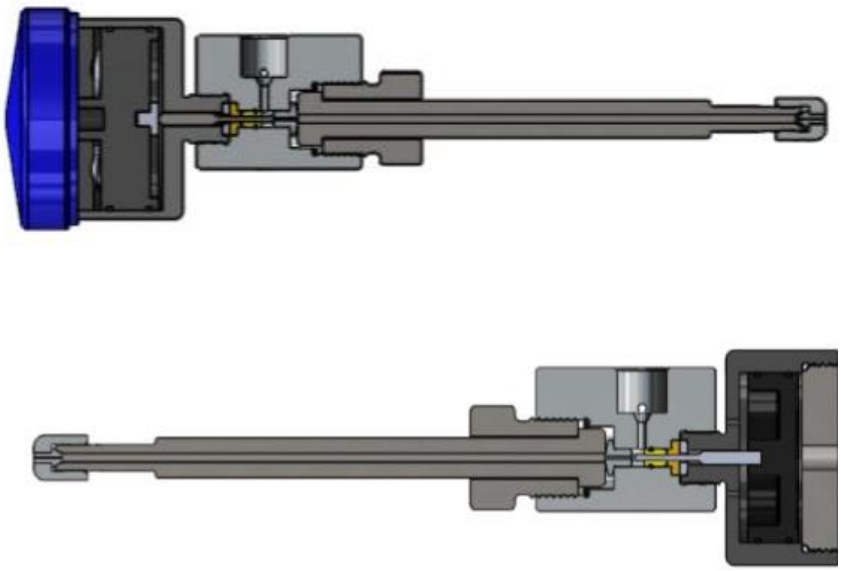
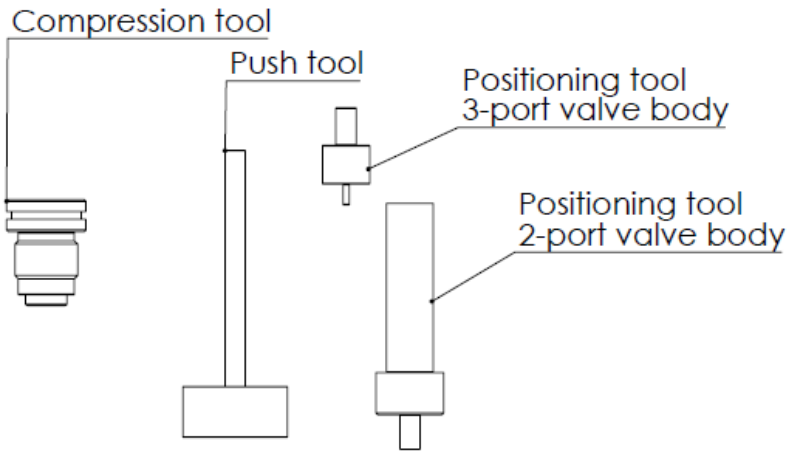
AQUALON
Waterjet Technology Sweden AB

Service and Installation guide of sealing kit for Pneumatic control valve



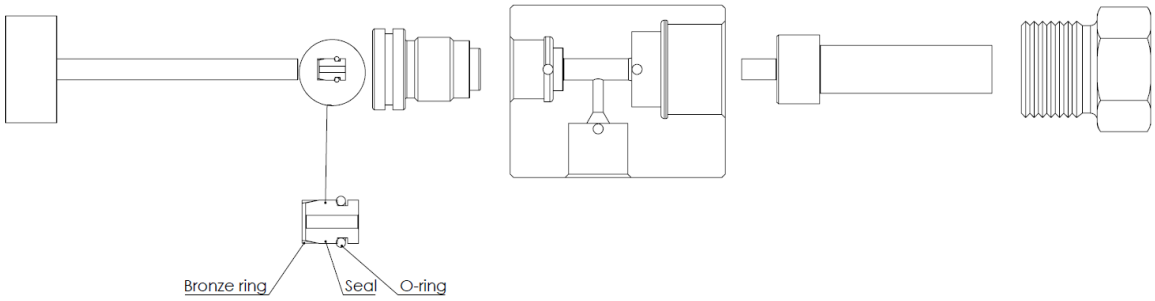
For this installation procedure you need the following items.

- 11099 - valve seal kit tool
- 10196 - Purity goop anti-seize compound
- 10203 - FML2
- Torque wrench for gland nut crowfoot

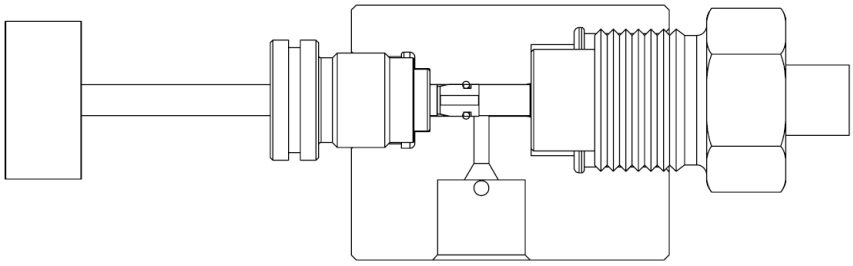


1. Seal installation

Insert the position tool in the gland nut and thread the gland nut in to the valve body. Thread the compression tool into the valve body. Apply FML2 on the seal and o-ring and Insert the seal into the compression tool, note the orientation of the valve seal. Use the push tool to push in the seal into the valve body.

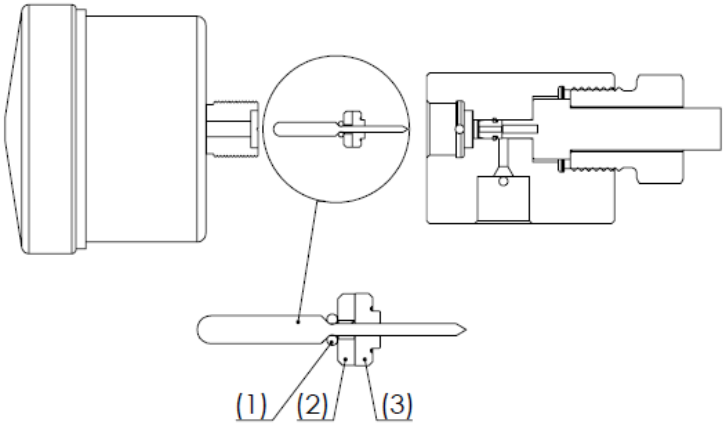


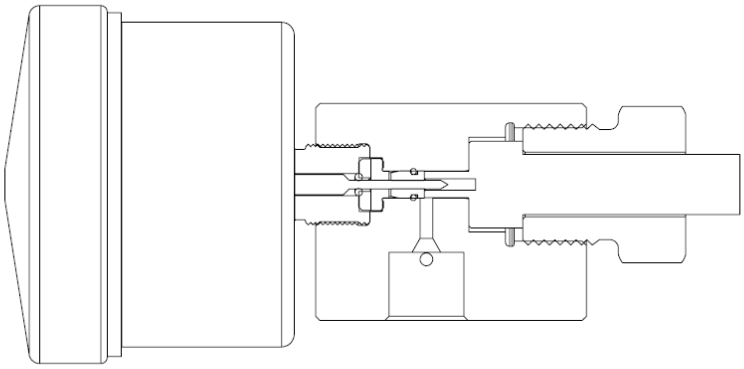
Complete overview of installed valve seal is shown below.



2. Stem installation

Remove the push and compression tool from the valve body. Apply FML2 on the surface on the stem. Push on the o-ring (1), bearing disk (2) and back up ring (3) on the stem as shown in the picture below with the vee-grove on the bearing disk (2) facing the brass back up ring (3). Apply FML2 on the surface on the stem. Insert the stem into the actuator and thread down the actuator to guide the stem on place. Thread down the actuator until resistance is felt, reverse ¼ lapse and give it a spin clockwise to seat it.





3. Seat installation

Apply a thin layer of purity goop on the seats sealing surfaces. Apply goop on the threads on the gland nut, thread down the gland nut together with the nozzle tube by hand until resistance is met.

- N/O actuator – Tighten the the gland nut with 68 Nm (50 ft-lbs).
- N/C actuator – Connect the air supply to the actuator and turn on the compressed air to open the valve. Tighten the the gland nut with 68 Nm (50 ft-lbs).

  Caution! ***Tighten the gland nut without applying compressed air to the actuator could result in damage to the seat and stem.***