Product information

Armaturen GmbH

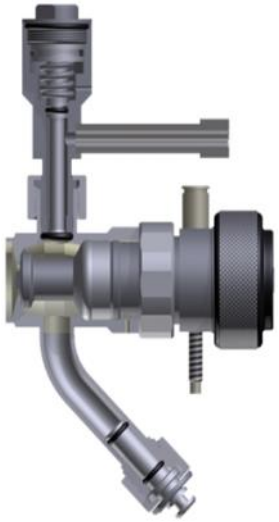
Diaphragm sampling valve type PharmCom

M&S sampling valves are used for taking samples from containers or pipelines. Depending on the purpose of sampling, different sampling systems can be used. The product properties, the amount as well as the requirements to sampling determine the selection of the suitable sampling valve .

M&S diaphragm sampling valves are used in systems with very high hygienic requirements and for aseptic processes. The diaphragm sealing system hereby ensures hermetic separation between the product area and the drive technology .

PharmCom sampling valve

PharmCom sampling valve, design



Usage | **Features** | **Versions**

- Taking liquid and viscous samples from containers and pipelines with high hygienic requirements as well as for aseptic processes.
- Venting of pipelines and process-engineering systems .

Usage | **Features** | **Versions**

- Front-flush barrier to the product area.
- Design without dead space.
- Can be completely drained.
- Very easy to clean and sterilize (CIP/SIP).
- Metal stop for gasket.
- Leakage hole for monitoring.
- EHEDG-certified
- Functions
  - Valve closed (figure 1)
  - Valve open, CIP cleaning (figure 2)
  - Valve closed, sterilization of product space (figure 3)
  - Valve open, sampling (figure 4)
- Conversion set for structurally identical third party products available.

Fig. 1

Fig. 3

Fig. 2

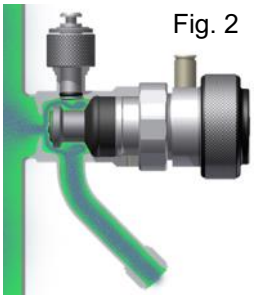


Fig. 4

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Product information

Diaphragm sampling valve type PharmCom

Usage | **Features** | **Versions**

- Process connections
  - Inlet: Weld neck DN 25 (Ø29x1.5), others as per customer request.
    Outlet: Weld neck DN 10 (Ø13x1.5), others as per customer request.
  - Optional cleaning/sterilization (CIP/SIP): Weld neck, thread connection G3/8“, optionally with pneumatic steam valve.
- Operation
  - Manually or manual/pneumatic.
- Operating pressure
  - 10 bar
- Materials
  - Housing 1.4435/AISI 316L, other stainless steels, titanium or hastelloy.
  - Gaskets: EPDM, FKM, HNBR, FDA-compliant, USP class VI (EPDM and FKM).
- Surfaces
  - In contact with product *Ra* = 0.8 µm, not in contact with product *Ra* = 1.6 µm.
  - Other surfaces upon inquiry.
- Operating temperature
  - Depending on the seal material

Standard versions

- Manual actuation by handwheel (figure 5)
  - Connection by weld neck DN 25
  - Outlet with weld neck DN 10

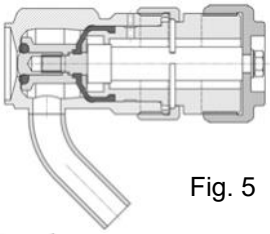

Fig. 5

- Manual actuation by handwheel (figure 6)
  - Connection with TU flange
  - Additional cleaning and sterilization neck (CIP/SIP), lockable for front-flush sealing plug
  - Outlet with weld neck DN 10.

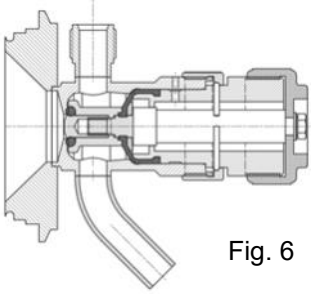

Fig. 6

- Manual and pneumatic actuation (figure 7)
  - Connection by weld neck DN 25
  - Additional cleaning and sterilization neck (CIP/SIP), lockable for front-flush sealing plug
  - Outlet with weld neck DN 10
  - End position feedback via proximity switch

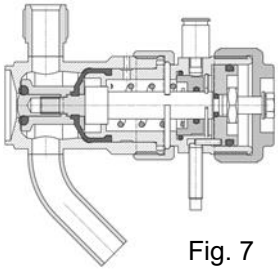

Fig. 7

Special design

- Pneumatic actuation (figure 8)
  - Connection of T-housing with weld neck, option for sampling from circulating media (ring lines).

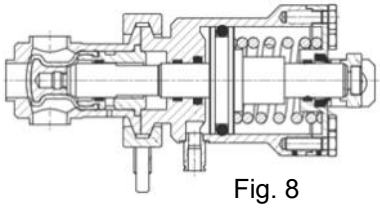

Fig. 8

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