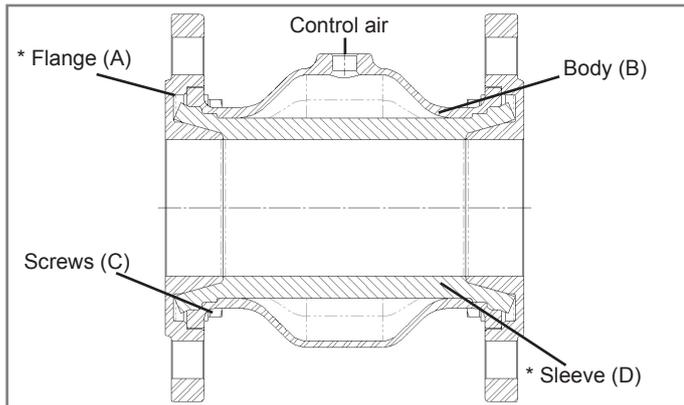


# Maintenance / repair of pinch valves

## Series VMC DN 65 to 80, type F + FA



### Removing the old sleeve

Position the valve with screws (C) at the top and hold it tightly from the side. Unscrew the screws (C) with a ratchet or screw-wrench and fitted tool (Screw head: hex SW 10/12). To avoid tension on the valve, ensure loosening of the screws (C) from adjacent sides, then turn the valve through 180 degrees and unscrew the other screws in the same way. Afterwards remove both flanges (A) from the body (B) unit. Now either push the old sleeve (D) out of the body (B) or use a pipe wrench to pull it out. This can be made easier by using the AKO-mounting paste (MP200 or MPL200) in-between the sleeve (D) and body (B). Now clean all single valve parts and check them for damage, particularly the socket end covers (A) for wear, and if necessary replace them.



pic. 1



pic. 2

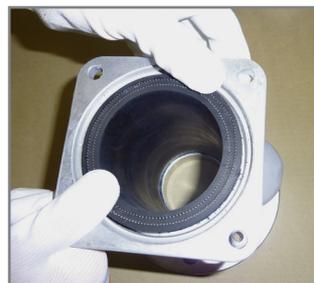
### Installation of the new sleeve

**Picture 1:** Push sleeve (D) into body (A), so that the sleeve in the body protrudes about 5-6mm upward. In case it is too hard, please use some AKO mounting paste (MP200 or MPL200) in-between sleeve (D) and body (B).

**Note:** For pinch valves that are used in food or pharmaceutical industries, please use exclusively AKO mounting paste MPL200.



pic. 3



pic. 4

**Picture 2:** Lubricate both inside ends of the sleeve (D) and the cone surface of the flange (A) with a bit of AKO-mounting paste (MP200 or MPL200).

**Picture 3:** Put the flange (A) with the sealing surface to the bottom and put the cone extension onto a stable surface. Now take the body (B) with the inserted sleeve (D) and put the 5-6mm outstanding sleeve end angle on the cone extension of the flange and press the body (B) with the sleeve (D) firmly above the cone extension. Before screwing the screws (C) lubricate them with suitable grease so that the screw connection does not get damaged.



pic. 5



pic. 6

**Picture 4:** Now adjust the through holes of the body (B) so they are aligned with the threaded holes of the flange (A).

**Picture 5:** Keep the body (B) compressed and tighten the screws with the ratchet/ screw-wrench until the screws (C) are completely flush with the threaded holes of the flange (A).



pic. 7



pic. 8

**Picture 6:** Then turn the valve through 180 degrees and position it again ready for assembling.

**Picture 7:** Now mount the second flange (A) the same way as described (pictures 3-5). Afterwards check all screws (C) for correct torque (max. 20Nm).

**Picture 8:** Finished + completed re-sleeve of VMC valve.

### \*Replacement / Maintenance parts:

Flange (A), Screws (C), Sleeve (D)

**Assembly tool:** AKO mounting paste MP200 / MPL200  
*If necessary, use of 2x mounting screws M10x30 ISO 4017*