KIESELMANN GmbH
Paul-Kieselmann-Str.4-10
D - 75438 Knittlingen
☎ +49 (0) 7043 371-0
Fax: +49 (0) 7043 371-125
www.kieselmann.de
sales@kieselmann.de

# Operating Instructions
Translation of the original

## 6103 006 000-040

## Sample Valve S DN6
## EPDM

manual operation with hose nozzle

ak 27.10.04 / 12.12.11

## ❒ Field of Application

The sample valve is suitable for the taking samples out of tanks or pipe system in plants of the food and drink industry, pharmaceutical and chemical industries as well as in biotechnology.

**ATTENTION**
To avoid danger and damage, the fitting must be used in accordance with the safety instructions and technical data contained in the operating instructions.

## ❒ Safety Instructions

**ATTENTION**
- Sample valve is not suitable for aseptic sampling.
  Sample valve is not suitable for scarf. Seals of the valve could be destroyed by high heat supply.

**DANGER**
- Dismantling the valve or valve assemblies from the machine can cause injuries from fluids or gases flowing out.
  Dismantle the valve or valve assembly only when the plant has been rendered pressure-less and free of liquid and gas.

**ATTENTION**
- Danger of injury from liquids flowing from outlet "B" when opening the sample valve.
  According to the position of the sample valve, outlet pipes or draining devices must be fitted to achieve splash-free draining.

## ❒ Function

Sample valve is suitable for the taking of samples out of tanks or pipe systems. The valve will be opened to the left and closed to the right.

## ❒ Installation Instructions

The valve should be installed so that no fluids remain in the housing.

## ❒ Cleaning

The cleaning of the valve occurs in the closed state over connection 'B'. With concurrent cleaning of the tank or pipe system the valve can be opened.

## ❒ Maintenance

The maintenance intervals depend on the operating conditions "temperature, temperature-intervals, medium, cleaning medium, pressure and opening frequency". We recommend replacing the seals every 1 years. The user, however should establish appropriate maintenance intervals according to the condition of the seals.

## ❒ Disassembly and Assembly

### Disassembly
- Open up spindle (7) completely. Unsrew the valve upper part (6) from the valve housing (1).

### Assembly
- Thouroughly clean and slightly lubricate mounting areas and running surfaces.
- Assemble in reverse order.

**Seal material Grease types**

| | |
|---|---|
| EPDM; Viton; K-Flex; Threading | Klüber Paraliq GTE 703 |
| NBR; HNBR; Silicone | Klüber Paraliq GB 363 |

## ❒ Technical data

| | |
|---|---|
| **Model:** | Sample valve PEMS manual operation |
| **Valve size:** | DN 6 |
| **Connection:** | welding end DIN11850<br>hose nozzle 8x1 |
| **Temperature:** | 95°C / depending on the medium |
| **Operating pressure:** | 10 bar |
| **Vacuum:** (test pressure 0,5mbar) | 1,5 - $10^{-6}$ mbar x $l/s$ |

| **Material:** | **in product contact** | **not in product contact** |
|---|---|---|
| **Stainless Steel:** | 1.4404 AISI316L | 1.4301 AISI304 |
| **Surfaces:** | RA 0,8µm | RA 1,5 - 2,5µm E-poliert |
| **Seals:** | EPDM | |

## ❒ Spare parts list

| Item. | Designation | Material |
|---|---|---|
| 1 | Valve housing (PEMS 126.040.E) | 1.4404 / AISI 316L |
| 2 | Diaphragm | EPDM |
| 3 | Valve piston | 1.4301 / AISI 304 |
| 4 | Diaphragm disk | 1.4301 / AISI 304 |
| 5 | Grooved drive stud | 1.4301 / AISI 304 |
| 6 | Valve upper part | 1.4301 / AISI 304 |
| 7 | Valve spindle | 1.4301 / AISI 304 |

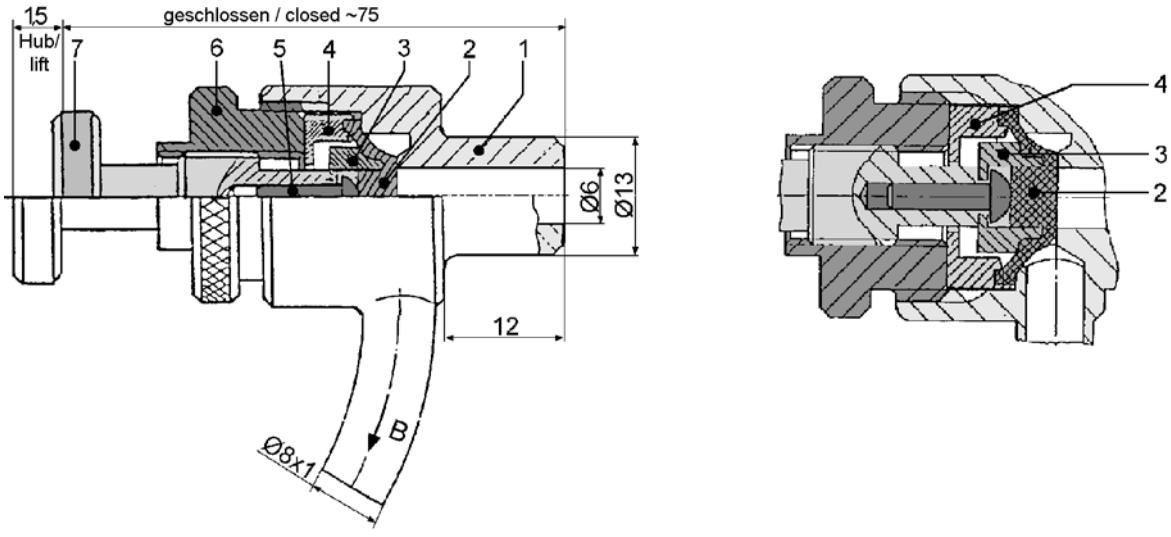


Fig. 1