

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)
- Puffer 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

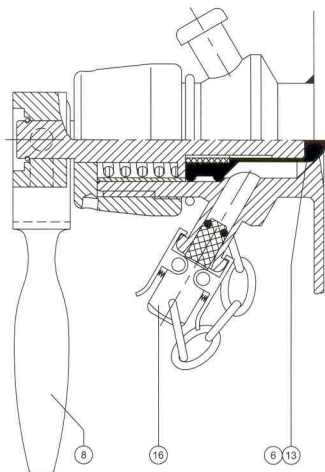
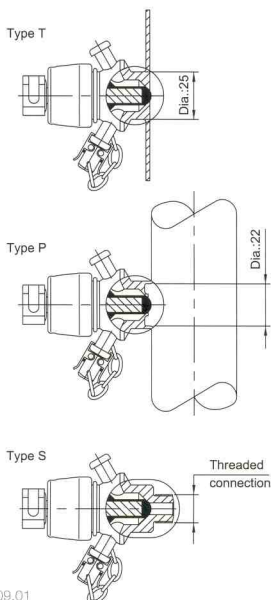
- Handle for operating the valve
- Assembling tool
- Membrane remover
- Proximity switch for indication of open/closed valve position
- Sampling coil with clip-on
- Isobaric hand bottling device with clip-on
- Hypodermic needle
- Silicone hose with clip-on

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