



Everything for municipal cleaning applications

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ST-2320



Professional gun. Max. 150 bar / 80 l/min / 150 °C



Professional gun. Max. 150 bar / 80 l/min / 150 °C



Professional gun. Max. 150 bar / 80 l/min / 150 °C

R+M Nr.		
202 320 500	1/4" F	1/2" F

R+M Nr.		
202 320 510	1/2" F	1/2" F

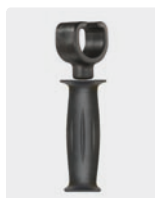
R+M Nr.		
202 320 520	1/2" F	1/2" F swivel

Grips

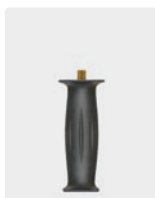
Nozzle protector

Seal kits

ST-340 swivels



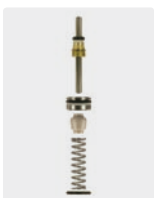
Grip for lances with moulded handle



Grip for ST-85 Push & Pull lances



ST-10. 1/4" F. Plastic. Stainless steel



Seal kit



1/4" F : 1/2" F



Repair kit ST-340

R+M Nr.
200 009 700

R+M Nr.
200 009 680

R+M Nr.
200 010 760

R+M Nr.
202 620 490

R+M Nr.
200 340 520

R+M Nr.
200 340 100

Shoulder supports



New European Union guidelines imperatively prescribe the use of shoulder supports for cleaning applications exceeding an operating pressure of 500 bar.

R+M Nr.
202 705 590

Suttner rotating nozzles ST-458.1 with ceramic insert

ST-458.1



1/4" F. Spray angle 20°. 120 - 250 bar. Max. 100 °C

Kit ST-458.1

R+M Nr.	
200 458 811	11
200 458 812	12
200 458 815	15
200 458 820	20
200 458 825	25
200 458 830	30

R+M Nr.
200 458 311
200 458 312
200 458 315
200 458 320
200 458 325
200 458 330

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ST-85 Push & Pull lances



Plug ST-3100. Lance stainless steel, vented handle ST-9 380 mm and nozzle protector ST-10 without nozzle. Variable adjustment of spraying angle from 20 to 140°. Especially designed for cleaning of places which are difficult to access. Max. 210 bar / 150 °C

R+M Nr.			
200 085 251	1/4" F NPT	600 mm	plug ST-3100
200 085 611	1/4" F NPT	850 mm	plug ST-3100
200 085 601	1/4" F NPT	1000 mm	plug ST-3100
200 085 651	1/4" F NPT	1500 mm	plug ST-3100

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Lances



Plug ST-3100. Lance stainless steel, moulded handle 300 mm, valve ST-54 aside and nozzle protector ST-10 with low pressure nozzle & thread 1/4" F. Max. 310 bar / 150 °C

R+M Nr.	ISO			
200 054 506	300 mm	1/4" F NPT	980 mm	plug ST-3100



Plug ST-3100. Lance stainless steel, moulded handle 400 mm and 1/4" M thread for rotating nozzles. Lance without rotating nozzle. Max. 400 bar / 150 °C

R+M Nr.	ISO			
200 000 521	400 mm	1/4" M	1000 mm	plug ST-3100



Plug ST-3100. Lance stainless steel, moulded handle 300 mm, valve ST-53 on top, nozzle protector ST-10 with low pressure nozzle and 1/4" M thread for rotating nozzles. Lance without rotating nozzle. Max. 250 bar / 150 °C

R+M Nr.	ISO			
200 053 537	300 mm	1/4" M	980 mm	plug ST-3100



Plug ST-3100. Lance stainless steel, moulded handle 400 mm and nozzle protector ST-10 without nozzle. Max. 400 bar / 150 °C

R+M Nr.	ISO			
200 000 522	400 mm	1/4" F NPT	1000 mm	plug ST-3100

Symbols  outlet  inlet  nozzle  length  insulation

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Suttner lances



1/2" M. Lance with grip and nozzle protector 1/4" F stainless steel without high pressure nozzle. Max. 600 bar / 150 °C

R+M Nr.	☺	↔	☺	M	R+M Nr.
203 600 400	1/4" F NPT	500 mm	1/2" M	stainless steel	
203 600 401	1/4" F NPT	800 mm	1/2" M	stainless steel	
203 600 402	1/4" F NPT	1000 mm	1/2" M	stainless steel	



1/2" M. Lance with grip for rotating nozzles ST-458.1 with 1/4" F without rotating nozzle. Max. 600 bar / 150 °C

R+M Nr.	☺	↔	☺	M	R+M Nr.
203 600 411	1/4" M	500 mm	1/2" M	stainless steel	
203 600 410	1/4" M	800 mm	1/2" M	stainless steel	
203 600 412	1/4" M	1000 mm	1/2" M	stainless steel	



1/2" M. Lance with grip and socket 1/4" F stainless steel without high pressure nozzle. Max. 500 bar / 150 °C

R+M Nr.	☺	↔	☺	M	R+M Nr.
203 002 405	1/4" F	700 mm	1/2" M	stainless steel	
203 002 420	1/4" F	1500 mm	1/2" M	stainless steel	

High pressure hoses

GOLDEN-A

- » Ideal for cleaning applications on rough floors which need to be cleaned by very non-abrasive hoses.
- » Compact hose with double brazen wire braids.
- » Interior and surface synthetic rubber.
- » Very abrasion-resistant plastic coating.
- » Particularly abrasion-, oil-, ozone-resistant and weatherproof.
- » Considerably increased durability compared to usual high pressure hoses.
- » -40 °C - +150 °C

Stainless steel

3/8" : 3/8" 1/2" : 1/2"



Standard

- » Field of application: suitable for versatile, universal applications such as industrial plants, agriculture, petrol stations etc.
- » Interior synthetic rubber. Very temperature-resistant.
- » Resistant to usual washing agents.
- » Double wire braid.
- » Surface synthetic rubber.
- » Abrasion-, oil-, ozone-resistant and weatherproof.
- » -40 °C - +150 °C

Zinc-plated steel

3/8" : 3/8" 1/2" : 1/2"

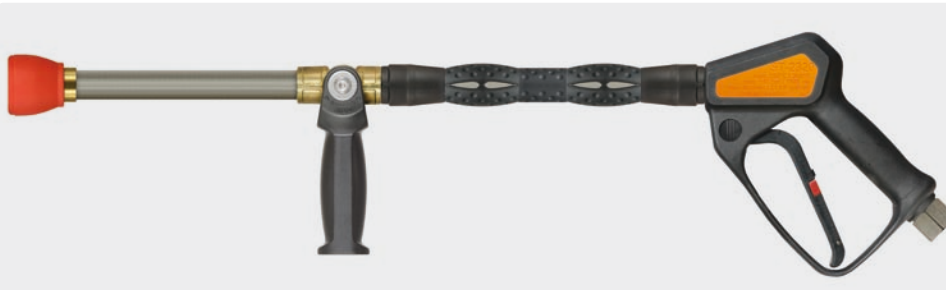


TYP	DN	P	BP	°C	↔	R+M Nr.	R+M Nr.	TYP	DN	P	BP	°C	↔	R+M Nr.	R+M Nr.
2SC	10	375 bar	>1500 bar	100 °C	10 m	355 544 310 9		2SC	10	400 bar	>1500 bar	150 °C	10 m	355 144 310	
					20 m	355 544 320 9							20 m	355 144 320	
					25 m	355 544 325 9							25 m	355 144 325	
					30 m	355 544 330 9							30 m	355 144 330	
					40 m	355 544 340 9							40 m	355 144 340	
					50 m	355 544 350 9							50 m	355 144 350	
2SC	12	310 bar	>1240 bar	100 °C	10 m		365 546 310 9	2SC	12	300 bar	>1200 bar	150 °C	10 m		365 146 310
					20 m		365 546 320 9						20 m		365 146 320
					25 m		365 546 325 9						25 m		365 146 325
					30 m		365 546 330 9						30 m		365 146 330
					40 m		365 546 340 9						40 m		365 146 340
					50 m		365 546 350 9						50 m		365 146 350

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Longcast lances

- » The longcast lance can be connected to a low pressure pump, to a high pressure pump (max. 80 bar), to the public water system and to the extinguishing water network.
- » The lance works in the medium pressure range. By means of its very good solidity, good handling and compactness the lance is especially suitable for the intensive use.
- » The lateral hand grip makes a stepless adjustment of the water jet during the operation possible. A long casting point jet or a progressive, conical spray jet can be set.
- » In order to realize ideal cleaning results the nozzle size needs to be adapted to the pump performance (pressure and water quantity).



Longcast lance 500 mm with vented handle ST-9.1 260 mm, gun ST-2320, grip aside and nozzle protector made of plastic without nozzle. Max. 80 bar / 45 l/min

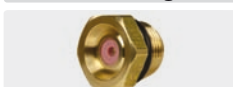
R+M Nr.		
500 200 520	nozzle protector without nozzle	1/2" F



Longcast lance 500 mm with vented handle ST-9.1 260 mm, grip aside and nozzle protector made of plastic without nozzle. Max. 80 bar / 130 l/min

R+M Nr.		
500 200 500	nozzle protector without nozzle	1/4" M

Nozzles for longcast lances



Brass. Nozzle with ceramic insert

R+M Nr.	D
500 200 112	1,2 mm
500 200 115	1,5 mm
500 200 120	2,0 mm
500 200 123	2,3 mm
500 200 125	2,5 mm
500 200 130	3,0 mm
500 200 135	3,5 mm

Suttner high pressure quick couplings ST-3100

Max. 250 bar /
150 °C



Coupling : F.
Stainless steel

Coupling : M.
Stainless steel.
60° cone

Plug : F thread.
Stainless steel

Plug : M thread.
Stainless steel.
60° cone

Washer

⊙	DN	R+M Nr.	I	R+M Nr.	I	R+M Nr.	I	R+M Nr.	R+M Nr.	TYP
3/8"	12					040 005 667	41		788 883 8	3/8"
1/2"	12	203 100 460	44	203 100 655	45	040 005 661	47	040 005 662	47	788 881 2 1/2"

Nozzles for sewer cleaning

Nozzles with centric hole



3/8" F *. ⌀ 24 mm.
Stainless steel

R+M Nr.	D
651 86	08
651 85	10

Rotating nozzles ST-49.1 without centric hole



3/8" F. ⌀ 24 mm

R+M Nr.	D
200 049 892	10
200 049 893	12
200 049 894	15
200 049 895	20

Rotating nozzles ST-49.1 with centric hole



3/8" F. ⌀ 24 mm

R+M Nr.	D
200 049 896	10
200 049 897	12
200 049 898	15
200 049 899	18

* cleaning of clogged pipes

High pressure nozzles



1/4" M NPT. Impact = 100 %

	0°	15°	25°	40°	65°
D	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
10	611 40	614 40	619 00	622 40	626 30
11	611 50	614 50	619 10	622 50	
12	611 60	614 60	619 20	622 60	
13	611 70	614 70	619 30	622 70	
14	611 75	614 75	619 35		
15	611 80	614 80	619 40	622 80	626 50
20	611 90	614 90	619 50	622 90	626 60
25	612 00	615 00	619 60	623 00	
30	612 10	615 10	619 70	623 20	626 70
35	612 50	615 20	619 75	623 25	
40	612 15	615 25	619 80	623 30	
50	612 20	615 35	619 90	623 32	

Symbols ⊙ thread ⊖ outlet ⊕ inlet ⇄ length I height M material DN nominal diameter P pressure BP burst pressure Ø diameter

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easyfoam365+ bypass injectors ST-167 without compressed air module

easyfoam365+ bypass injectors ST-167



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

R+M Nr.	D
200 167 508	2,0 mm
200 167 509	2,1 mm
200 167 510	2,2 mm
200 167 511	2,3 mm
200 167 513	2,5 mm
200 167 516	2,8 mm



1/2" F : 1/2" F : hose tail 9 mm. Injector with metering valve ST-161. Max. 350 bar / 100 °C

R+M Nr.	D
200 167 608	2,0 mm
200 167 609	2,1 mm
200 167 610	2,2 mm
200 167 611	2,3 mm
200 167 613	2,5 mm
200 167 616	2,8 mm

Accessories bypass injectors

	
M14 M. Plug	Hose tail 9 mm : M14 M. Check valve
R+M Nr.	R+M Nr.
040 003 625	200 163 350
	
Hose tail 9 mm : M14 M. Metering valve ST-161	1/4" M : M14 M. Check valve
R+M Nr.	R+M Nr.
200 161 500	200 163 355

Mounting brackets


R+M Nr.
200 168 420

easyfoam365+ injectors

Injectors ST-160



3/8" F : 3/8" M : hose tail 9 mm. Injector for applications with chemicals and foam. The chemical dosing is adjusted by 8 exchangeable nozzle inserts (0.5 - 2 mm). Max. 350 bar / 90 °C

R+M Nr.	D
200 160 535	2,0 mm
200 160 540	2,1 mm
200 160 545	2,2 mm
200 160 550	2,3 mm
200 160 560	2,5 mm
200 160 575	2,8 mm

Suction hose



Per metre. Reinforced PVC hose. Blue. DN 9. 50 m. Max. 60 °C

R+M Nr.
080 000 310

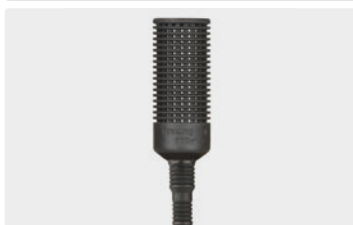
Metering valves ST-161



Hose tail 9 mm : M14 M. Metering valve ST-161 suitable for being refitted in **easyfoam365+** injectors (ST-160, ST-166, ST-167 and ST-168)

R+M Nr.
200 161 500

Suction filter ST-31



Filter without check valve. Plastic. Stainless steel weight

R+M Nr.
200 031 615

Exchangeable nozzle inserts

Nozzle inserts (0,5 - 2 mm). 8 pieces

R+M Nr.
200 163 340

foamblaster ST-76



The **foamblaster ST-76** is designed for applications in agriculture, industry, local and firefighting technology.

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

Material: stainless steel / plastic.

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

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

Max. 250 bar / 20 - 60 l/min / 100 °C

R+M Nr.	D
200 076 615	4,05 mm
200 076 621	4,65 mm
200 076 624	5,10 mm
200 076 630	5,70 mm
200 076 633	6,00 mm

Symbols  nozzle  pressure  flow

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Mud suckers

The high-performance mud sucker for all standard pressure washers

extracts stones (up to 20 mm), mud, dirt, sand, algae & sediment.
Operating pressure min. 80 bar at 7 l/min. Suction power of approx. 8,000 to 18,000 l/h. Spiral hose: DN 38 mm, length 5 m



Performance chart

1/2" M

R+M Nr.	D
545 526 5	065
545 527 0	07
545 528 0	08

high pressure cleaner

capacity of mud sucker

P	←	capacity	capacity
100 bar	10 l/min	approx. 170 l/min	approx. 10 000 l/h
150 bar	12 l/min	approx. 220 l/min	approx. 13 000 l/h
200 bar	15 l/min	approx. 300 l/min	approx. 18 000 l/h

Sprayer

Industry Line



The sprayer of the series Industry line are special devices for extraordinary difficult applications such as car wash, oil platforms or industrial cleaning applications.

They are resistant to lots of chemicals which are used in industry.

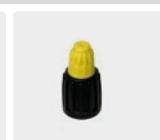
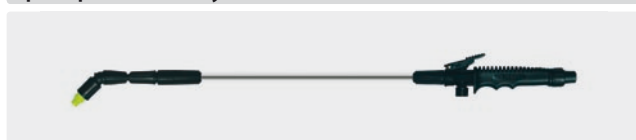
Due to the acid-resistant lance, the viton seals and the extremely durable high-pressure container the devices are designed for the most difficult cleaning applications. Safety for the user is absolutely guaranteed.

Field of application

- » Oil industry
- » Chemical industry
- » Control of epidemics
- » Workshops and factories
- » Disinfection and rat control

R+M Nr.	8	1	2	3	VPE
106 995 070	2,0 kg	470 mm	220 mm	7 l	1/4
106 995 090	2,2 kg	570 mm	220 mm	9 l	1/4
106 995 120	2,4 kg	600 mm	220 mm	12 l	1/4

Spare parts Industry Line



Telescopic lance with handle 700 - 1350 mm

Nozzle 1,5 mm

Hose 1,7 m

Seal kit

R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
106 995 500	106 995 502	106 995 501	106 995 503

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Annovi Reverberi high pressure pumps with hydraulic motor

Pump with hydraulic motor



		Pump				Hydraulic motor			
R+M Nr.	TYP	Serie	KØ	←	P	U	KW	←	P
170 216 03	HYD-XM 15.15	178	18	15 l/min	150 bar	1450	4,0	29 l/min	105 bar
170 226 94	HYD-XW 30.15	194	22	30 l/min	150 bar	1450	6,7	36 l/min	180 bar
170 216 06	HYD-XW 30.10	194	22	30 l/min	100 bar	1450	5,5	36 l/min	125 bar
170 220 87	HYD-RK 21.15	228	18	21 l/min	150 bar	1450	4,0	29 l/min	175 bar
170 216 05	HYD-RK 15.20	228	18	15 l/min	200 bar	1450	5,5	29 l/min	175 bar
170 216 04	HYD-RK 15.15	228	18	15 l/min	150 bar	1450	4,0	29 l/min	105 bar

Symbols P pressure ← flow U revolutions KW kilowatt TYP type KØ piston diameter