



SCANDI BREW® Micro sample port

Sampling

Application

To take aseptic and microbiological samples in small volumes from tanks and pipework.

Construction

The 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.

Product pressure: Max. 6 bar (86 psi) as standard.

Welding part: Stainless steel AISI 316L
 (with material certificate)

Other metallic parts: Stainless steel AISI 304

Rubber plug: Natural rubber or silicone

O-ring: NBR

Operation

Sampling: By unscrewing the closing cap and inserting a 1 mm hypodermic needle through the rubber plug.

Rubber plug replacement: Should only take place when the tank is empty and pressureless. Unscrew the press screw until it is released from the holder and replace the rubber plug. Remount the press screw firmly.

Cleaning

Before sampling the plug should be sterilized with alcohol.

As the inner part of the rubber plug sits flush with tankwall or pipework surface this part is automatically cleaned during tank or pipework cleaning.

Mounting

Socket, Type T, is welded into a 25 mm diameter hole in a tankwall - **please observe that grinding or polishing of the conical area around the seat should be avoided as it might damage the seat.**

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 NW 25.



Benefits

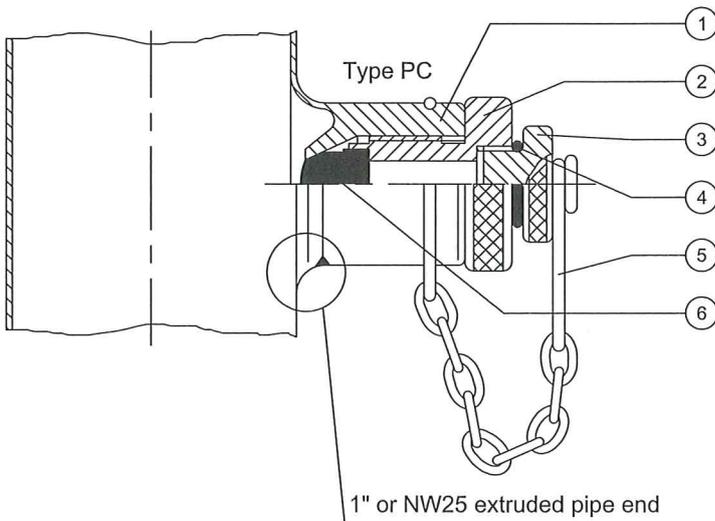
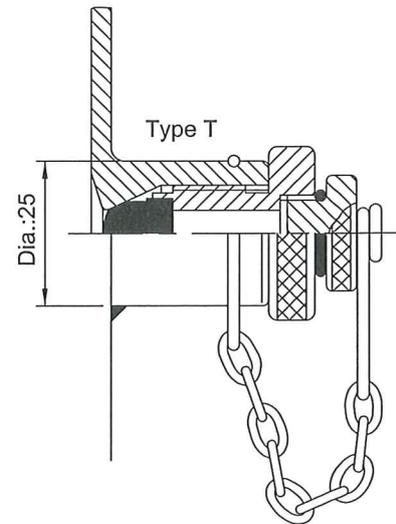
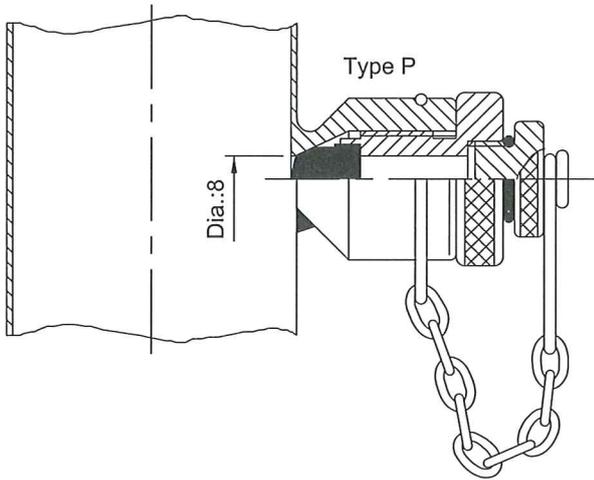
- *Reliable aseptic samples*
- *Easy replacement of rubber plug*

Maintenance

Replacement of rubber plug is recommendable after 5 - 10 samples. Minimum order quantity is 100 pcs. O-ring to be replaced approx. every 3 years.

Special Versions

Micro sample port with slide that allows replacement of rubber plug under gas pressure to avoid CO₂ loss.



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

How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information direct.



Alfa Laval snc

Customer's Order No.: 28864

Our Order No.: 19299

Date: 05.12.2003

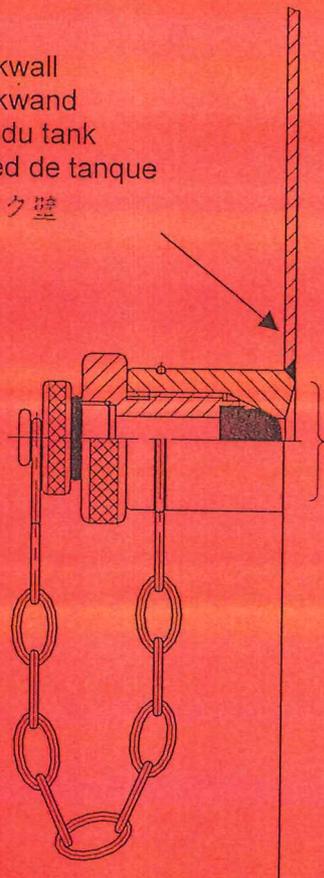
**Sample point type P.
1 pc.
Sample point type T.
1 pc.**

This documentation has been made in 4 copies out of which 1 copy remains in possession of Scandi Brew, Alfa Laval Copenhagen A/S.

Sign.:AJ/DF

IMPORTANT !!!

Tankwall
Tankwand
Mur du tank
Pared de tanque
タンク壁



Attention :

No grinding and no polishing in this area,
it will damage the seat.

Achtung :

Kein Schleifen und kein Polieren dieser
Sektion.

Attention :

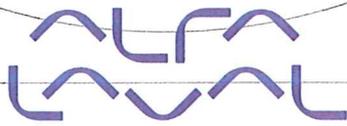
Ne pas meuler et ne pas polir ici.

Importante

No afiladora-no polimento en este area.

注意 :

この部分は切削、研磨をしないで下さい。
バルブシートを傷つけてしまいます。



SCANDI BREW® Membrane sample valve

Sampling

Application

Sampling from tanks and pipework under sterile conditions for physico-chemical or micro-biological analyses.

Construction

Valve body: Stainless steel AISI 316L
(welding parts with material certificate)
Membrane: Silicone. EPDM on request
Product pressure: Max. 6 bar (86 psi) as standard. 10 bar is available on request.

The valve body is available in the following executions:

- 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.

All types are available for manual or pneumatic operation. The two outlets are hose piece designed as clip-on type. The standard valve is equipped with one clip-on closing cap. Special versions - please see reverse side.

Operation

Sampling should only be made from sterile sample valve. Before opening the valve, closing cap should be placed on upper hose piece. Thereafter handle is moved to horizontal position until required flow through lower outlet is obtained.

After sampling, handle should be pulled back into vertical position whereafter the valve is closed. In this position the handle can be removed if required.

Aseptic sampling is possible from 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 valve in closed position.

Cleaning/Sterilization

After sampling the valve should be flushed with water or alcohol. Sterilization is to take place by alcohol or steam. When not in use, the valve may be sealed with alcohol by leaving the clip-on closing cap on the lower outlet and filling with alcohol.



Benefits

- Sterilisable in place with alcohol or steam
- Membrane sealing directly against product
- Representative sampling, giving repeatable results
- Safe to secondary contamination
- Dual purpose, bulk and micro samples (special version)
- Pilfer proof
- Manual and pneumatic operation

By aseptic sampling the channel is to be rinsed with alcohol.

Cleaning in place only with vessel or pipeline cleaning. By interval flipping of valve optimal cleaning of valve seat is obtained.

Type S should be flushed backwards from outlet to secure a clean connection to tank or pipe.

Mounting

On tanks and pipework.

Normally the valve should be mounted horizontally with one outlet in upward position and one in downward. If the valve is mounted in another position, it should be secured that complete drainage can take place from one of the outlets.

Please note separate mounting instruction.

Maintenance

Requires replacement of membrane at least once a year. By intense steaming and cleaning more frequent change might be necessary. The membranes can be supplied with bushings in three colours to secure a systematic change of the membrane.

O-ring on clip-on closing cap to be changed approx. every 2-3 years.

NOTICE:

As the membrane is penetrated during aseptic sampling through the sample port a more often replacement of same is required. Frequency will depend on needle size.

Extra Equipment

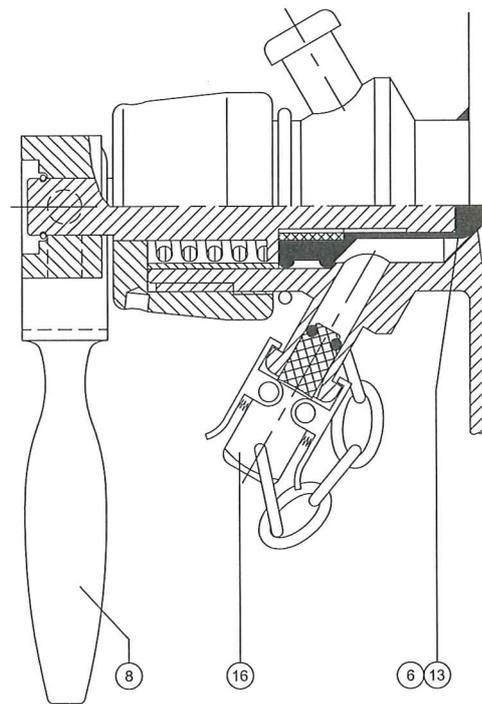
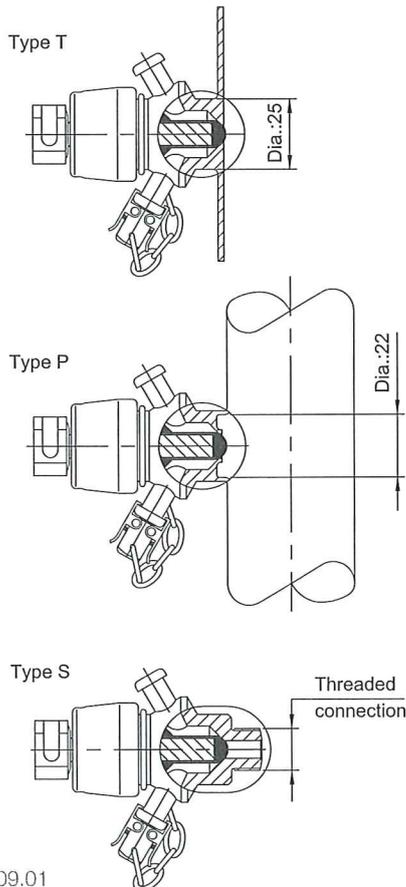
- Handle for operating the valve
- Assembling tool
- Membrane remover
- Proximity switch for indication of open/closed valve position
- Sampling coil with clip-on
- Isobaric hand bottling device with clip-on
- Hypodermic needle
- Silicone hose with clip-on

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.



- Pos.8 : Handle
- Pos.6+13 : Membrane with bushing
- Pos.16 : Clip-on closing cap

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PD-05.11.7E - 09.01

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