Foam Chart

Determine the foam components you need!

1. INJECTOR UNIT WITHOUT COMPRESSED AIR								
	name	food grade	chemical	flow rate	bypass rinse option	adjustable metering	other options	page
	ST-60.1	–		6-20 l/min	–			346
	ST-160	✓		6-60 l/min	–			347
	ST-160 ST-161	✓		6-60 l/min	–			347
	ST-166	✓		6-60 l/min	–			347
	ST-167	✓		6-80 l/min	rinse foam			355
	ST-167	✓		6-80 l/min	rinse foam		suitable for extreme conditions	355
	ST-167 ST-161	✓		6-80 l/min	rinse foam			355
	ST-164	✓		6-80 l/min	disinfection foam rinse			359
1. COMPRESSED AIR INJECTOR								
	ST-160.2	✓		4-80 l/min	–			349
	ST-160.3	✓		4-120 l/min	–			349
	ST-168	✓		4-80 l/min	rinse foam			357
	ST-168 ST-161	✓		4-80 l/min	rinse foam			357
	ST-164	✓		4-80 l/min	disinfection foam rinse			359
	ST-164	✓		4-80 l/min	disinfection foam rinse		water inlet pressure - sensitive air intake	352, 359
	ST-162	✓		4-80 l/min	rinse foam			357

2. FOAM UNIT WITHOUT COMPRESSED AIR

	name	food grade	under 25 l/min.	above 25 l/min.	foam lance	LTF tech-nology	page
	ST-2300	–	✓	–		–	202, 336, 337
	ST-2600	–	✓	–		LTF	203, 336, 337
	ST-2600	–	✓	–		LTF	337, 341
	ST-2620	–	–	✓		LTF	209, 336, 338
	ST-3500	–	–	✓		–	224, 338
	ST-2700	✓	✓	–		LTF	216, 337
	ST-3300	✓	–	–		–	218, 338

2. FOAM UNIT FOR FOAMING WITH COMPRESSED AIR

	name	food grade	under 15 l/min.	above 15 l/min.	foam lance	LTF tech-nology	page
	ST-2720	✓	✓	–		LTF	217, 326, 327
	ST-2725	✓	✓	–		LTF	217, 326, 327
	ST-3300	✓	✓	–		–	218, 326, 327
	ST-3100	✓	✓	–		–	218, 326, 327
	ST-3225	✓	✓	–		LTF	215, 326, 327

3. FOAM LANCES (WITHOUT COMPRESSED AIR)

	Name	Food Grade	Below 25 l/min.	Above 25 l/min.	Page
	ST-73.1	–	✓	✓	361
	ST-73.2 with-out foampad	–	✓	✓	362
	ST-75	–	✓	–	337
	ST-75 without foampad	–	✓	–	337
	ST-75	✓	✓	–	337
	ST-75 SS	✓	✓	–	337
	ST-75.2	–	✓	✓	338
	ST-76	–	–	✓	338
	ST-72	–	✓	–	336
	ST-175	–	✓	–	339

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

 foaming agent

 foaming agent and desinfectant

 very aggressive chemical

Suttner spray guns

ST-2700 KW



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

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

ST-2700 KW



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

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

ST-2700 KW



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

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

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

ST-2700



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

R+M Nr.	⟲	⟳
202 700 500	1/4" F	3/8" F

ST-2715



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

R+M Nr.	⟲	⟳
202 715 500	1/4" F	3/8" F

ST-2720



Professional gun with patented LTF technology. Stainless steel.
Particularly designed for high flow rates. Suitable for e.g. municipal cleaning applications.
Max. 125 bar / 80 l/min / 150 °C

R+M Nr.	⟲	⟳
202 720 500	1/4" F	3/8" F

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

Valves complete



ST-2700

R+M Nr.
202 700 490



ST-2715. Ceramic ball

R+M Nr.
202 700 445



ST-2720

R+M Nr.
202 710 490



ST-2725

R+M Nr.
202 725 490

ST-340 swivels



1/4" F : 1/2" F

R+M Nr.
200 340 050



Repair kit ST-340

R+M Nr.
200 340 100

Symbols ⟲ outlet ⟳ inlet

Suttner foam guns

ST-2725 with coupling ST-3100



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

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

ST-2725



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

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

ST-2720



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

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

ST-2720 with coupling ST-3100



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

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

ST-2620



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

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

Wall mount





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

R+M Nr.
040 002 055

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

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

Suttner foam guns

ST-3100



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

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



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

R+M Nr.	⟲	⟳
203 100 840	3/8" F	1/2" F



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

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

ST-3100



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

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

ST-340



1/2" M : 1/2" F

R+M Nr.
200 340 010

Repair kit ST-340

R+M Nr.
200 340 100

ST-3100



Seal kit

R+M Nr.
203 100 400

ST-3300



Seal kit

R+M Nr.
203 300 490

ST-3300



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

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



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

R+M Nr.	⟲	⟳
203 300 510	1/2" F	1/2" F

Lance holder



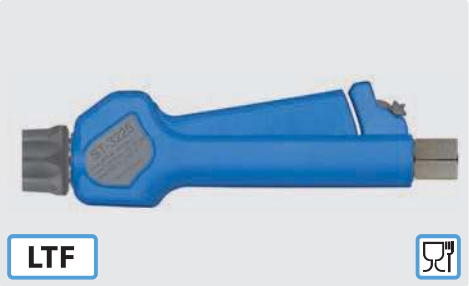
Stainless steel. Wall mount for 5 lances

R+M Nr.
040 003 830

Symbols ⟲ outlet ⟳ inlet

Suttner foam guns

ST-3225 HP



LTF

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

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



LTF

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

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



LTF

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

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

ST-3225 LP



LTF

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

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



LTF

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

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



LTF

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

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

Foam lances

Foam lance with insulated grip



ST-3100 connector. 280 mm foam lance made of stainless steel with 100 mm insulation and nozzle protection ST-11 with nozzle.
Max. 250 bar / 150 °C

R+M Nr.	D	ISO	M	↔
200 129 183	15° 20	100 mm	stainless steel	280 mm

Foam lance, bended with insulated grip



ST-3100 connector. 280 mm bended foam lance made of stainless steel with 100 mm insulation and nozzle protection ST-11 with nozzle
Max. 250 bar / 150 °C

R+M Nr.	D	ISO	M	↔
200 129 184	15° 20	100 mm	stainless steel	280 mm

ST-74 foam lances with air injector



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

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

Foam lance ST-3100



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

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

Foam Nozzle Polypropylene



Max. 45 bar / 60 °C

R+M Nr.	D			↔
203 100 920	50° 200	0.43 kg	plug ST-3100	75 mm
203 100 910	50° 200	0.42 kg	1/2" M	75 mm



Nozzle protector ST-11





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

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

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

Foam lances

Spare parts ST-3100



Plug ST-3100 with foam nozzle 50° 200

R+M Nr.
502 808



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

R+M Nr.	↕
040 005 661	47 mm



1/2" M. Brass. Foam nozzle

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



1/2" M BSP. Stainless steel. Foam nozzle

R+M Nr.	D	
500 101 3	50°	200



1/2" M NPT. Stainless steel. Foam nozzle

R+M Nr.	D	
502 803 19	50°	200

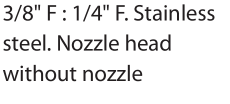


Nozzle protector

R+M Nr.
020 001 148

Spare parts nozzle head





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

R+M Nr.
200 072 491



3/8" M.
Stainless steel

R+M Nr.	D	
623 401 509	40°	150

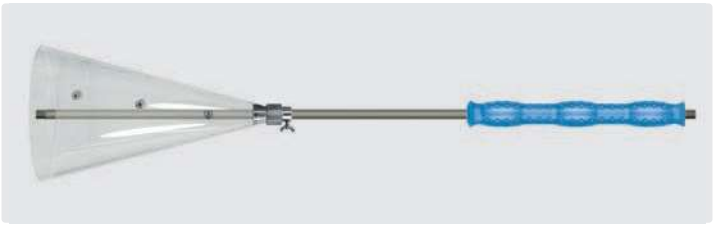


3/8" M. Stainless steel.
For lance ST-72.1 / 72

R+M Nr.	D	
120 501 204	50°	120

Splash guard

ST-29 Cool & Compact with splash guard



Lance with insulation ST-29 Cool & Compact. Pleasantly ergonomic shaped handle. Closed surface. With splash guard, adjustable with thumbscrew.
Max. 400 bar / 80 ° C

R+M Nr.	○	ISO	↔	M
200 029 350	1/4" M	300 mm	900 mm	stainless steel



PVC splash guard, with thumb screw adjustable stainless steel holder for attachment to lances.
Max. 80 ° C

R+M Nr.	⌀	
200 029 351	200	mm

Chemistry Glove Solvex®



Category III -Protection Glove AlphaTec® Solvex®37-675.
Very durable nitrile glove for use with hazardous chemicals. The reversed lozenge finish further enhances levels of grip. Cotton-flock liner to the glove

R+M Nr.	VPE		size	↔
956 067 511	1 pair	0.38	11	330 mm
956 167 511	12 pairs	0.38	11	330 mm
956 267 511	144 pairs	0.38	11	330 mm

Spare parts



Plastic.
Stainless steel

R+M Nr.
200 010 740



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

R+M Nr.
200 058 600



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

R+M Nr.
040 004 100



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

R+M Nr.
710 101 350



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

R+M Nr.
502 807

Symbols ↔ length ISO insulation D nozzle M material VPE packing unit ↕ height thickness mm ⌀ diameter ℃ temperature

Suttner high pressure quick couplings ST-3100

Couplings and plug ST-3100



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

O	DN	R+M Nr.	↔
1/4"	10	203 100 466	44 mm
3/8"	12	203 100 461	44 mm
1/2"	12	203 100 460	44 mm



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

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



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

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



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

O	DN	R+M Nr.	↔
1/4"	10	203 100 652	53 mm
3/8"	12	203 100 473	55 mm
1/2"	12	203 100 656	54 mm



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

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



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

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



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

O	DN	R+M Nr.	↔
1/4"	10	040 005 465	35 mm
3/8"	12	040 005 467	41 mm
1/2"	12	040 005 461	47 mm



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

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



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

R+M Nr.	↔
040 005 664	40 mm



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

O	DN	R+M Nr.	↔
M22	10	203 100 665	56 mm



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

R+M Nr.	↔
203 100 660	57 mm



O-ring. 15.1x2.7

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



O-ring. 18x2

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

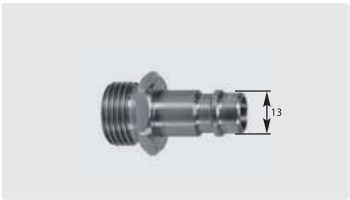
* limited stock

Couplings "B"



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

O	DN	R+M Nr.	↔
1/2"	11	710 247 212 000	35 mm



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

R+M Nr.	↔
710 247 112 100	44 mm



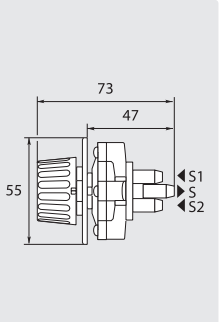
O-ring. 13x2

R+M Nr.
791 32

Metering valves

ST-66 with check valve



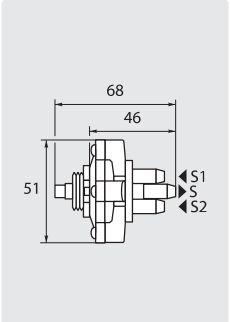


S = barb to pump. S1 = input barb 1.
S2 = input barb 2

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

ST-66 without check valve

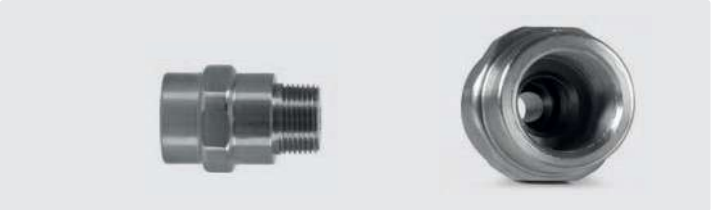




S = barb to pump. S1 = input barb 1.
S2 = input barb 2

R+M Nr.	TYP
200 066 515	without knob

Water reduction stainless steel

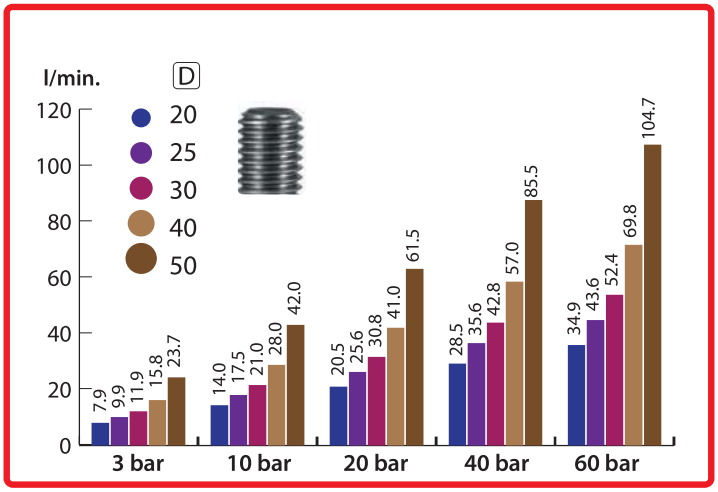


R+M Nr.	P	℃	○	↔
710 000 000 500	400 bar	150° C	1/2" M : 1/2" F	55 mm
710 000 000 550	400 bar	150° C	3/4" M : 3/4" F	55 mm



Water reduction inserts, stainless steel

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



* hole diameter in mm

Triple nozzle



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

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

R+M Nr.	⇐
657 650 0	1/2" M

Symbols DN nominal diameter TYP type ⇐ inlet ↔ length P pressure ○ thread D nozzle VPE packing unit ⌀ diameter ℃ temperature

PUReClean365+® - food hose

PUReClean365+® - Food hose according to (EG) 1935/2004, (EU) 10/2011 and (EG) 2023/2006. Designed for industrial foam applications

» Field of application: foam hose and pre-spraying hose in the food industry. Suitable for contact with liquid food products
» Suitable for water and water mixes of usual cleaning detergents
» PVC hose with three layers and a smooth surface
» Increased 1-layer rot-proof textile mesh.
» **About 20 % lighter and more flexible than comparable hose types**



PUReClean365+® 40

Female thread DKR 1/2"

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



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

Male thread (AGR) 1/2"



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

PUReClean365+® 100

Female thread DKR 1/2"

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



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

Male thread (AGR) 1/2"



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

PUReClean365+® 40 per metre

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

PUReClean365+® 100 per metre

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

PUReClean365+® 40



R+M Nr.	↔
476 356 402 59	2.5 m
476 356 410 9	10.0 m
476 356 415 9	15.0 m
476 356 420 9	20.0 m
476 356 425 9	25.0 m
476 356 430 9	30.0 m
476 356 435 9	35.0 m
476 356 440 9	40.0 m



R+M Nr.	↔
476 346 402 59	2.5 m
476 346 410 9	10.0 m
476 346 415 9	15.0 m
476 346 420 9	20.0 m
476 346 425 9	25.0 m
476 346 430 9	30.0 m
476 346 435 9	35.0 m
476 346 440 9	40.0 m

PUReClean365+® 40 per metre

R+M Nr.	DN	↔		P 20 °C	P 70 °C	BP 20 °C	
303 660 41	12	10 - 100 m	4.5	100 bar	45 bar	≥ 250 bar	0.25 kg

Symbols DN nominal diameter weight ↔ length BP burst pressure P pressure wall thickness mm

PUReClean365+® - food hose

PUReClean365+® 40

Female thread DKR 1/2"

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



R+M Nr.	↔
476 456 202 59	2.5 m
476 456 210 9	10.0 m
476 456 215 9	15.0 m
476 456 220 9	20.0 m
476 456 225 9	25.0 m
476 456 230 9	30.0 m
476 456 235 9	35.0 m
476 456 240 9	40.0 m

Male thread (AGR) 1/2"



R+M Nr.	↔
476 446 202 59	2.5 m
476 446 210 9	10.0 m
476 446 215 9	15.0 m
476 446 220 9	20.0 m
476 446 225 9	25.0 m
476 446 230 9	30.0 m
476 446 235 9	35.0 m
476 446 240 9	40.0 m

Female thread DKR 1/2"

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



R+M Nr.	↔
476 256 702 59	2.5 m
476 256 710 9	10.0 m
476 256 715 9	15.0 m
476 256 720 9	20.0 m
476 256 725 9	25.0 m
476 256 730 9	30.0 m
476 256 735 9	35.0 m
476 256 740 9	40.0 m

Male thread (AGR) 1/2"



R+M Nr.	↔
476 246 702 59	2.5 m
476 246 710 9	10.0 m
476 246 715 9	15.0 m
476 246 720 9	20.0 m
476 246 725 9	25.0 m
476 246 730 9	30.0 m
476 246 735 9	35.0 m
476 246 740 9	40.0 m

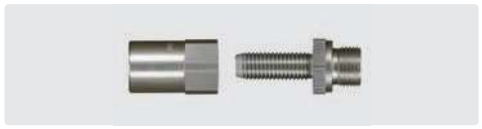
PUReClean365+® 40 per metre

R+M Nr.	DN	↔		P 20 °C	P 70 °C	BP 20 °C	
303 660 42	12	10 - 100 m	4.5	100 bar	45 bar	≥ 250 bar	0.25 kg

PUReClean365+® 40 per metre

R+M Nr.	DN	↔		P 20 °C	P 70 °C	BP 20 °C	
303 660 43	12	10 - 100 m	4.5	100 bar	45 bar	≥ 250 bar	0.25 kg

Screw fittings for PUReClean365+®



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

R+M Nr.	DN
329 412 129	12



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

R+M Nr.	DN
329 512 129	12



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

R+M Nr.	DN
329 612 129	12

PUReClean365+® - 40 food hoses with the professional flat ST-3225

new

Food Special SET

Professional **ST-3225** gun with progressive closing system and coupling ST-3100. Inlet 1/2" F swivel. Stainless steel. Max. 24.5 bar or 60 bar. Max. 120 l/min / 100 °C. with **PURe**Clean365+ 40 food hose 1/2" male thread AGR. 45 bar workingpressure at 70° C

ST-3225 / PUReClean365+ 40 blue



R+M Nr.	ST-3225 P	↔
476 046 620 91	24.5 bar	20 m
476 046 625 91	24.5 bar	25 m
476 046 630 91	24.5 bar	30 m
476 046 620 92	60 bar	20 m
476 046 625 92	60 bar	25 m
476 046 630 92	60 bar	30 m

ST-3225 / PUReClean365+ 40 yellow



R+M Nr.	ST-3225 P	↔
476 346 420 91	24.5 bar	20 m
476 346 425 91	24.5 bar	25 m
476 346 430 91	24.5 bar	30 m
476 346 420 92	60 bar	20 m
476 346 425 92	60 bar	25 m
476 346 430 92	60 bar	30 m

ST-3225 / PUReClean365+ 40 green



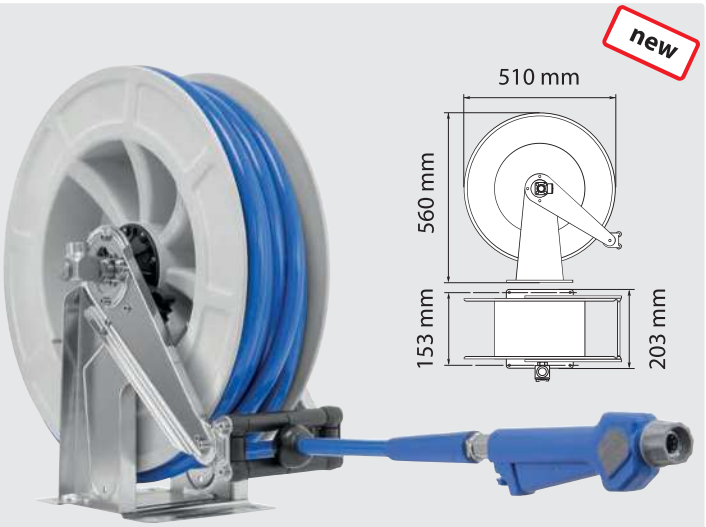
R+M Nr.	ST-3225 P	↔
476 446 220 91	24.5 bar	20 m
476 446 225 91	24.5 bar	25 m
476 446 230 91	24.5 bar	30 m
476 446 220 92	60 bar	20 m
476 446 225 92	60 bar	25 m
476 446 230 92	60 bar	30 m

ST-3225 / PUReClean365+ 40 red



R+M Nr.	ST-3225 P	↔
476 246 720 91	24.5 bar	20 m
476 246 725 91	24.5 bar	25 m
476 246 730 91	24.5 bar	30 m
476 246 720 92	60 bar	20 m
476 246 725 92	60 bar	25 m
476 246 730 92	60 bar	30 m

PUReClean365+® - 40 food hoses with automatic hose reel and ST-3225 - Food Special Set



In our online shop you will find further combinations of high-pressure hose reels with pre-assembled, high-pressure hoses!

Hose reel:
Frame made of stainless steel V2A / AISI 304. Drum made of particularly impact-resistant ABS plastic. With automatic spring return and strain relief. Equipped with the high-quality Suttner swivel joint ST-322

℃			★
90 °C	1/2" F	1/2" F	▲

Spray gun ST-3225:
Professional flat spray gun ST-3225 for the food industry with progressive closing system and coupling ST-3100

P	TYP		
24,5 bar	with locking in opened position	1/2" IG	Kupplung ST-3100
60 bar	no locking in opened position	1/2" IG	Kupplung ST-3100

PUReClean365+® 40 - high pressure food hose:
- Conform to EG-regulation Nr. 1935/2004 nd Nr. 10/2011
- Field of application: foam hose and pre-spraying hose in the food industry. Suitable for contact with liquid food products
- Suitable for water and water mixes of usual cleaning detergents
- PVC hose with three layers and a smooth surface
- Increased 1-layer rot-proof textile mesh.
- **About 20 % lighter and more flexible than comparable hose types**

DN	P	↔
12	45 bar / 70 °C	24 m

PUReClean365+® blue



R+M Nr.		P
763 532 001	1/2" M	45 bar



R+M Nr.	P gun	P
763 532 005	24,5 bar	24,5 bar
763 532 009	60 bar	45 bar

PUReClean365+® yellow



R+M Nr.		P
763 532 003	1/2" M	45 bar



R+M Nr.	P gun	P
763 532 006	24,5 bar	24,5 bar
763 532 010	60 bar	45 bar

PUReClean365+® green



R+M Nr.		P
763 532 004	1/2" M	45 bar



R+M Nr.	P gun	P
763 532 007	24,5 bar	24,5 bar
763 532 011	60 bar	45 bar

PUReClean365+® red



R+M Nr.		P
763 532 002	1/2" M	45 bar



R+M Nr.	P gun	P
763 532 008	24,5 bar	24,5 bar
763 532 012	60 bar	45 bar

Symbols ★ marking ⇥ inlet ⇤ outlet DN nominal diameter P pressure ↔ length ⚖ weight TYP type ℃ temperature ↕ height

blufood® - food hose

blufood® - Food hose according to (EC)2002/72, (EU) 10/2011, (EG) 1935/2004 and (EG) 2023/2006. Designed for industrial foam applications
» Field of application: foam hose and pre-spraying hose in the food industry. Suitable for contact with liquid food products
» Suitable for water and water mixes of usual cleaning detergents
» PVC hose with five layers and a smooth surface
» Reinforcing by twofold textile meshwork
» -20 °C - +70 °C

Female thread DKR 1/2"



Fittings stainless steel

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

Male thread (AGR) 1/2"



Fittings stainless steel

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

ST-3100 Coupling : Plug



Coupling ST-3100 : plug ST-3100

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

blufood® per metre

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

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

Screw fittings for blufood®



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

R+M Nr.	DN
329 012 129	12



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

R+M Nr.	DN
329 112 129	12



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

R+M Nr.	DN
329 312 129	12

Fittings for blufood®



Detachable fitting.
3/4" F. Stainless steel.
Max. 15 bar

R+M Nr.	DN	↔
574 734 009	19	49



Hose barb 3/4" M.
60° cone. Stainless steel.
Max. 15 bar

R+M Nr.	DN
711 341 909	19

Hose clamps

Heavy duty clamp

Heavy duty clamp completely stainless steel X5CrNi1810. According to DIN 1.4301/AISI 304







Clamp with hexagon bolt. W4. ↕ 20 mm

R+M Nr.	VPE	⌀
736 029 401	1	29 - 31 mm

R+M Nr.	VPE	⌀
736 032 401	1	32 - 35 mm

Symbols DN nominal diameter ⌇ wall thickness BP burst pressure ⌀ diameter ⚖ weight VPE packing unit

Foodjet - food hose with textile meshwork

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

» Field of application: cleaning hose designed for the poultry processing industry

» Suitable for: oil, water, water-in-oil emulsion and water mixes with up to 50 % detergent

» Surface synthetic rubber. Particularly abrasion-, oil-, ozone-resistant and weatherproof.

» Interior synthetic, oil-resistant rubber

» 1 tight textile meshwork

» **Max. 80 bar**. Burst pressure > 240 bar.
-40 °C - +150 °C

Female thread DKR 1/2"



Fittings stainless steel

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

Male thread (AGR) 1/2"



Fittings stainless steel

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

Male thread (AGR) 1/2" : DKR 1/2"



Fittings stainless steel

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

Foodjet per metre

DN 12

R+M Nr.	↔
303 60	10 - 95 m

Foodjet 1500 - food hose with textile meshwork

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

» Field of application: cleaning hose designed for the poultry processing industry

» Suitable for: oil, water, water-in-oil emulsion and water mixes with up to 50 % detergent

» Surface synthetic rubber. Particularly abrasion-, oil-, ozone-resistant and weatherproof.

» Interior synthetic, oil-resistant rubber

» 1 tight textile meshwork

» **Max. 125 bar.** Burst pressure > 375 bar.
-40 °C - +150 °C

Female thread DKR 1/2"



Fittings stainless steel

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

Fittings zinc-plated steel

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

Male thread (AGR) 1/2"



Fittings stainless steel

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

Fittings zinc-plated steel

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

Male thread (AGR) 1/2" : DKR 1/2"



Fittings stainless steel

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

Fittings zinc-plated steel

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

Foodjet 1500 per metre

DN 12

R+M Nr.	↔
303 601 500	70 - 100 m

Symbols ↔ length ⊂ inlet ⊃ outlet ISO insulation M material

Foam lances

Lances with female thread



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

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

R+M Nr.



1/4" M. Lance. Max. 400 bar / 150 °C

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

R+M Nr.

Rubber protected ball valves



Stainless steel.
Max. 60 bar / 95 °C

R+M Nr.		
500 155	1/2" F	ST-3100



Stainless steel.
Max. 60 bar / 95 °C

R+M Nr.		
500 150	1/2" F	1/2" F



Stainless steel.
Max. 60 bar / 95 °C

R+M Nr.		
500 160	1/2" F	1/2" F



ST-3100. Stainless steel.
Max. 60 bar / 95 °C

R+M Nr.		
203 100 250	1/2" F	1/2" F



ST-3100. Stainless steel.
Max. 60 bar / 95 °C

R+M Nr.		
203 100 260	1/2" F	ST-3100

Ball valves



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

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



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

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

Foam lances

ST-72 foam lances with air injector



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

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

R+M Nr.	D *	←	C **	↔
200 072 610	2.3 mm	< 20 l/min	yellow	1200 mm
200 072 620	3.2 mm	> 26 l/min	red	1200 mm

ST-72.1 foam lances with air injector



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

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

R+M Nr.	D *	←	C **	↔
200 072 634	2.0 mm	< 15 l/min	green	1,200 mm
200 072 626	2.3 mm	< 20 l/min	yellow	1,200 mm

* air injector ** nozzle protector

Symbols ↔ length D nozzle ← flow C colour ⌀ diameter VPE packing unit M material ⇆ inlet

Foam head ST-75

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





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

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



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

R+M Nr.	⌀ *	G
200 075 578	1.05	1/4" F
200 075 579	1.10	1/4" F
200 075 574	1.20	1/4" F
200 075 576	1.35	1/4" F
200 075 577	1.45	1/4" F
200 075 572	1.60	1/4" F
200 075 575	1.75	1/4" F
200 075 573	1.90	1/4" F
200 075 580	2.10	1/4" F



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

R+M Nr.	⌀ *	G
200 075 559	1.05	1/4" F
200 075 554	1.20	1/4" F
200 075 555	1.35	1/4" F
200 075 556	1.45	1/4" F
200 075 552	1.60	1/4" F
200 075 558	1.70	1/4" F
200 075 553	1.90	1/4" F



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

R+M Nr.	⌀ *	G
200 075 564	1.35	1/4" F
200 075 562	1.60	1/4" F
200 075 563	1.90	1/4" F



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

R+M Nr.	⌀ *	G
200 075 512	1.60	M18 F
200 075 513	1.90	M18 F



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

R+M Nr.	⌀ *	G
200 075 570	1.60	M18 F
200 075 571	1.90	M18 F



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

R+M Nr.	⌀ *	G
200 075 550	1.60	M18 F
200 075 551	1.90	M18 F



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

R+M Nr.	⌀ *	G
200 075 560	1.60	M18 F
200 075 561	1.90	M18 F



Air injector nozzle

R+M Nr.	⌀ *	D
200 075 401	1.05	03
200 075 402	1.10	035
200 075 403	1.20	04
200 075 405	1.35	05
200 075 425	1.40	055
200 075 406	1.45	06
200 075 409	1.50	065
200 075 427	1.55	07
200 075 407	1.60	075
200 075 408	1.70	08
200 075 410	1.90	10
200 075 413	2.10	13
200 075 415	2.30	15
200 075 420	2.65	20



Stainless steel. ST-75.1 with nozzle and without foam pad.
Max. 350 bar / 60 °C

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



Brass. ST-75.1 without nozzle and without foam pad.
Max. 350 bar / 60 °C

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



Brass. ST-75.1 without nozzle and without foam pad.
Max. 350 bar / 60 °C

R+M Nr.	G
200 075 486	M18 F



Foam pad

R+M Nr	VPE
540 500 09	1
540 500 10	10
540 500 11	100



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

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



O-ring. 10x2. Viton

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

* hole diameter in mm
** nozzle size in mm

Long cast foam head ST-75.2





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

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

foamblaster ST-76

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

There are injector nozzles with diameters of up to 2.8 mm for high flow rates available for all **easy**foam365+ 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 **easy**foam365+ injector unit.
Min. 30 bar for use with water / foamagent premix.

Max. 250 bar / 20 - 60 l/min / 100 °C



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

Micro Droplets Nozzle Holder

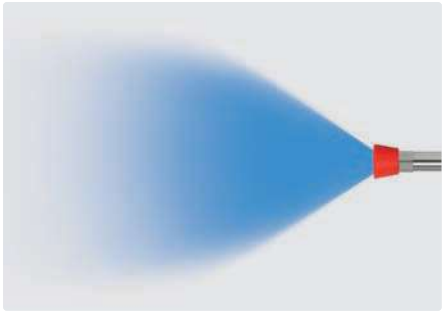
Fields of application:
Disinfection, humidification, cooling, dust suppression, decontamination, odor control in agricultural, food and construction industry, defence and firefighting technology, car washing and detailing



ST-78. Stainless steel

R+M Nr.	⇦
200 078 830	1/4" F

functioning of Micro Droplets Nozzle Holder



progressive, conical spray jet

Nozzles for Micro Droplets Nozzle Holder



M15x1 M. Stainless steel

R+M Nr.	D
200 078 412	1.2 mm
200 078 415	1.5 mm
200 078 420	2.0 mm
200 078 423	2.3 mm
200 078 425	2.5 mm
200 078 430	3.0 mm
200 078 435	3.5 mm

Symbols ⇦ inlet D nozzle ↔ length ⌀ diameter

ST-175 Foam & Clean

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

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

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

Due to ST -175's changeable air injector nozzles the lance can be driven with all pressure washers with flow rates from 5 to 25 l /min. Nozzles with integrated jet former are required (page 337).



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

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



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

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



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

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



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

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



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

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



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

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

Carwash low pressure foam lances

new

LTF



Professional low pressure foam lance with patented LTF technology. Gun ST-2620 with 300 mm insulated lance and nozzle protection ST-10 with low-pressure nozzle 9040. Max. 125 bar / 80 l / min / 150 ° C

R+M Nr.		TYP	
202 620 906	Low pressure nozzle 9040	Standard	1/2" F swivel

new

LTF

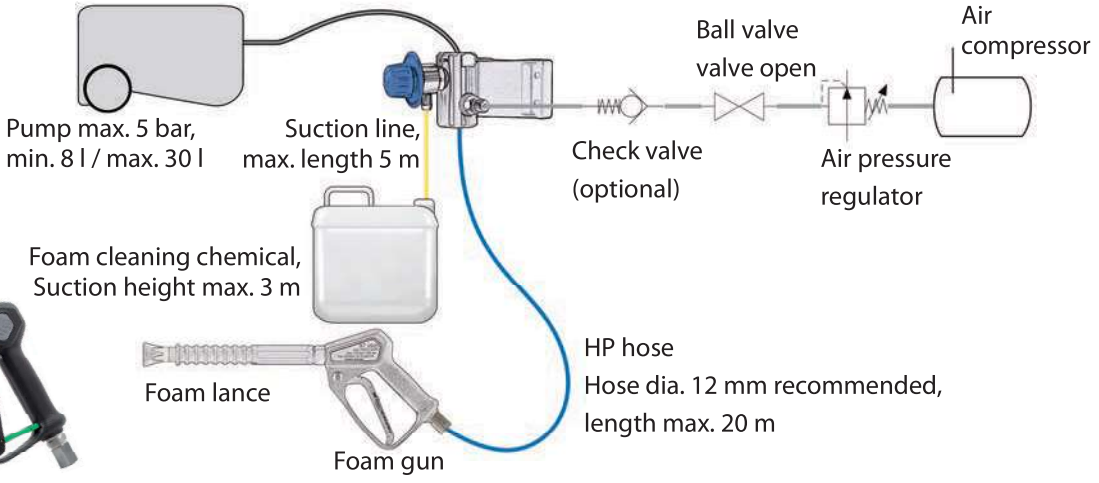


Professional low pressure foam lance with patented LTF technology. Gun ST-2620 with 300 mm insulated lance and nozzle protection ST-10 with low-pressure nozzle 9040. Max. 125 bar / 80 l / min / 150 ° C

R+M Nr.		TYP	
202 620 905	Low pressure nozzle 9040	Weep	1/2" F swivel

Sample application
Carwash low pressure
Foam lance:
4 bar water pressure
3 bar compressed air addition
and 3% foam cleaning
chemicals via dosing pump





easywash365+ foam lances



LTF

Foam lance with **easy**wash365+ gun standard, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

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



LTF

Foam lance with **easy**wash365+ gun, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

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



LTF

Foam lance with **easy**wash365+ gun, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

R+M Nr.	⟲	TYP	⟶
202 600 963	foam head ST-75 (1.05 mm)	freeze stop version	3/8" F swivel.
202 600 929	foam head ST-75 (1.20 mm)	freeze stop version	3/8" F swivel.
202 600 930	foam head ST-75 (1.35 mm)	freeze stop version	3/8" F swivel
202 600 995	foam head ST-75 (1.70 mm)	freeze stop version	3/8" F swivel
202 600 919	foam head ST-75 (1.90 mm)	freeze stop version	3/8" F swivel

Valves complete - easywash365+



Standard

R+M Nr.
202 300 490



Weep

R+M Nr.
202 300 491



Freeze stop

R+M Nr.
202 300 457

ST-301 swivels



1/4" F : 3/8" F. **easy**wash365+ guns

R+M Nr.
200 301 050



Repair kit ST-301

R+M Nr.
200 300 100

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

Symbols ⟶ inlet ⟲ outlet TYP type

easywash365+ foam sets

By introducing the universally applicable **easy**wash365+ foam sets we succeeded in enlarging the application possibility of our foam injector family.

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

The connection from injector unit to the high pressure foam lance is realized by an optionally high pressure hose of up to a length of 40 m. The already existing spraying unit is used for cleaning and rinsing works. Enormous savings of both cleaning agent and time can be achieved as the foam lance has cleaning agent immediately available without switching at the unit or change of equipment.

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



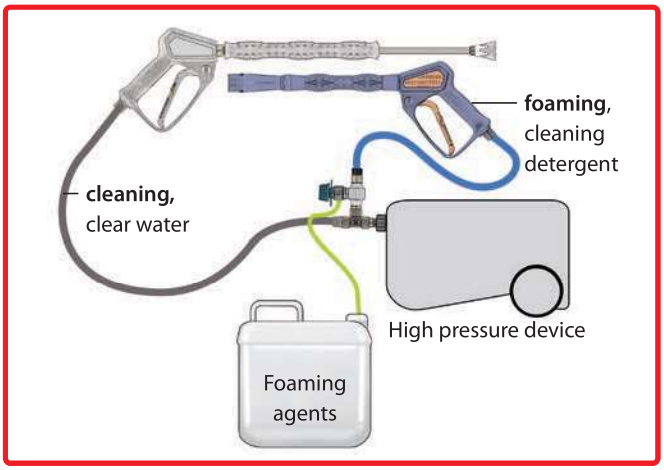
easywash365+ foam set: **easy**wash365+ foam lance standard with foam head ST-75, injector ST-160 (M22 F and 2 x M22 M) with metering valve ST-161, suction hose 1000 mm and suction filter ST-32. Max. 310 bar / 90 °C

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



easywash365+ foam set: **easy**wash365+ foam lance standard with foam head ST-75, injector ST-160 (Coupling ST-45-250 nickel-plated brass, plug ST-45-250 zinc-plated steel and M22 M) with metering valve ST-161, suction hose 1000 mm and suction filter ST-32. Max. 250 bar / 90 °C

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



Adapter connection ST-160



Brass. For connecting the ST-160 to the pump head for hobby high-pressure cleaner with hose reel

R+M Nr.		
010 003 080	1/4" F	M18 M

easywash365+ foam sets



easywash365+ foam set: **easy**wash365+ spray gun, lance and brush with **turbo**foam365+ air injector by Suttner and injector ST-160 (M22 F and 2 x M22 M) with metering valve ST-161, suction hose 1,000 mm and suction filter ST-32. Max. 310 bar / 90 °C

R+M Nr.	⟲	↔ lance and brush	⟳
502 600 100 000	lance and brush with **turbo**foam365+ air injector (1.9 mm)	900 mm	3/8" F swivel
502 601 100 000	lance and brush with **turbo**foam365+ air injector (1.9 mm)	1,200 mm	3/8" F swivel

The following hoses are highly recommended for easywash365+ foam sets

QSC : male thread

M22 : 3/8"



Hoses with single wire braid and ***wrapped*** cover

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

Symbols ⟳ inlet ⟲ outlet DN nominal diameter P pressure ℃ temperature ↔ length TYP type

turbofoam365+ lances by Suttner

easywash365+ spray gun, lance and brush with **turbo**foam365+ air injector by Suttner

- » Especially soft cleaning with very soft hog bristles with forked ends
- » Cool & Compact insulation for a comfortable use
- » Ergonomic handling by means of the well-tried **easy**wash365+ spray gun with LTF-technology
- » Available in 2 length: 900 and 1,200 mm
- » Brush with injector is also available as retrofit kit
- » **easy**wash365+ spray gun is obtainable as standard, weep or freeze stop version
- » Lance swivel ST-345 is optionally available
- » Not suitable for powder chemicals





TÜV NORD CERT GmbH – Made in Germany



Retrofit kit for lances. Air injector **turbo**foam365+ and brush with cover plate. 20-150 bar. Max. 50 °C

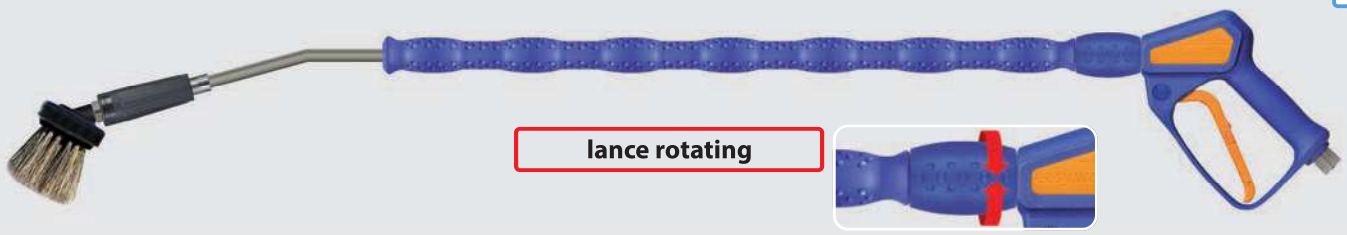
Bristles 60 mm

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

Bristles 90 mm

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

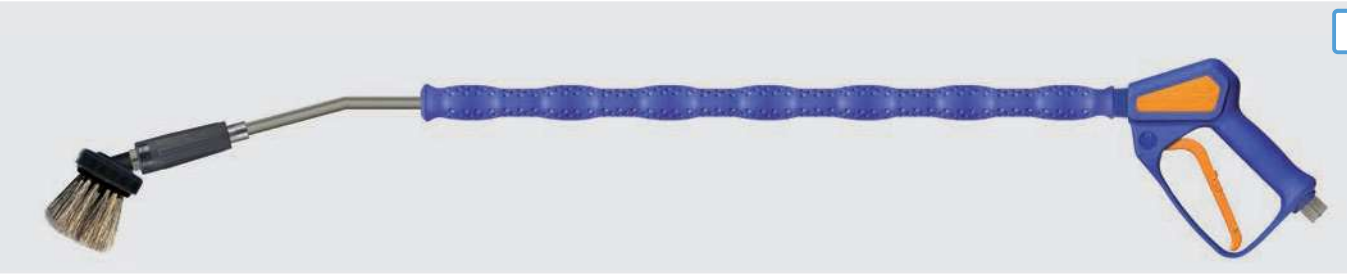
LTF



Lance with moulded insulation Cool & Compact, **easy**wash365+ spray gun, **easy**wash365+ lance swivel, air injector **turbo**foam365+ and brush (bristles 60 mm). 20-150 bar. Max. 50 °C

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

LTF



Lance with moulded insulation Cool & Compact, **easy**wash365+ spray gun, air injector **turbo**foam365+ and brush (bristles 60 mm). 20-150 bar. Max. 50 °C

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

ST-230
Pressure regulating valve-set



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

R+M Nr.	⊂	⊃
530 404 1	M22 M	M22 F

Suttner chemical suction set



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

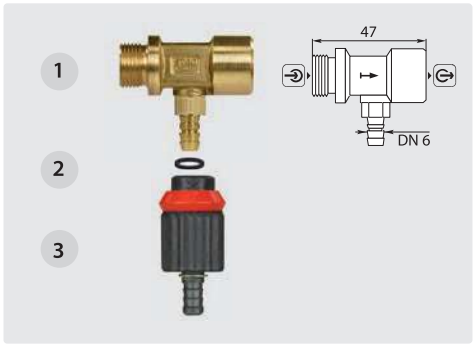
R+M Nr.	TYP	DN
200 031 500	clear PVC hose	6 mm
200 031 510	reinforced PVC hose blue	9 mm
200 031 520	reinforced PVC hose yellow	9 mm
200 031 530	reinforced PVC hose clear	9 mm



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

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

Suttner foam injectors



Max. 250 bar / 60 °C.
Mixing of chemicals approx. 0 - 11.5 %

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

Repair kits



Chemical check valve. Hose tail 6 mm

R+M Nr.
200 060 725

Hose clamps

1.4016 stainless steel housing and band.
Hexagon screw zinc-plated. Worm gear high tension.
Flat tape inner sides with turned up rims.
According to DIN 3017, W2



Clamps with hexagon screw. ↕ 9 mm

R+M Nr.	VPE	DN
735 10	1	6 mm
735 20	1	8 mm
735 30	1	9/10 mm

R+M Nr.	VPE	DN
735 101 00	100	6 mm
735 201 00	100	8 mm
735 301 00	100	9/10 mm

W4 and W5 completely rust-free, is available on request

Symbols ⊂ inlet ⊃ outlet ↔ length ISO insulation P pressure VPE packing unit

Suttner foam injectors

ST-60.1

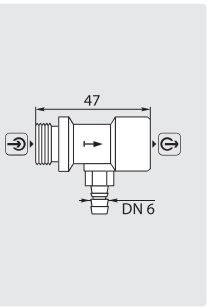


Coupling ST-45-250 : plug ST-45-250. Injector with metering valve, suction hose 1,000 mm and suction filter ST-31. Max. 250 bar / 60 °C

R+M Nr.	D
200 060 750	1.6 mm

ST-60.1





Injector without metering valve.
Max. 250 bar / 60 °C

R+M Nr.			D
200 060 700	3/8" M	3/8" F	1.6 mm
200 060 710	3/8" M	3/8" F	1.8 mm

ST-60.1



M22 F : M22 M. Injector with metering valve, suction hose 1,000 mm and suction filter ST-31. Max. 250 bar / 60 °C

R+M Nr.	D
200 060 760	1.6 mm

Metering valves



Valve for Suttner injector. Hose tail 6 mm

R+M Nr.
050 000 370 **1**
200 061 500 **2**

Repair kits



Chemical check valve. Hose tail 6 mm

R+M Nr.
200 060 725

The suitable foam lances are presented on pages 326- 336.

Intake filter for chemicals



DN 6 mm. ST-32. Brass

R+M Nr.	⌀	↕
200 032 800	20	32



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

R+M Nr.	⌀	↕
200 032 600	19	39



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

R+M Nr.	⌀	↕
200 031 600	20	75



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

R+M Nr.	⌀	↕
200 031 615	20	75



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

R+M Nr.	⌀	↕
200 031 610	20	75



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

R+M Nr.	⌀	↕
200 031 611	20	75

Symbols ⟲ outlet ⟳ inlet D nozzle ↕ height ⌀ diameter ⚖ weight

easyfoam365+ injectors by Suttner

Injectors ST-160



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

R+M Nr.	D
200 160 498	1.1 mm
200 160 499	1.2 mm
200 160 500	1.3 mm
200 160 505	1.4 mm
200 160 510	1.5 mm
200 160 515	1.6 mm
200 160 520	1.7 mm
200 160 525	1.8 mm
200 160 530	1.9 mm
200 160 535	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



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

R+M Nr.	D
200 160 599	1.1 mm
200 160 600	1.2 mm
200 160 601	1.3 mm
200 160 602	1.4 mm
200 160 603	1.5 mm
200 160 604	1.6 mm
200 160 605	1.7 mm
200 160 606	1.8 mm
200 160 607	1.9 mm
200 160 608	2.0 mm
200 160 609	2.1 mm
200 160 610	2.2 mm
200 160 611	2.3 mm
200 160 613	2.5 mm
200 160 614	2.8 mm

Injectors ST-166



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

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

Valve lock





Valve lock for metering valve ST-161

R+M Nr.
040 003 566

easyfoam365+ injector unit ST-160



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

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

Wall brackets for canisters

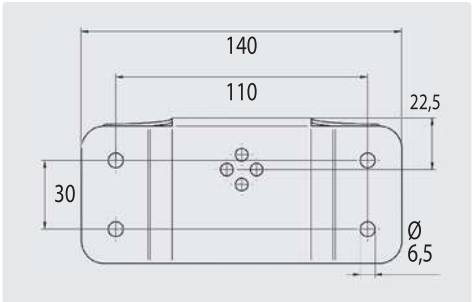


Stainless steel.
Mounting holes 8.5 mm

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

ST-160 wall mount





Stainless steel. Incl. fastening material for the injector.
Fits for ST-160+161 and 166

R+M Nr.
200 160 160

easyfoam365+ injectors

Injectors ST-160 with metering valve ST-161



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

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



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

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



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

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

Injectors ST-160



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

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

easyfoam365+ bypass injectors ST-167



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

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



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

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

Reference list manufacturer number to R+M number A

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

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

Symbols D nozzle

easyfoam365+ foam injector ST-160.2

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

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

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



easyfoam365+

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

easyfoam365+ foam injector ST-160.3

ST-160.3 – injector for large water quantities and high dosages

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

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

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

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

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

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



easyfoam365+

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

Symbols D nozzle C colour inlet outlet

Intake manifold

easyfoam365 + **Intake manifold ST-163.1**

new



Intake manifold for **easy**foam365 + injectors.
4 color-coded suction options. Control by turning the rotating part.
Including O-ring and 4 sets of dosing nozzles

R+M Nr.	D
200 163 185	4 sets of dosing nozzles

new

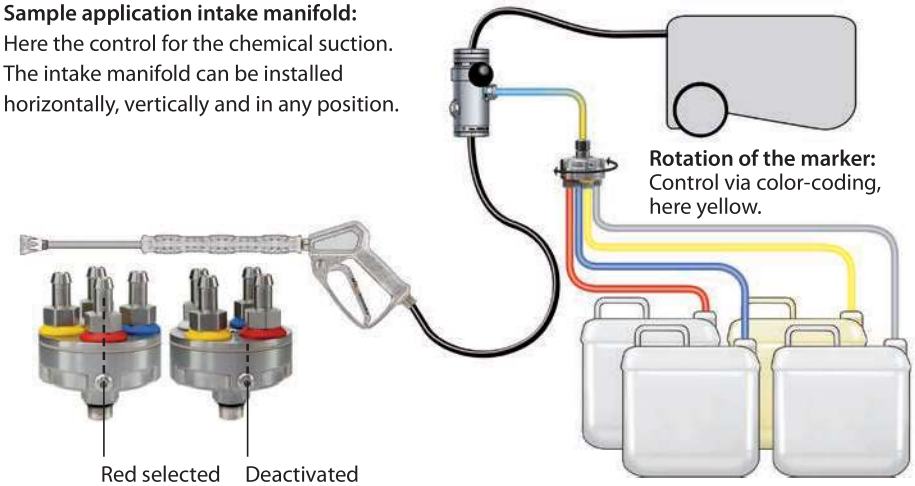




Repair-Kit

R+M Nr.
200 163 187

Sample application intake manifold:
Here the control for the chemical suction.
The intake manifold can be installed horizontally, vertically and in any position.



Rotation of the marker:
Control via color-coding, here yellow.

Red selected Deactivated

Deactivation of the suction when the marking is in the middle between two nozzles.

Rotation of the marker:
Control via color-coding, here red.

Direct connection to ST-167/168: Use 200 163 186 adapter.

Intake manifold ST-163.1 accessories

new



Stainless steel wall bracket for intake manifold

R+M Nr.
040 004 013

new



Stainless steel hose barb for intake manifold.
Also for mounting on the wall bracket

R+M Nr.
040 003 590



new



Stainless steel adapter for intake manifold.
Incl. O-ring. For mounting on the **easy**foam365 + injectors ST-167 / ST-168

R+M Nr.
200 163 186

Symbols D nozzle

Accessories injectors

Return valves



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

R+M Nr.
200 163 350



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

R+M Nr.
200 163 356



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

R+M Nr.
200 164 366



O-rings

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



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

R+M Nr.
200 163 351



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

R+M Nr.
200 163 352



O-rings.
Highest chemical resistance

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

Plug



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

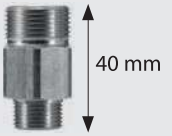
R+M Nr.
040 003 625



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

R+M Nr.
200 164 345

Ultra High Pressure Filter





Stainless steel with brass mesh holder and stainless steel strainer. Suitable as inlet water filter for ST-164. Max. 400 bar / 100 °C

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

Two component inlet



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

R+M Nr.
200 164 355



Rep. Kit. 2 x 2 O-rings

R+M Nr.
200 164 365

Accessories injectors

Metering valves ST-161



Hose tail 9 mm : M14 M. Metering valve ST-161 suitable for being refitted in **easy**foam365+ injectors (ST-160/ST-162/ST-164/ST-166/ ST-167/ST-168)

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



Hose tail 9 mm : M14 M. Metering valve ST-161 suitable for being refitted in **easy**foam365+ injectors (ST-160/ST-162/ST-164/ST-166/ ST-167/ ST-168)

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



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

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

Compressed air module ST-163



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

R+M Nr.
200 163 450



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

R+M Nr.
200 163 451

Compressed air module ST-164



1/4" F : M18 M. Compressed-air module (ST-164) for automatic shut-off of compressed-air supply when water supply is switched off

R+M Nr.
200 164 370

Ring for suction marking



Plastic. Grey.
For compressed air

R+M Nr.
020 005 108



Plastic. Red.
For foaming agents

R+M Nr.
020 005 101



Plastic. Blue.
For foaming agents

R+M Nr.
020 005 100



Plastic. Yellow.
For disinfectant

R+M Nr.
020 005 105

Accessories injectors

Exchangeable nozzle inserts



Stainless steel V2A. Excl. o-rings

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



Stainless steel V4A. Excl. o-rings

R+M Nr.	D	VPE
040 004 803	0.30 mm	1
040 004 813	0.35 mm	1
040 004 804	0.40 mm	1
040 004 805	0.50 mm	1
050 001 450	o-ring	1



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

R+M Nr.
200 163 340



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

R+M Nr.
200 163 335

Diffusor nozzles



Stain. steel. Diffusor nozzle screwable

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

Injector nozzles



Stain. steel. Injector nozzle screwable

R+M Nr.	D
040 003 641	1.1
040 003 642	1.2
040 003 643	1.3
040 003 644	1.4
040 003 645	1.5
040 003 646	1.6
040 003 647	1.7
040 003 648	1.8
040 003 649	1.9
040 003 650	2.0
040 003 651	2.1
040 003 652	2.2
040 003 653	2.3
040 003 654	2.4
040 003 655	2.5
040 003 656	2.6
040 003 657	2.7
040 003 658	2.8



Stain. steel. Injector nozzle plug-in

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

Pressure regulator



1/4" F. 0.5 -10 bar. 1/8" F pressure gauge. Connection for compressed air (ST-164 and ST-168)

R+M Nr.
150 008 010

Metering valves



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

R+M Nr.
200 163 300

Operating cylinder



ST-167 / ST-168. Stainless steel

R+M Nr.
200 168 491

Seal kit for operating cylinder



Operating cylinder. FEPM

R+M Nr.
200 168 489

Repair Kit ST-164



Kit ST-164

R+M Nr.
200 164 490

Repair Kit ST-164



Kit for stopper ST-164

R+M Nr.
200 164 485

Symbols D nozzle VPE packing unit C colour

Accessories injectors

Reinforced PVC hoses clear



For compressed air or chemicals.
Max. 60 °C

Per metre

R+M Nr.	DN	
306 55	9	3

Complete rolls

R+M Nr.	DN	↔	
306 550 50	9	50 m	3

Reinforced PVC hoses blue



For foaming agent. Blue.
Max. 60 °C

Per metre

R+M Nr.	DN	
080 000 310	9	3

Complete rolls

R+M Nr.	DN	↔	
306 560 50	9	50 m	3

Reinforced PVC hoses yellow



For desinfectant. Yellow.
Max. 60 °C

Per metre

R+M Nr.	DN	
080 000 320	9	3

Complete rolls

R+M Nr.	DN	↔	
306 570 50	9	50 m	3

Trolley



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

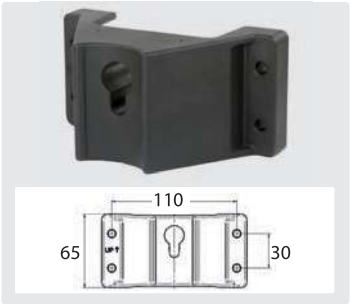
R+M Nr.	
710 000 163 389	14,0



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

R+M Nr.	
200 163 389	20.5

Wall bracket for injectors



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

R+M Nr.
200 168 420

Wall brackets for canisters



Stainless steel. Mounting holes 8.5 mm

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

easyfoam365+ bypass injectors ST-167 without compressed air module

easyfoam365+ product line has been enlarged

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

In combination with a foam lance (ST-72, ST-74 oder ST-75), an adjustable or a triple nozzle the **easy**foam365+ injector ST-167 can suck in chemicals by means of the integrated check valve made out of stainless steel. It depends on the chosen nozzle whether the chemical can also be sprayed on or foamed. The foaming covers large areas and a long exposure time is guaranteed. One further advantage of the foam cleaning is that already covered surfaces are easily seen.

The **easy**foam365+ injector which is available in the nozzle size of 1.2 - 2.8 mm meets the requirements in every field of application in the professional cleaning industry. The dosing is adjusted by one of the 10 nozzle inserts which are included in the consignment. As an alternative there are also versions with the infinitely variable dosing unit ST-161 available.

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

easyfoam365+ **bypass injectors ST-167**



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

1/2" F : 1/2" F : hose tail 9 mm. The chemical dosing is adjusted by 10 exchangeable nozzle inserts (0.5 - 2.0 mm).
Max. 500 bar / 100 °C



1/2" F : 1/2" F : hose tail 9 mm. Injector ST-167 with metering valve ST-161.
Max. 350 bar / 100 °C



1/2" F : 1/2" F : hose tail 9 mm. Injector ST-167 with metering valve extreme.
Max. 350 bar / 100 °C

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

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

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

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

Symbols D nozzle ↔ length wall thickness DN nominal diameter weight (kg)

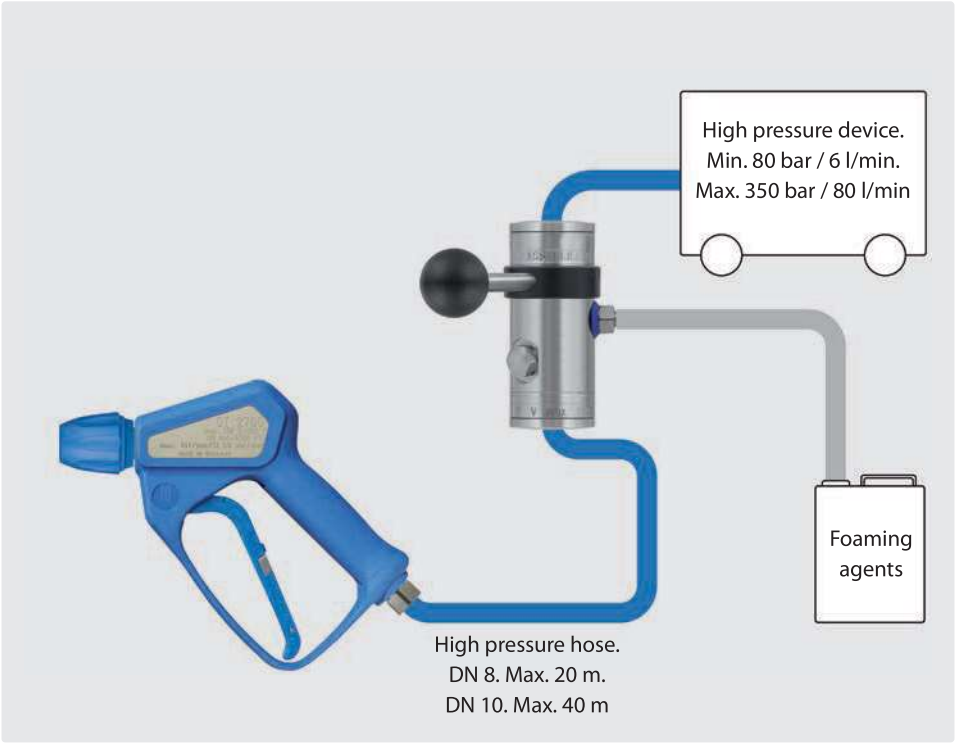
Assembly scheme easyfoam365+ bypass injectors ST-167 without compressed air module

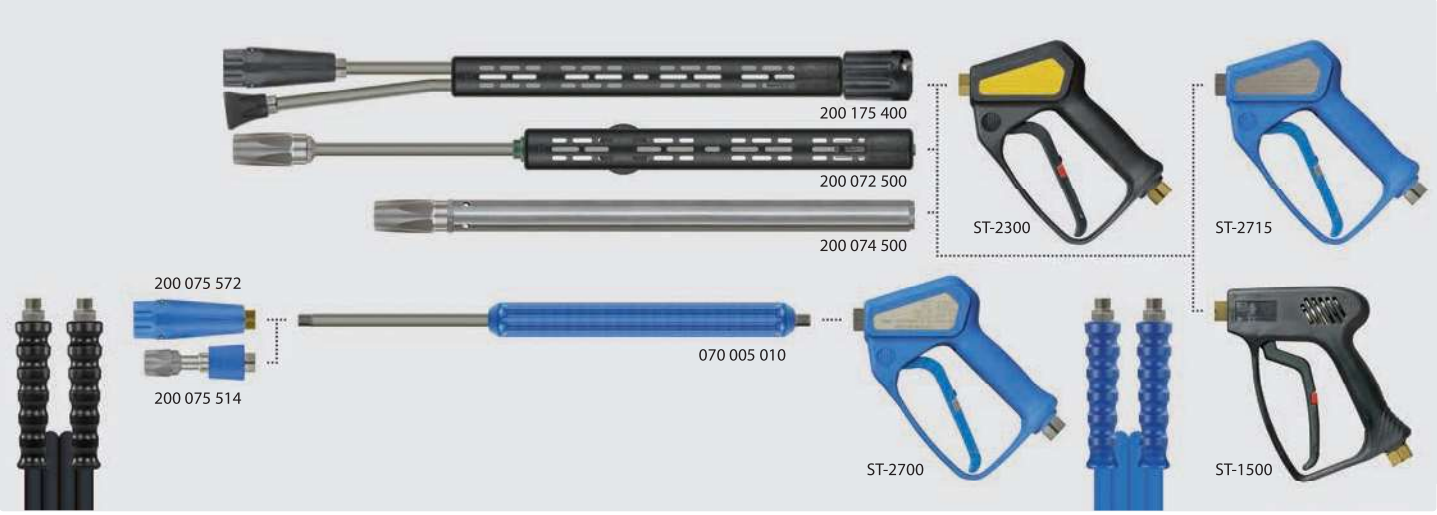


easyfoam365+ bypass injector ST-167 with hose tail 9 mm



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





Symbols D nozzle inlet outlet

easyfoam365+ bypass injectors ST-168 with compressed air module

easyfoam365+ product line has been enlarged

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

In order to produce foam a foam lance without air intake is absolutely required. The air quantity needed for foaming is supplied by an additional connection positioned at the injector. The use of a spray gun with large cross section areas such as for example ST-2720, ST-2725, ST-3100 or ST-3300 with suitable lances and foam hoses (blufood) is recommended. The injector ST-168 is especially designed for low and medium pressure applications from a water inlet pressure of 5 bar and it generates an excellent foam when being provided with the required quantity of compressed air.

The **easy**foam365+ injector which is available in the nozzle size of 1.2 - 2.8 mm meets the requirements in every field of application in the professional cleaning industry. The dosing is adjusted by one of the 10 nozzle inserts which are included in the consignment. As an alternative there are also versions with the infinitely variable dosing unit ST-161 available.

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

easyfoam365+ **bypass injectors ST-168**



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

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



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

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

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



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

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

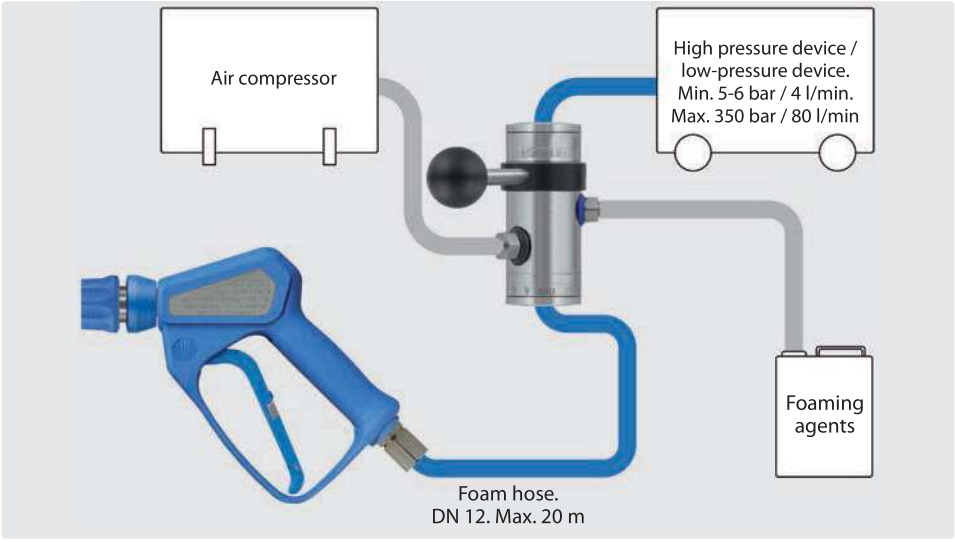
Assembly scheme easyfoam365+ bypass injectors ST-168 with compressed air module



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



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

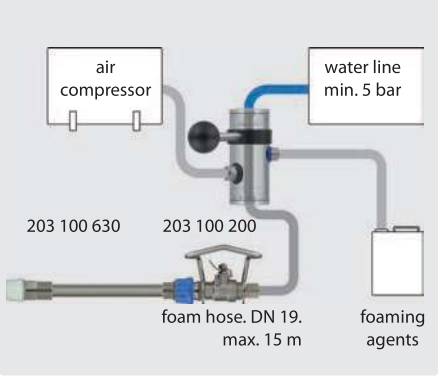




Have you already known? ...that our bypass injector ST-168 can also be operated with water line pressure.

The compressed air-driven **easy**foam365+ bypass injectors of the series ST-168 are designed for foam applications with medium pressure units (10 to 50 bar) in the field of the food industry.
The **easy**foam365+ bypass injector ST-168 is a real alternative especially for smaller companies such as farmers or fish breeding companies which are selling the goods ex farmyard. These smaller companies have to stick to the existing hygiene standards such as larger firms, but they are reasonably shy at the great investment volume for a medium pressure unit.

By means of only water line pressure - 5 bar flow pressure - and the appropriate accessories for the spraying unit - hose with big nominal width, ball valve 203 100 200 and suitable foam lance 203 100 630 an excellent foam quality is reached.
When switching the lever from the injector operation into cleaning and rinsing mode the addition of cleaning agent and disinfectant is stopped and the fully available water quantity passes the bypass injector nearly without any drop in pressure.



easyfoam365+ foam and disinfectant units ST-164

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

The foam device is a combination made out of stainless steel and special high performance plastics. The addition of one out of two connected chemicals is determined by positioning the lever.
All versions are suitable for the addition in low pressure from approx. 5 bar up to max. 350 bar.
When being operated in rinsing function up to 60 l/min pass through the unit without any drop in pressure.

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

The injector has an optional compressed air connection in order to supply the required air quantity for foaming already in the injector unit.
For the application of foam a foam lance without air intake is absolutely required. The use of a spray gun with large cross section areas such as for example ST-2720, ST-2725, ST-3100 or ST-3300 with suitable lances and foam hoses (blufood) is recommended.

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

The ST-164 injector is available in the nozzle size of 1.2 - 2.8 mm.
The dosing is adjusted by one of the 10 nozzle inserts which are included in the consignment. The connection for chemicals is equipped with an integrated check valve.

Injectors without compressed air module



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

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 10 exchangeable nozzle inserts (0.5 - 2 mm). Max. 350 bar / 100 °C

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

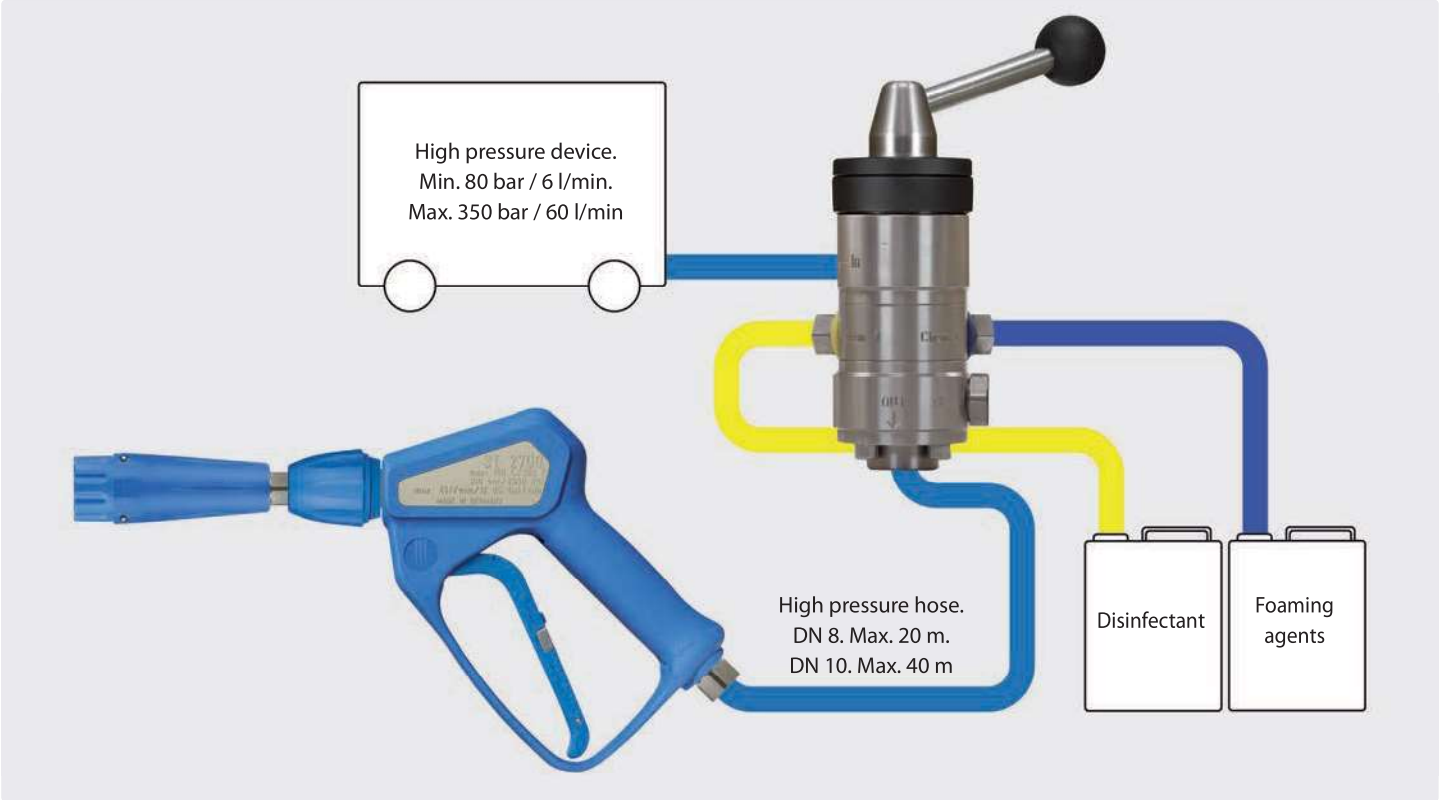


3/8" F : 1/2" F : 2 x Hose tail 9 mm : compressed air module (1/4" M). The chemical dosing is adjusted by the metering valve ST-161.
Max. 350 bar / 100 °C

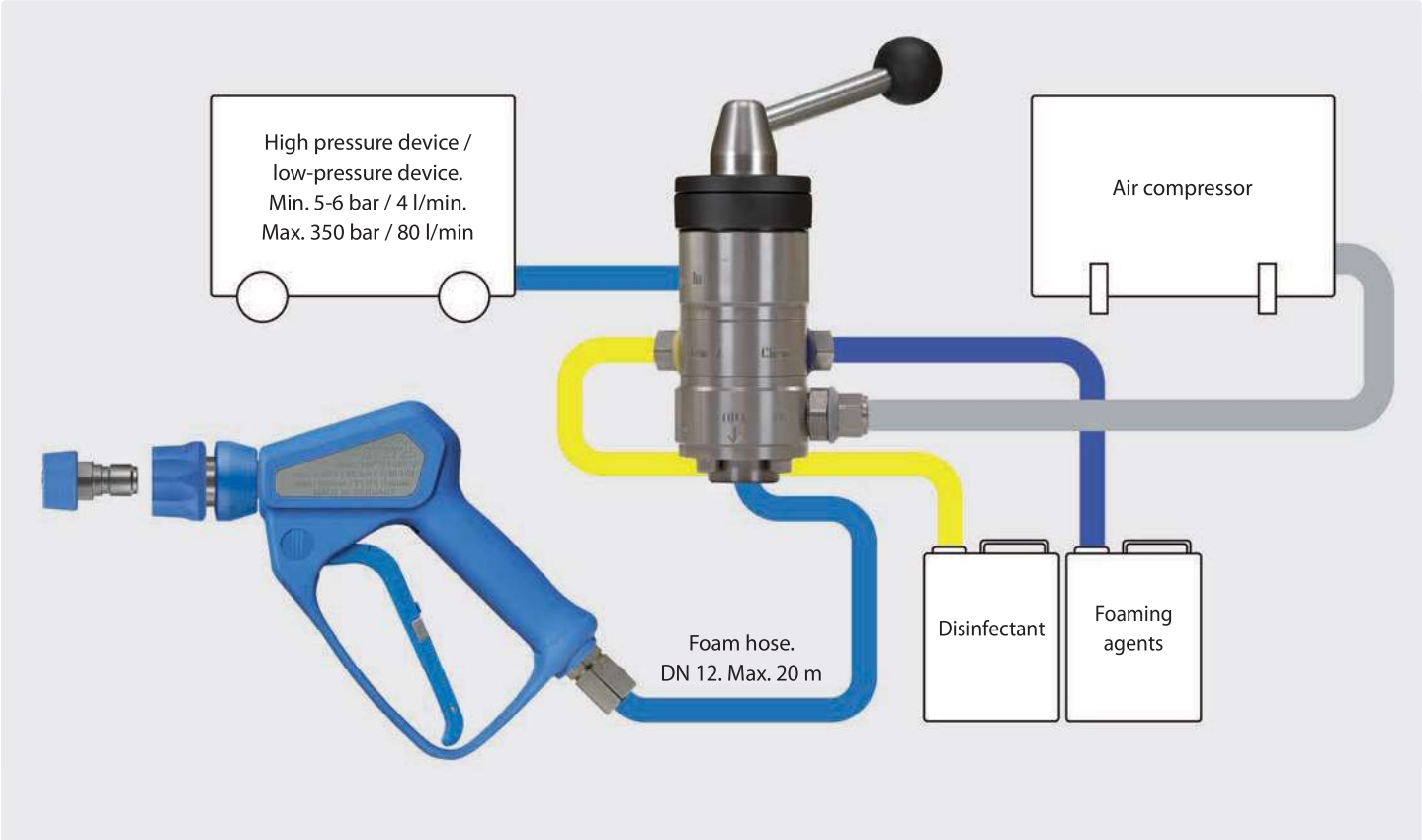
R+M Nr.	D
200 164 600	1.3 mm
200 164 602	1.4 mm
200 164 603	1.5 mm
200 164 604	1.6 mm
200 164 605	1.7 mm
200 164 606	1.8 mm
200 164 607	1.9 mm
200 164 608	2.0 mm
200 164 609	2.1 mm
200 164 610	2.2 mm
200 164 611	2.3 mm
200 164 612	2.4 mm
200 164 613	2.5 mm
200 164 614	2.8 mm

Symbols D nozzle

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



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



easyfoamer ST-73.1 foam injector lances

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

Rely on:

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



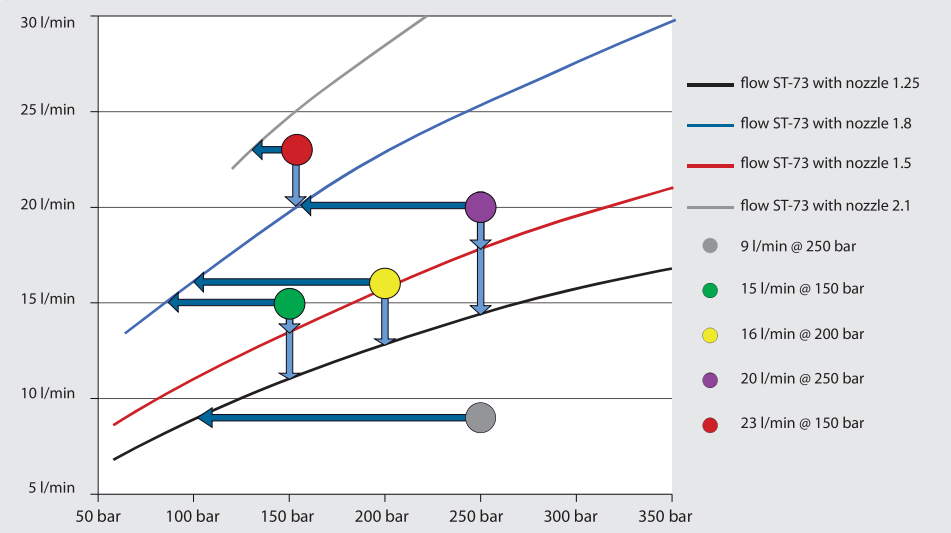
1/4" F. Foam injector lance with regulator and bottle. Max. 300 bar / 80 °C

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



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

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





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

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



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

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



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

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



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

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

Symbols D nozzle volume

easyfoamer ST-73.1 foam injector lances



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

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



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

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



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

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



ST-247. Foam injector lance with regulator and bottle.
Max. 300 bar / 80 °C

R+M Nr.	D	
200 073 760	1.25	1 l
200 073 761	1.50	1 l
200 073 762	1.25	2 l
200 073 764	1.80	2 l
200 073 765	2.10	2 l

easyfoamer ST-73.2 foam injector lances

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

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

Don`t lose any more time and feel invited to test it now!



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

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

Accessories easyfoamer ST-73.1 & ST-73.2



Bottle 1 liter

R+M Nr.
020 073 513



Bottle 2 liter

R+M Nr.
020 073 520



Nozzles

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



Foam pad (ST-73.1)

R+M Nr.	VPE
540 500 09	1
540 500 10	10
540 500 11	100



Cover blue for 1 and 2 liter

R+M Nr.
020 073 522



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

R+M Nr.
200 073 425



Bottle adapter

R+M Nr.
020 073 530

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

Foam injector lances

LS3 foam injector lances



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

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



Foam pad

R+M Nr.
540 500 09



Bottles for LS3

R+M Nr.	G	l
540 500 25	LS3	1 l

LS10 foam injector lances



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

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



Bottles for LS10

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



Lance with regulator D 1.5. Max. 200 bar / 65 °C / 25 l/min

R+M Nr.	G
540 30	3/8" M
540 300 8	1/4" F
540 300 1	M22 F
540 300	M22 M
540 300 3	ST-3100

Foam gun



Applications

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

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

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

Technical specifications

Water pressure 2.5 - 6 bar (for maximum accuracy 3 - 4 bar)
Output 5.5 l/min

Features

- Exceptional chemical resistance to acidic and caustic cleaner.
- Foam generating wand creates a thick clinging foam.
- Automatic dosing of chemicals.
- Durable polymer mixing head with stainless steel screws.
- Multi-ratio dial has 5 mixing settings and off.
- Gun is removable from quick coupling for clear rinsing with water.
- Easy filling by means of wide mouth.
- Only works with water pipe pressure.
- Suitable for all customary water couplings.
- Chemical container volume 1,000 ml.

Mixing Ratio

Multi-ratio dial has 5 mixing settings and off



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

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

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

Symbols G inlet VPE packing unit D nozzle l volume O thread

Disinfection cold fog device ST-83.1 / ST-83.2

The brand new ST-83.1 cold fog hand tool is ideal for small applications for fogging of disinfectants, odor neutralizers or insecticides and the ST-83.2 disinfection cold fogger is ideal for applications for fogging of disinfectants in large rooms.

» **Inexpensive** and safe application for hygienically germ-free cleaning of interiors to remove microorganisms, viruses and bacteria. Also for use on construction sites for dust deposition or mold removal
» **No inhalation of the disinfectant solution** as rooms do not have to be entered
» The finest nebulization of active ingredients comes into the smallest gaps and into the last corner
» **A compressed air connection is required:**
83.1: Inlet pressure 3 bar, 180-220 l / min.
83.2: Inlet pressure 3 bar, 200-400 l / min
» **Extremely productive use:** (e.g. 1 liter for rooms with 60 m^3, room size of approx. 25 m^2 or 5 - 7 vehicle compartments, 2 liters for rooms with 120 m^3, room size of approx. 50 m^2



Disinfection cold fog air device ST-83.1. For compressed air connection 3 bar, 180-220 l / min. Stainless steel / plastic

R+M Nr.	D	
200 083 500	0.7	1 l



Disinfection cold fog air device ST-83.2. For compressed air connection 3 bar, 200-400 l / min. Stainless steel / plastic

R+M Nr.	D	
200 083 550	0.7	2 l

ST-83.1 window bracket







WIth elastomer protection rings.
Stainless steel

R+M Nr.
200 083 400

ST-83 cold fog hand tool accessories

ST-83 adapter for canisters



For 5 - 30 liter canisters. Incl. 0.5 m clear PVC hose for suction of chemicals, DN 4

R+M Nr.
200 083 200

Exchangeable nozzle inserts



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

R+M Nr.
200 163 340



Two different fog nozzle inserts are included.

Better swirling:
Particularly suitable in smaller rooms such as passenger compartments.



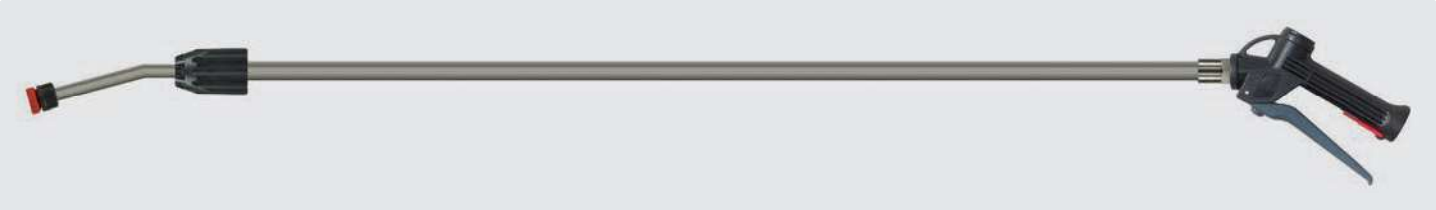
Larger throw range.
For the treatment of entire rooms or for targeted treatment at the air intake of ventilation systems.



Symbols inlet outlet D nozzle volume

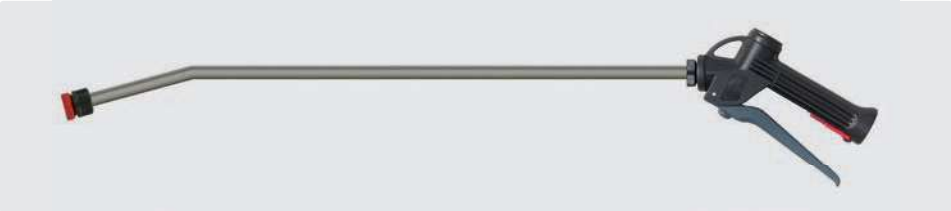
Chemical spray guns ST-510 & lances

Chemical spray guns ST-510 with lances



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

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



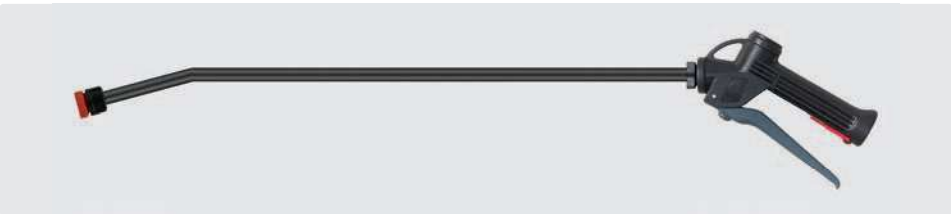
600 mm. Spray gun with lance made out of stainless steel and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

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



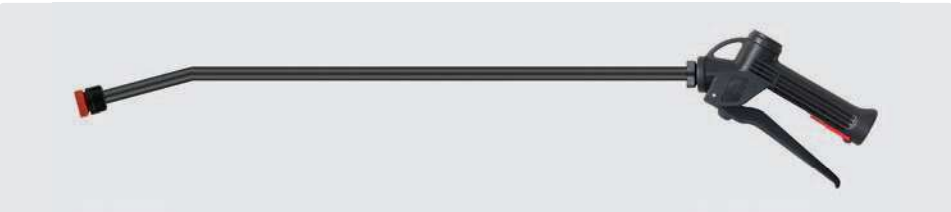
300 mm. Spray gun with lance made out of stainless steel and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

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



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

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



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

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



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

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

Chemical spray gun ST-510



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

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

Filter



Plastic. Max. 50 °C

R+M Nr.
500 04

Sprayer with pressure tank



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

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

Foamer with pressure tank



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

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

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

Accessories for sprayer and foamer

Foam hoses



Bayonet.
10 m

R+M Nr.
106 901 01

Spray hoses



1/4" M.
10 m

R+M Nr.
106 911 01

Foam head



1/2" M

R+M Nr.
106 906 0

Nozzles



Foamer.
55° 55

R+M Nr.
609 805 59



Foamer.
60° 25

R+M Nr.
609 802 59



Sprayer.
110° 04

R+M Nr.
609 110 04



Sprayer.
110° 045

R+M Nr.
609 110 045

Symbols TYP type volume shipment by truck

Sprayer with pressure tank



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

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

Foamer with pressure tank



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

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

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

Accessories for sprayer and foamer

Nozzle



Sprayer. 110° 03

R+M Nr.
609 110 03

Nozzle filters



50 MESH

R+M Nr.
106 909 2

Reduction nipples



1/4" F : 1/2" M. Brass

R+M Nr.
575 40

1/4" F : 1/2" M. Stainless steel

R+M Nr.
575 49

Adaptor



Bayonet : 1/4" M

R+M Nr.
106 900 1

Plug DN 7.2 : 1/4" F

R+M Nr.
554 714

Nut for nozzle



1/2" M

R+M Nr.
106 909 3

Seal



R+M Nr.
106 909 4

HACCP – Colour Coding Concept

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

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

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

Durable and effective accessories

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

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

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



R+M Nr.
202 300 473



R+M Nr.
202 300 474



R+M Nr.
202 300 472



R+M Nr.
202 300 471

HACCP - lances ST-29

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



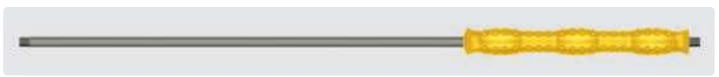
R+M Nr.	○	ISO	↔	Ⓜ
200 029 317	1/4" M	300 mm	900 mm	stainless steel



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



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



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

Suttner rotating nozzles in 4 colours



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

Plastic plugs for rotating nozzles ST-357

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

Plastic plugs for rotating nozzles ST-456

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

Plastic plugs for rotating nozzles ST-458

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

Lance clips





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

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

Nozzle protector ST-11





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

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