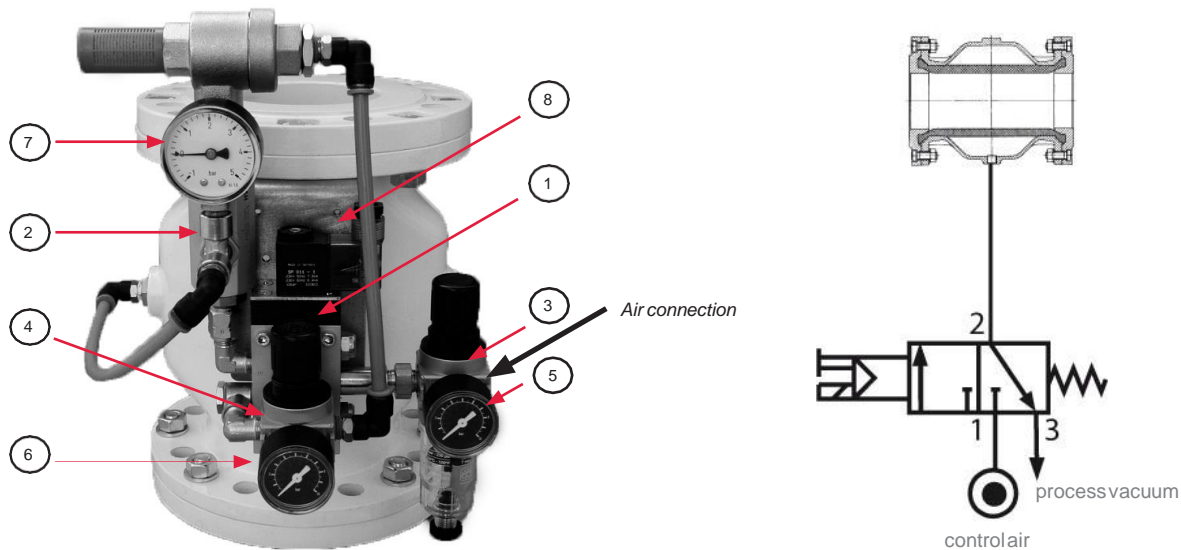


Pinch Valve in Vacuum Applications

Description:

If a pneumatic AKO pinch valve is put under pressure by vacuum $> -0.1\text{bar}$ in terms of the medium used (in the pipeline), the valve's sleeve will be deformed by the vacuum. This will have a negative effect on the product's flow rate and the life of the AKO pinch valve sleeve.

The pinch valve sleeve can be opened or kept open by means of the AKOVAC's control unit.
A vacuum mode of up to -0.8bar can be generated in the feed pipe (pipeline) in terms of the medium.



The AKOVAC Comfort model allows for the specific setting of separate pressures on the control unit for the control pressure for closing the pinch valve (by turning the pressure regulator (4), pressure monitoring by the manometer of the pressure regulator (6)) and the control pressure which regulates the level of vacuum (by turning the filter regulator (3), vacuum monitoring by the manometer (7)).

Therefore, the lower operating pressures required for use with vacuum (1-2 bar) for closing the pinch valve, and, if applicable, the slightly higher operating pressures used to achieve the ideal level of vacuum to compensate for the medium's vacuum can be adjusted separately to one another.

→ The control pressure to close the pinch valve which get adjusted by the pressure regulator (4) can not be higher than the control pressure which get adjusted by the filter regulator (3) for the vacuum level.

Consisting of:

- Solenoid Valve (1)
- Vacuum pump (2)
- Filter regulator (3)
- Pressure regulator (4)
- Pressure supply gauge (5)
- Pressure closure gauge (6)
- Vacuum gauge (7)
- Mounting bracket (8)

The AKOVAC Basic model only allows a control pressure which regulates that needed for closing the pneumatic pinch valve and at the same time the level of vacuum.



Technical details subject to change without notice.



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AKOVAC basic