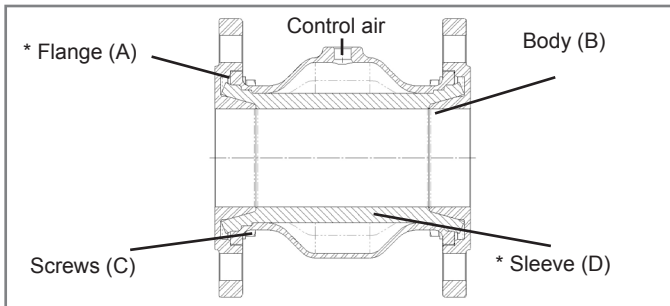


# Assembly Instruction for AKO Pinch Valves

## Series VMC DN 100 to 150, type F + FA



### Removing the old sleeve

Loose bolts (C), take off flanges (A).  
Pull out old sleeve (D) by using a pipe wrench.  
If helpful, lubricate AKO mounting paste (MP200/MPL200) between rubber (D) and internal body (B) surface.  
Clean all valve parts and inspect for wear.

### Installation of the new sleeve

**Picture 1:** Lubricate following parts with AKO mounting paste (MP200/MPL200)

- inside and outside surfaces of sleeve (D),
- cones of flanges (A) and
- inside surface of body (neck area).

**Note:** Do not use any grease or oily paste!

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

**Picture 2:** Push sleeve (D) into body (B) until it is centred.

**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. Screw in two mounting bolts diagonally.

**Picture 4:** Assemble the second flange (A) as described in pic. 3

**Picture 5:** Push mounting pipe into the valve (5/6 length of the sleeve). Put 3 bar air through the air inlet to pressurize the sleeve.

**Picture 6:** Tighten the mounting bolts on both flanges (A).

**Picture 7:** Release control air from body (B) and remove mounting pipe. Insert 2 standard bolts (C) per flange side (A) into the other two holes and tighten. Then replace the mounting bolts on each flange with standard bolts (C) and tighten.

**Picture 8: Functional test:** When closing the pinch valve for the first time, a control pressure of 3bar must be applied to enable the sleeve to close fully, showing a lip-shaped form in the sleeve. In case the sleeve fold triangular, please put a suitable piece of wood with the small part facing to the air inlet, similar to the mounting of pinch valves V+VF DN100-DN250 (pic. 8). Please repeat this procedure four times with maximum 3bar closing pressure.

### \*Replacement / Maintenance parts:

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

**Assembly tool:** AKO mounting paste MP200 / MPL200  
If necessary, use of 4x mounting screws M12x45 DIN933

Technical details subject to change without notice.



Pic. 1



Pic. 2



Pic. 3



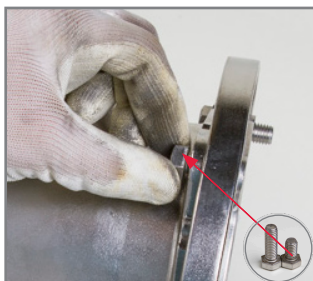
Pic. 4



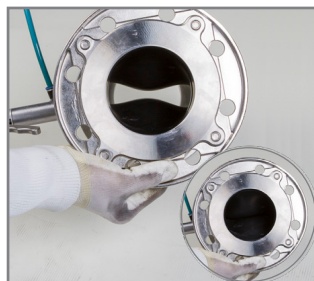
Pic. 5



Pic. 6



Pic. 7



Pic. 8

**CAUTION:** DO NOT USE ANY SHARP TOOLS DURING ASSEMBLY, IT MAY DAMAGE VALVE PARTS!



<http://www.pinch-valve.com/en/products/air-operated-pinch-valves/with-flange-connection/vmc-series.html>

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