For Sterile Sampling

Alfa Laval SB Micro Sample Port

Concept

The Micro Sample Port is used to take aseptic and microbiological samples in small volumes from tanks and pipework.

Working Principle

The sampling is done by unscrewing the closing cap and inserting a 1 mm hypodermic needle through the rubber plug.

Replacement of the rubber plug should only take place when the tank is empty and pressure has been released. It is done by unscrewing the press screw until it is released from the holder and the rubber plug is released. Then the press screw is remounted firmly.

Before sampling, the plug should be sterilized with alcohol. Since the inner part of the rubber plug sits flush with tankwall or pipework surface, this part is automatically cleaned during tank or pipework cleaning.

Standard Design

The Micro Sample Port is made in a simple, hygienic design and consists of a housing made as a socket for direct welding into tankwall or pipe-work, a rubber plug which is positioned by a press screw and a closing cap.

TECHNICAL DATA

Temperature

Temperature range, silicone: . . . . . 1°C - 110°C
Temperature range, natural rubber: . . . 1°C - 90°C

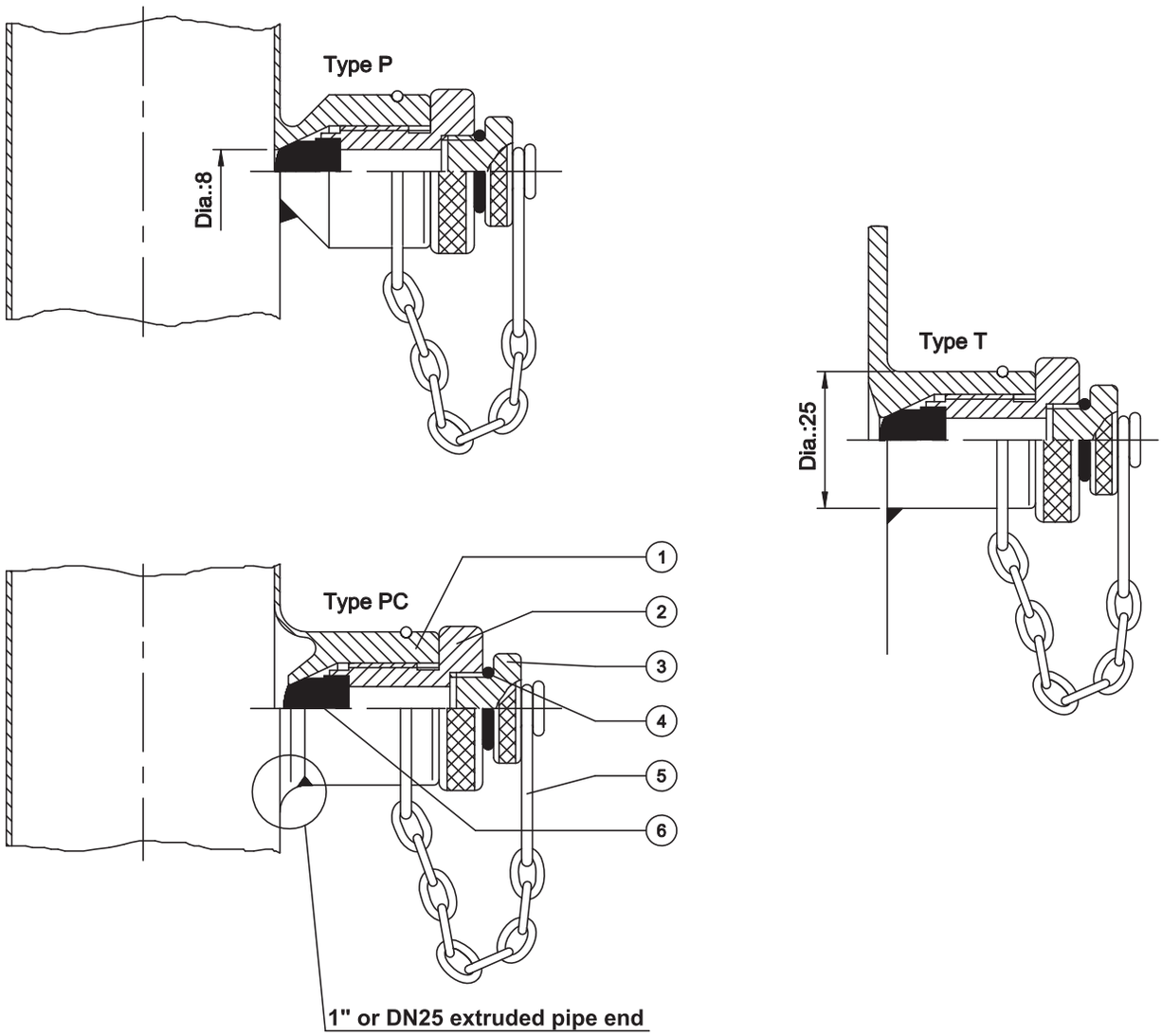
Pressure

Max. product pressure: . . . . . 6 bar

PHYSICAL DATA

Materials

Product wetted steel parts: . . . EN 1.4404 (AISI 316L) with 3.1 cert.
Membrane seals: . . . . . Silicone or natural rubber



Pos. 1 : Welding socket
Pos. 2 : Press screw
Pos. 3 : Closing cap
Pos. 4 : O-ring
Pos. 5 : Chain
Pos. 6 : Rubber plug

The different types of sockets are mounted as follows:

- Socket, Type T, is welded into a 25 mm diameter hole in a tankwall
- Socket, Type P, is welded on a pipewall and thereafter a 8 mm hole is drilled
- Socket, Type PC, is available for welding onto extruded pipe ends equal to 1” as well as DN25

For Sterile Sampling

Alfa Laval SB Micro Sample Port Type M

Concept
The Micro Sample Port Type M is used to take aseptic and microbiological samples in small volumes from tanks and pipework.

Working principle
The sampling is done by unscrewing the closing cap and inserting a hypodermic needle through the membrane. Replacement of the rubber membrane should only take place when the tank is empty and pressure has been released. It is done by unscrewing the threaded nipple and removing the perforated disc, replace the membrane and make sure the parts are mounted firmly. Before sampling, the plug should be sterilized with alcohol. The inner part of the rubber membrane is automatically cleaned during tank or pipework cleaning.

Standard design
The Micro Sample Port Type M is made in a simple, hygienic design and consists of a housing made as a socket for direct welding into tankwall or pipe-work, a theaded nipple and a perforated disc keeps the membrane in place.

TECHNICAL DATA

Temprature
Temprature range: . . . . . 1°C - 90°C

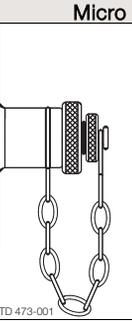
Pressure
Max. product pressure: . . . . . 10 bar

PHYSICAL DATA

Materials
Product wetted steel parts . . . EN 1.4404 (AISI 316L) with 3.1 cert.
Membrane seal . . . . . NBR

Product code: 5917

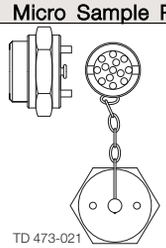
Material: 1.4404
Product wetted surface finish: Ra ≤ 0.8 µm

Item. No	PPL EUR	Specification	
			Micro Sample Port
9615122501	141	Type T w/red silicone plug	 TD 473-001
9615122502	141	Type T w/green rubber plug	
9615122701	137	Type P w/red silicone plug	
9615122702	141	Type P w/green rubber plug	
9615123301	141	Type PC 1” w/red silicone plug	
9615123302	137	Type PC 1” w/green rubber plug	
9615126501	145	Type PC DN 25 w/red silicone plug	
9615126502	145	Type PC DN 25 w/green rubber plug	

SB Micro Sample Port, Type M

Product code: 5917

Material: 1.4404
Product wetted surface finish: Ra ≤ 0.8µm

Item No.	PPL EUR	Specification	SCANDI BREW
			Micro Sample Port, Type M
9615139401	470	Micro Sample Port, Type M (max. 10 bar)(max. 10 bar)	 TD 473-021