



## 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, sanitary 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

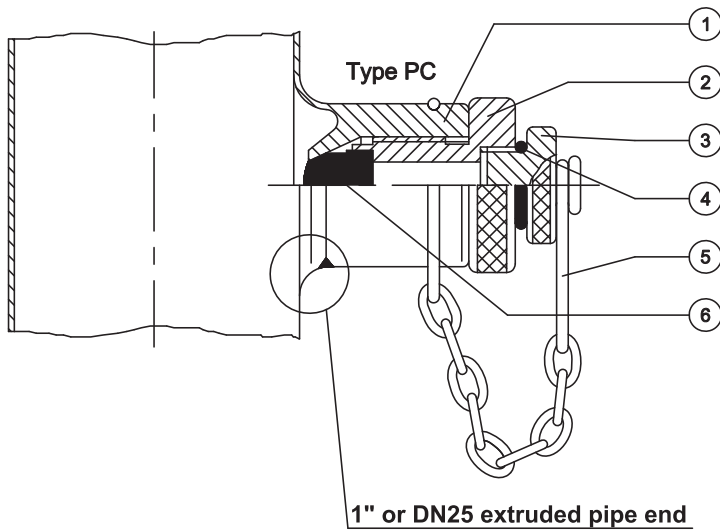
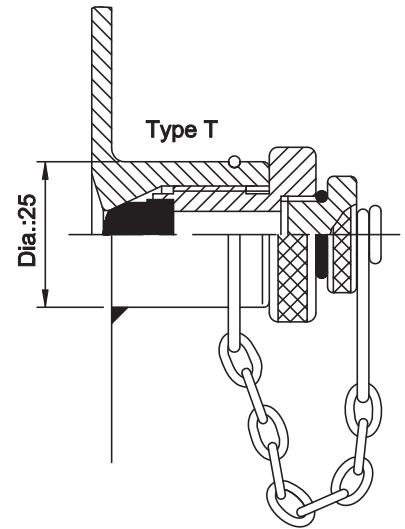
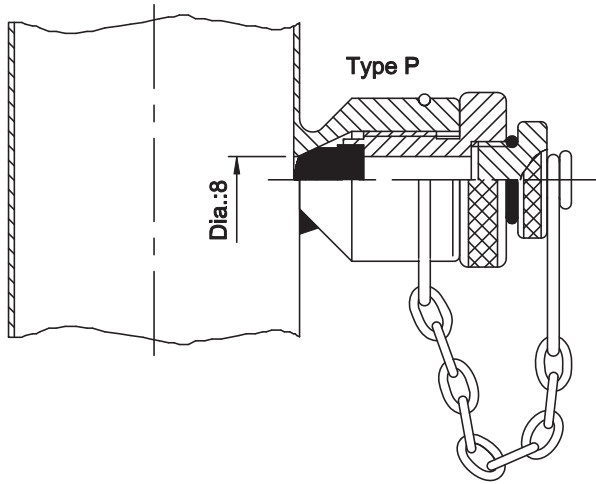
Max. product pressure: . . . . . 6 bar

#### PHYSICAL DATA

##### Materials

Product wetted steel parts: . . . EN 1.4404 (AISI 316L) with 3.1 cert.

Membrane seals: . . . . . Silicone or natural rubber



1" or DN25 extruded pipe end

- 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 tank wall
- 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

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