

MANUAL

Pinch valve AL 47-VMP

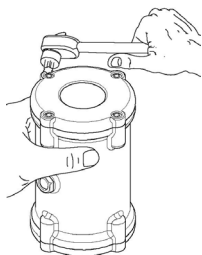
AKO air operated pinch valve AL 47-VMP dimension DN 10-50

Assembly aid:

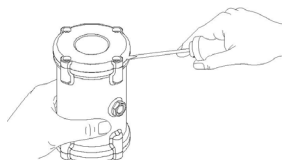
AKO assembly paste MP200 or MPL200 for the food sector

Dismantling

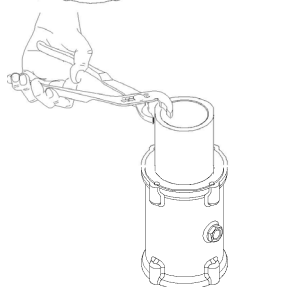
Place the pinch valve facing upwards and hold it tightly on the body. Loosen the screws crossways with a ratchet (T30 Torx bit). Then turn the pinch valve and also loosen all screws crossways.



Lift both socket end covers off the valve unit. Use a slot screwdriver to do this if necessary.



Push or pull the sleeve through the pressure zone rings out of the body. This is made easier by using AKO assembly paste (MP200/MPL200) as lubrication between the sleeve and pressure zone ring.

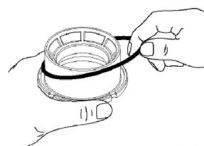


Clean all individual parts afterwards and check the parts for damage as well as for ageing and porosity. Replace damaged parts.

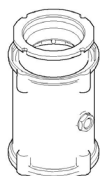
Replace the body following two assemblies to ensure the thread strength.

Assembly

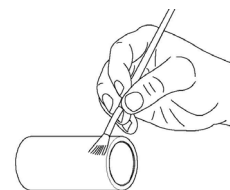
Pull the sealing ring over the pressure zone ring and push it into the designated groove. Repeat the process for the second pressure zone ring.



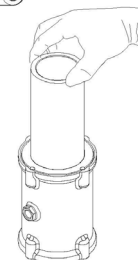
Slide both pressure zone rings including the sealing ring into the body.



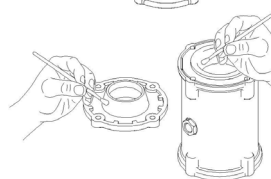
Apply a thin layer of AKO assembly paste (MP200/MPL200) to the outside of one end of the sleeve.



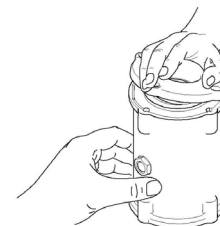
Slide the coated end of the sleeve through the first pressure zone ring into the body until the sleeve through the second pressure zone ring is flush with the bottom edge of the body.



Apply enough AKO assembly paste (MP200/MPL200) to both ends of the sleeve and to the cone of the socket end cover.



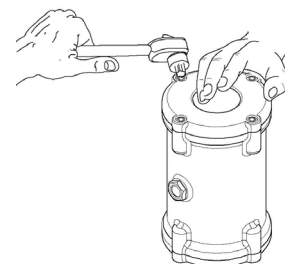
Position the valve unit with one hand and hold it firmly. Insert the socket end cover diagonally into the sleeve with your other hand and push in the socket end cover.



Align the socket end cover with the screw holes flush with the holes in the body. Insert the screws into the designated holes.



Push and hold the socket end cover and tighten the screws crossways with a ratchet until the socket end cover is sitting on the body. Check all screws have an adequate tightening torque (max. 4 Nm).



Turn the valve unit 180° and position it again.

Repeat the process for the second socket end cover.

Check the function of the pinch valve by closing the pinch valve with minimal control pressure. Make sure that it closes correctly to form a lip shape.



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

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