



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

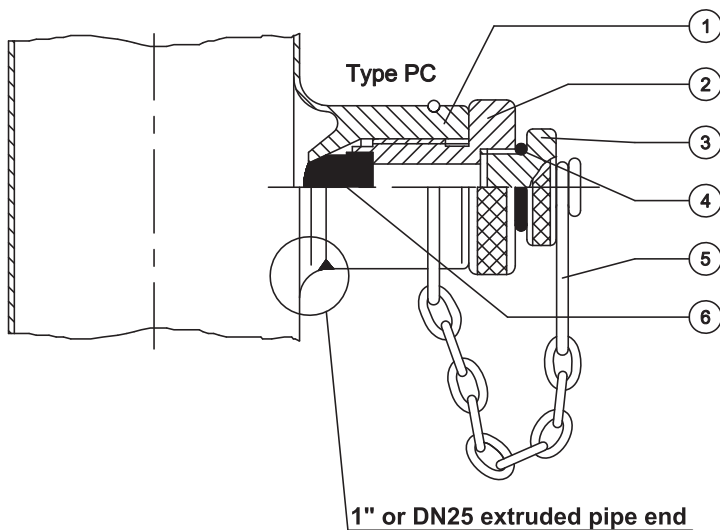
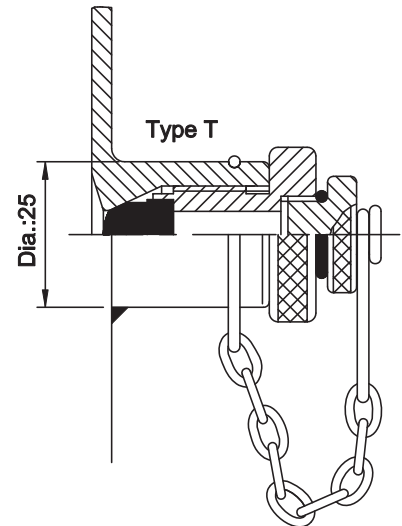
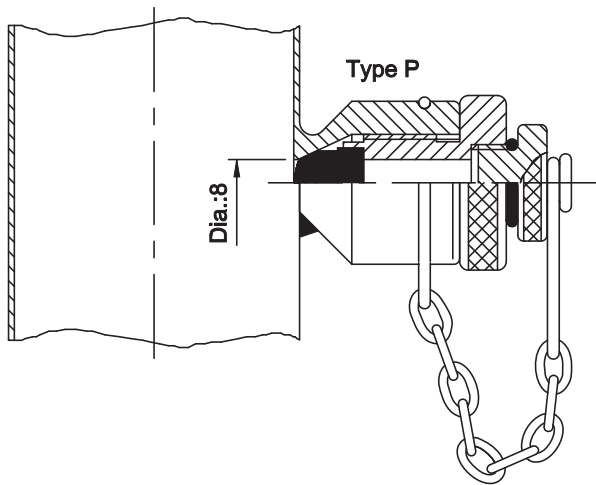
Max. product pressure: 6 bar

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

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