

TWIN DIAPHRAGM VALVE FOR FILLING

The Twin Diaphragm Valve combines two diaphragm valve bodies in one valve block assembled with two pneumatically operated diaphragm valve actuators. The twin diaphragm valve has one inlet and one outlet tube end. The valve actuators can be operated independently from each other and optionally are different control components available to visualize and control the process. The major application is the filling of liquids in cans, bottles or barrels. For fast filling both valves can be opened, and for the last part, to control the level and accuracy of filling, only one valve remains open. By using a stroke limiter, the flow rate of the valve which remains open to fill completely, can be adjusted. And helps avoiding foam over or sputtering of the medium.

TECHNICAL FEATURES:

- Competitive filling valve
- High cycle lifetime
- Control air connection in or 90° to flow direction
- CDSA sealing concept, easy to clean
- Compact solution
- Low weight
- Optimized internal design for maximum flow rate
- Less welding
- Higher filling volume with the same DN size
- The sizes manufactured from casting are available in material 1.4435/316L ASME BPE
- Encapsulated Diaphragm
- Smooth exterior design ideal for wash down
- Available with a wide range of control equipment and accessories.



Dimensions:

188.MF22.20.7.45.51.4HS.02 S8119-D

Butt weld spigots acc. ASME BPE MFS length (19,05mm x 1,65mm)

188.MF22.15.7.42.51.4HS.02 S8119-D

Butt weld spigots acc. DIN 11850 R2 (19mm x 1,5mm)

P&ID

→ Drain direction



Technical data:

Pneumatically operated

Fail safe close (NC)

Max. working pressure:

Unidirectional (delta p =100%)

EPDM diaphragm 8 bar (115 psi)

PTFE diaphragm 7 bar (100 psi)

Control pressure:

4,2 - 7 bar (60 - 100 psi)

Diaphragm material: EPDM or PTFE

Valve body material: Investment cast 1.4435/316L

End connection:

Butt weld ends

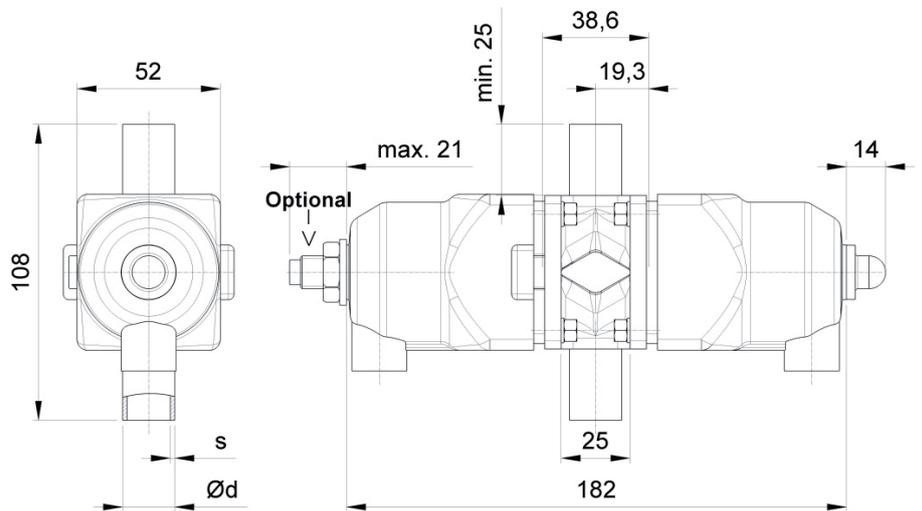
Clamps and flanges

Special ends

Flow rate: Kv in m³/h 6.5

Both actuators open

Weight: 0.88 kg



Dimensions:

402.MF22.25.7.42.30.4HS.02 S8143-D

Butt weld spigots acc. DIN 11850 R2 (29mm x 1,5mm)

Technical data:

Pneumatically operated

Fail safe close (NC)

Max. working pressure:

Unidirectional (delta p = 100%)

EPDM Diaphragm 10 bar (150 psi)

PTFE Diaphragm 8 bar (115 psi)

Control pressure:

4,5 - 7 bar (65-100 psi)

Diaphragm material: EPDM or PTFE

Valve body material :
Investment cast 1.4435/316L

End connections:

Butt weld ends

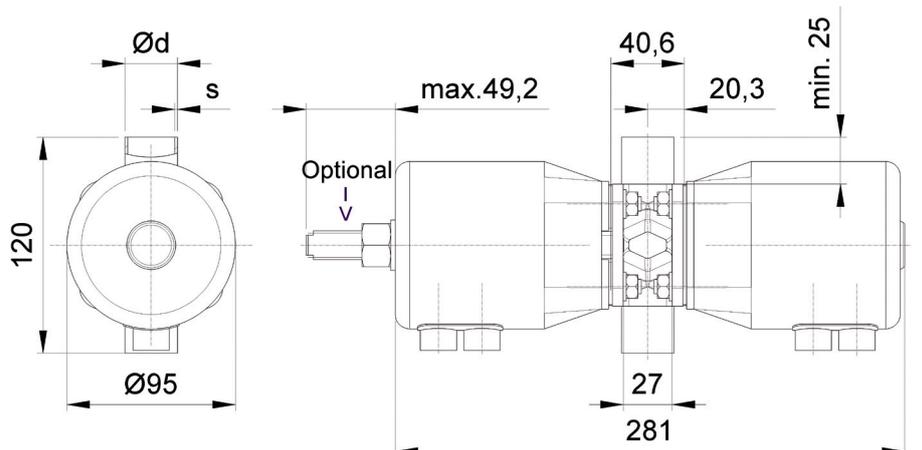
Clamps and flanges

Special ends

Flow rate: Kv in m³/h 19.8

Both actuators open

Weight: 2.73 kg



Other versions on request.

Aliaxis
UTILITIES & INDUSTRY

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