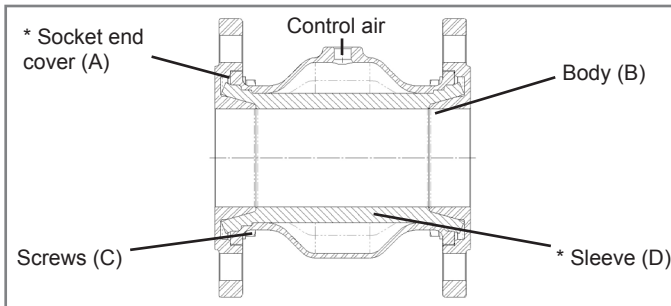


# Assembly Instruction for AKO Pinch Valves VMC

## Series DN100 to 150, type G, N, T, TA, R, RA, M, F, FA



### Removing the old sleeve

Loose bolts (C), take off socket end covers (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 socket end covers (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:** Position the valve unit with one hand and hold in place; with the other hand, position the socket end cover cone (A) diagonally in the sleeve (D) and push in. Screw in two mounting bolts diagonally.

**Picture 4:** Assemble the second socket end cover (A) as described in pic. 3. Then insert the assembly pipe in the centre of the valve. Apply approx. 3 bar to the body (B) via the control air connection.

**Picture 5:** Tighten the mounting bolts on both socket end covers (A).

**Picture 6:** Release control air from body (B) and remove mounting pipe. Insert 2 standard bolts (C) per socket end cover and tighten.

**Picture 7:** Then replace the mounting bolts on both socket end covers 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:

Socket end covers (A), Screws (C), Sleeve (D)

**Assembly tool:** AKO mounting paste MP200 / MPL200  
If necessary, use of 2x mounting screws M12x45 DIN933

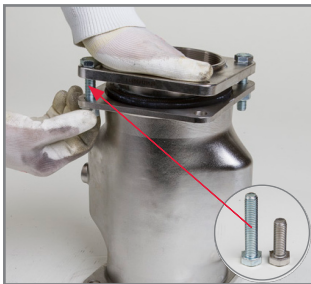
Technical details subject to change without notice.



Pic. 1



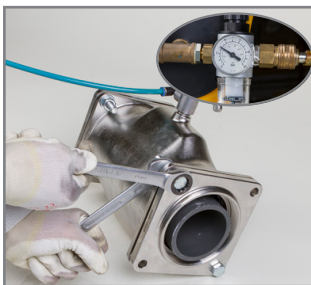
Pic. 2



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/downloads/assembly-videos.html>

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