 500 bar / 30 l/min

R+M Nr.	G	D
120 000 675	1/4" F	060



Due to its very compact design this is the ideal solution for tight elbows. 3 rear jets for maximum thrust and powerful cleaning impact.

Front jet to blast through roots and scale or de-icing.

Outside \varnothing 15 mm.

Hardened stainless steel.

Max. 500 bar / 17 l/min

R+M Nr.	G	D
120 155 375	1/8" F	035



Due to its conical front design this is the ideal solution to make its way through tight bends and traps.

3 rear jets for maximum thrust and powerful cleaning impact.

Front jet to blast through roots and scale or de-icing.

Outside \varnothing 22 mm.

Hardened stainless steel.

Max. 500 bar / 25 l/min

R+M Nr.	G	D
120 163 390	1/4" F	045



Due to its very compact design this is the ideal solution for tight elbows. 3 rear jets for maximum thrust and powerful cleaning impact.

Front jet to blast through roots and scale or de-icing.

Outside \varnothing 22 mm.

Hardened stainless steel.

Max. 500 bar / 30 l/min.

R+M Nr.	G	D
120 163 391	1/4" F	050

Sewer cleaning & sewer cleaning nozzles

Nozzles without centric hole

With 3 or 4 rear jets (30°) for maximum thrust and simultaneously, a flushing away of the waste material. Stainless steel.



1/8" F. Ø 15 mm. Stainless steel



1/4" F. Ø 19 mm. Stainless steel



3/8" F. Ø 24 mm. Stainless steel

D	R+M Nr.	R+M Nr.	R+M Nr.
035	650 01	651 05	
04	650 05	651 04	
045	650 00	651 00	
05		651 08	
055	650 09	651 16	
06	650 10	651 10	
07			
090	650 40	651 40	651 84
12		651 48	

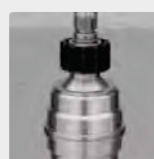
Floor cleaners, Nozzles & washing accessories



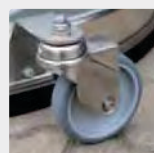
turbodevil – INDUSTRIAL

- » Especially designed for industrial cleaning applications
- » **For hot water use of up to 120 °C. 2000 r.p.m. at 5 - 120 °C**
- » Heat-resistant all around protection ensures a safe handling by protection against splashes and stones
- » The precision rotor arm is counterbalanced, precisely equilibrated and welded by robots
- » Low vibration and reliable running are guaranteed
- » Suitable for applications up to about 500 annual operation hours
- » Use of a especially high quality, **3-ball bearing swivel joint with ceramic sealing elements** for high durability and extremely long stress
- » **Castors are made of stainless steel**

Surface cleaner TD 750 INDUSTRIAL



High performance swivel joint:
For maximum stress with a longer lifetime



4 large industry castors:
To move with ease

ST-2600

LTF

We recommend using the gun ST-2600 with patented LTF technology.



Completely stainless steel. With reinforced hood and divisble fork. High performance swivel, stainless steel. Precision rotor arm welded by robots. 4 industrial castors (100 mm). 3 nozzles 1/4" M are required.
Max. 2400 l/h / 120 °C

R+M Nr.	Ø	⌀	incl.
521 075 300	750 mm	1/4" F	–
521 075 301	750 mm	3/8" F	ST-2600
521 075 302	750 mm	M22 F	–
521 075 303	750 mm	Plug KW	–

Foam equipment & accessories

Triple nozzle



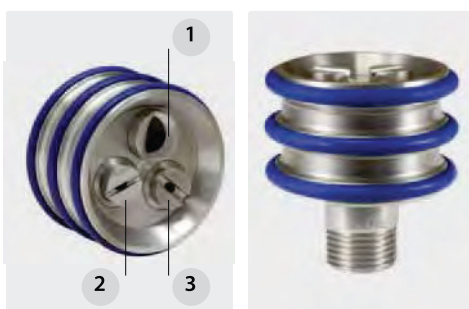
Triple nozzle holder stainless steel. By easily turning the head there are 3 nozzles selectable: foam, rinsing and disinfection in the food industry. Max. 200 bar

1 foam nozzle 50° 150

2 rinsing nozzle 25° 15

3 disinfection nozzle 60° 30

R+M Nr.	Ⓒ
657 650 0	1/2" M



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

R+M Nr.	Ⓒ
657 652 0	1/2" M



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

R+M Nr.	Ⓒ
657 651 0	1/2" M

Symbols DN nominal diameter TYP type Ⓒ inlet ⇄ length BP burst pressure P pressure Ⓜ wall thickness mm

Trolley



- » Trolley for foam units
- » Stainless steel. Trolley with two grey and non-fading wheels as well as one grey guide roll.
- » Two laterally attached lance holder
- » Sufficient space for two container with chemicals comprising up to 30 kg each.
- » H x W x D 1080 x 680 x 760 mm

R+M Nr.
200 163 390

Wall bracket



R+M Nr.
200 168 420

Foam equipment & accessories

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

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

All versions are suitable for the addition in low pressure from approx. 3 bar up to max. 350 bar.

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

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

foam them depending on the chosen nozzle.

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

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

The injector is especially designed for low and medium pressure applications from a water inlet pressure of 3 bar and it generates an excellent foam when being provided with the required quantity of compressed air.

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

The dosing is adjusted by one of the 8 nozzle inserts which are included in the consignment. The connection for chemicals is equipped with an integrated check valve.

Injectors without compressed air module



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

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

Injectors with compressed air module



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

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

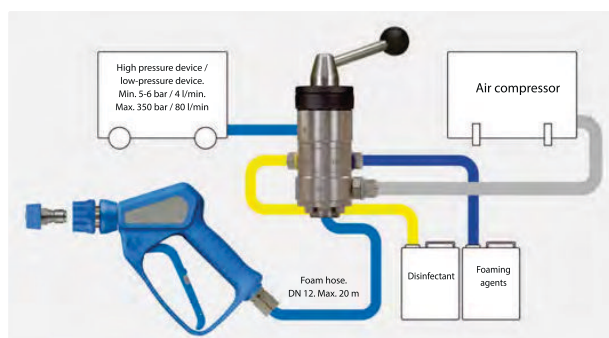
Injectors with compressed air module



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

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

injectors ST-164 with Air Compressor



injectors ST-164 without Air Compressor

