

Operating Instructions for Manual Pinch Valves

OV series, type M, DN 15 to 250 mm

Important information:

Please ensure you read these operating instructions before each installation. Faulty installation or incorrect commissioning can lead to damage in the plant or equipment and to personal injuries. The firm AKO does not give any guarantee for damage resulting from improper handling.

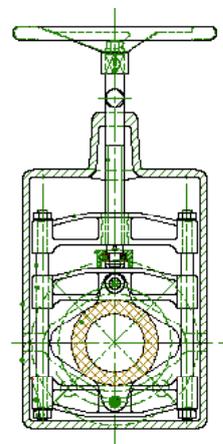
Stocking:

Stock the valves in a dry place, sheltered from bad weather and from the light (UV).

Technical operating data:

The operating pressure (pressure of the medium) must not exceed the following levels:

- for DN 15 to DN 100 = 5 bar
- for DN 125 to DN 200 = 3 bar
- for DN 250 = 2 bar



Selection of the materials for the individual valve parts:

Selection of the correct materials is dependent on several factors, such as for example: medium properties (pressure, temperature, etc...), ambient criteria (temperature, the effects of weather, etc...) and customer/application specifications. Our "sleeve qualities" overview and the competent advice provided by AKO will help you to select the correct sleeve. Please ensure adequate UV protection when storing sleeves. UV radiation leads to premature aging of the sleeve.

Maintenance / Replacing the sleeve:

AKO pinch valves do not require any special maintenance. Only the sleeve is subject to wear dependent on the mediums. The sleeve can be easily and quickly replaced on site. The plant or equipment must be switched off during the whole time taken for the sleeve change. An adequate shut off for the product flow must be provided. On request, the sleeve can also be changed by AKO. A functioning control is recommended every 3 months if the valves are not operated.

Installation in the plant or equipment:

A functional test must always be carried out before installing the pinch valve. If necessary, put the wheel in place using the nut. Ensure that the sleeve leans against the flanges. Ensure that the flange surfaces are clean and undamaged. **Important:** Please use only pipe connection flange with nominal bore/diameter and adequate sealing surface. The sleeve serves as a seal and does not require additional flange seals. The screws must be tightened uniformly (first 50% then 100%) and in a diagonally opposite sequence. During the installation it may be necessary to retighten the flange screws several times to secure the sealing effect. **Caution:** Avoid stress on the bolts/valve body when installing the valve onto the pipe. Also, large vibrations in the plant can destroy the valve or the connections. During the commissioning the valve has to be imperatively opened.

Safety instructions:

When controlling the pinch valve it is imperative that you ensure that no bodies or tools or other parts can get into the pinch valve. The pinch valve (imperatively opened) may only ever be dismantled if the plant has been switched off and depressurised. The respective safety data sheets must be observed before each contact with the media/products. Suitable pressure limiters and/or safety valves must be installed to prevent the max. permissible operating / control pressure from being exceeded. If handled and used properly, and AKO original parts are used, we give a guarantee of two years for all valves. Parts subject to wear are not covered by the guarantee. Please contact us if you have any further questions or queries.