

SB Membrane Sample Valve

Alfa Laval SB Membrane Sample Valve

Concept

The membrane sample valve is used for sampling from tanks and pipework under sterile conditions. The valve is sterilized in place with alcohol or steam. Membrane sealing directly against product ensures representative sampling, giving repeatable results safe to secondary contamination.

Working principle

Before opening the valve, the closing cap should be placed on upper hose piece. When handle is placed into horizontal position the required flow through the lower outlet is obtained. When handle is back into vertical position the valve is closed and the handle can be removed if required. Aseptic sampling is possible from a special valve type with micro port. By removing the red closing cap, a hypodermic needle can be inserted through a central channel into the membrane and the aseptic sampling takes place with the valve in closed position. After sampling the valve should be flushed with water or alcohol. Sterilization has to take place by means of alcohol or steam.

Standard Design

All types are available for manual or pneumatic operation. The two outlets are hose pieces designed as clip-on. The standard valve is equipped with one clip-on closing cap.

TECHNICAL DATA

Product pressure:Max. 10 bar as standard.



PHYSICAL DATA

Pressure

Valve body:1.4404 (AISI 316L)
Other metallic parts:1.4307 (AISI 304L)
Membrane:Silicone. EPDM on request

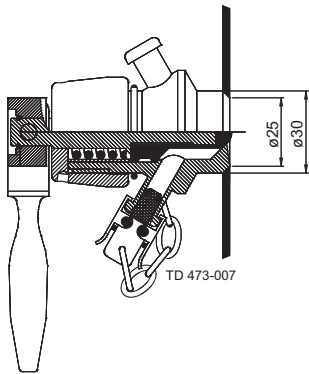
Options

- Handle for operating the valve
- Assembling tool
- Membrane remover
- Proximity switch for indication of open/closed valve position
- Sampling coil with clip-on
- Isobaric hand bottling device with clip-on
- Hypodermic needle
- Silicone hose with clip-on

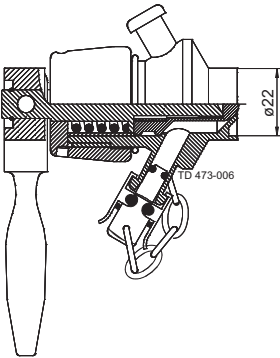
Special Versions

Instead of being clip-on type, the two outlets of the valve can be supplied with Tri-Clamps, Swagelok or welding ends. Other type is available on request. The pneumatic valve can alternatively be supplied in a combined manual - pneumatic execution. Please ask for separate information on the SCANDI BREW® Sampling system.

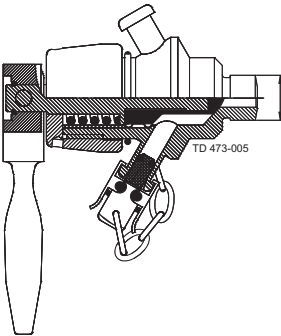
Type T



Type P

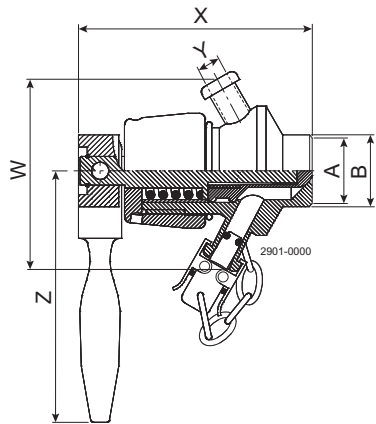


Type S



The valve body is available in the following constructions:

- Type T for direct welding into tank
- Type P for direct welding into pipe
- Type S for socket mounting. Valve body with male part in 3/8" BSP
- Other types are available on request, f.inst. 1/2" BSP, NW 10, NW 15.



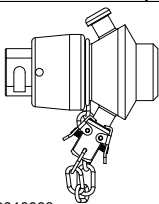
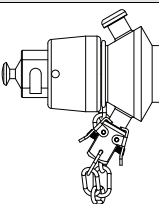
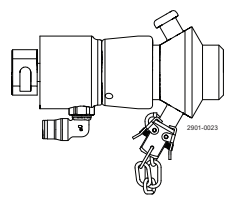
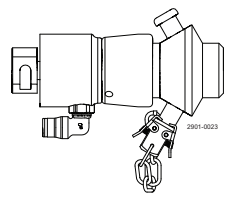
	Type T	Type P 1"	Type P DIN/NW25	Type S
A	ø25	-	-	-
B	ø30	ø25	ø29	3/8" BSP
X	81	82.5	82.5	94
Y	6.8	6.8	6.8	6.8
Z	87.5	87.5	87.5	87.5
W	65.2	65.2	65.2	65.2

Product code: 5349

Product code: 5917

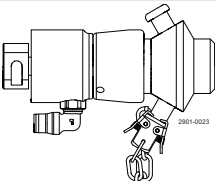
Product wetted steel parts: EN 1.4404
Product wetted surface finish: Ra ≤ 0.8 µm

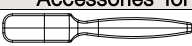

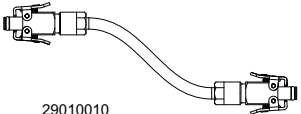
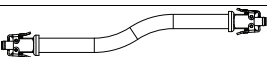
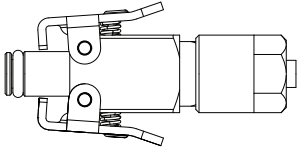
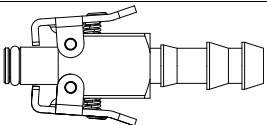
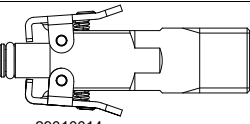
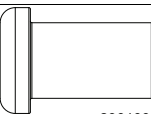
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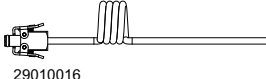
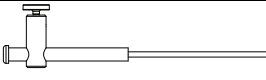
Item No.	PPL EUR	Item No.	PPL EUR	Specification	SCANDI BREW
					Membrane Sample Valve
9615094101	664	9615094107	677	Manual Type T	 29010003
9615094102	664	9615094108	677	Manual Type P (DN25)	
9615094103	664	9615094109	677	Manual Type P (Ø25/1")	
9615094104	664	9615094110	677	Manual Type P (Ø12-Ø10mm)	
9615094105	664	9615094111	677	Manual Type S (3/8"BSP) (Incl. one closing cap and two membranes (EPDM, Silicone), excl. quick opening key) Other types on request	
Membrane sample valve w. micro port					
9615094401	718			Manual+Micro port Type T	 29010004
9615094402	718			Manual+Micro port Type P (DN25)	
9615094403	718			Manual+Micro port Type P (Ø25/1")	
9615094404	718			Manual+Micro port Type P (Ø12-Ø10mm)	
9615094405	718			Manual+Micro port Type S (3/8"BSP) (Incl. one closing cap and two membranes (EPDM, Silicone), excl. quick opening key) Other types on request	
Pneumatic membrane sample valve					
For dual operation manual / pneumatic					 2901-0023
9615094601	1025			Pneumatic Type T	
9615094602	1025			Pneumatic Type P (DN25)	
9615094603	1025			Pneumatic Type P (Ø25/1")	
9615094604	1025			Pneumatic Type P (Ø12-Ø10mm)	
9615094605	1025			Pneumatic Type S (3/8"BSP) (Incl. one closing cap and two membranes (EPDM, Silicone), excl. quick opening key) Other types on request	
For pneumatic/manual operation with fittings for Ø10 mm pipes on outlets					 2901-0023
9615094611	1338			Pneumatic Type T 0-6bar Swage	
9615094612	1338			Pneumatic Type P (DN25) 0-6bar Swage	
9615094613	1338			Pneumatic Type P (Ø25/1") 0-6bar Swage	
9615094614	1338			Pneumatic Type P (Ø12-Ø10mm) 0-6bar Swage	
9615094615	1338			Pneumatic Type S (3/8"BSP) 0-6bar Swage (Incl. one closing cap and two membranes (EPDM, Silicone), excl. quick opening key) Other types on request	

Product code: 5935

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Item No.	PPL EUR	Specification	
			Pneumatic membrane sample valve
9615146501	646	Actuator Pneumatic	
9615146401	319	Actuator Manual W. Micro Port	
9615146301	267	Actuator Manual	

Item No.	PPL EUR	Specification	
			Accessories for membrane sample
9615119001	50	Quick opening key	
9615119301	86	Quick opening key, twin step	
9615119801	64	Assembling tool	
9615118801	163	3 m silicone sealing hose w. clip-on on ends	
9615132502	274	1 m high pressure hose w. clip-on on ends	
9615132501	384	3 m high pressure hose w. clip-on on ends	
9615132401	80	Clip-on for Ø3/Ø6mm silicone hose	
9615132402	95	Clip-on for CIP hose	
9615132403	109	Clip-on cap with 1/4" BSP male	
9615085601	27	Hose piece for clip-on	

Item No.	PPL EUR	Specification	
Accessories for membrane sample			
9615118501	260	Coil outlet with clip-on	 29010016
9615132601	491	Isobaric hand bottling device	 29010017
9615101201	88	Clip on Closing cap	