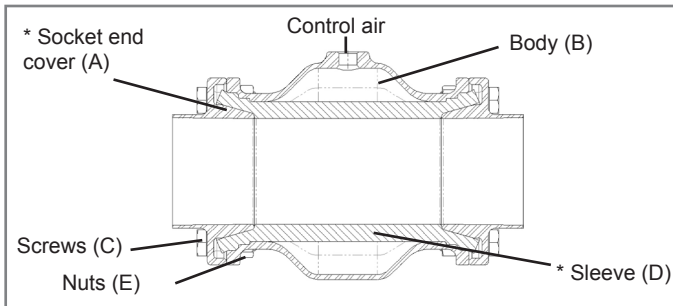


Maintenance / repair of pinch valves

Series VMC DN 100, type G, M, R, RA, T, TA



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, for food sector 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, for food sector 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.

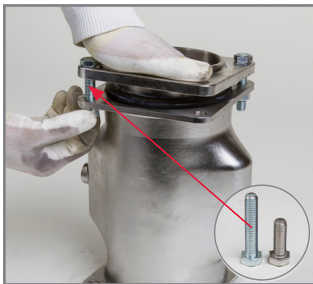


Pic. 1



Pic. 2

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



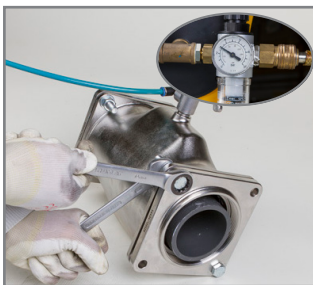
Pic. 3



Pic. 4

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.



Pic. 5



Pic. 6

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.



Pic. 7



Pic. 8

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-DN3000 (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, for food sector MPL200)

If necessary, use of 2x mounting screws M12x45 DIN933

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

<http://www.pinch-valve.com/videos>

Technical details subject to change without notice

AKO Armaturen & Separationstechnik GmbH

D-65468 Trebur-Astheim • Adam-Opel-Str. 5 • Phone: +49 (0) 61 47-9159-0 • Fax: +49 (0) 61 47-9159-59

E-Mail: ako@pinch-valve.com • Internet: www.pinch-valve.com