Discharge valve 10/16/20 mm

schmizo swiss scientific glass

Manual

Components (Picture 1):

1: Valve stem PTFE. **2:** Fixing screw. **3:** Valve knob with thread and integrated pressure spring **4:** Seal seat conical with O-Ring joint. **5:** Spacer **6:** Coupling nut **7:** Spring. ***Notice: All parts are exchangeable.***

Assembling (Pictures 2 - 8)

- Place the coupling nut over the glass flange **(pict. 2)**.
- Put the spacer and seal seat over the valve stem **(pict. 3 + 4)**.
- Turn back the valve knob, until approx. 15 mm of the thread is visible **(pict. 5)**.
- Put in the valve into the glass part and pay attention that the shorter end of the seal seat **(pict. 4)** is placed in the direction of the reactors discharge and the dent of the fixing screw fits into the kerf of the glass part **(pict. 5)**.
  Hint: *Insert the valve with circling moves, if the seal seat is blocked.*
- Connect the fixing screw with the coupling nut with approx. 5 turns **(pict. 6)**.
- Put in the spring in the opening of the coupling and tighten the screw **(pict. 7)**.
- Close the valve completely and then do 1 turn back **(pict. 8)**.
  Notice: The valve is equipped with a pressure spring to avoid extensions between the glass part and the valve causing dangerous tension. To assure this function the screw should not be closed completely.

Disassembling

Release the coupling nut and draw out the spring. Draw out the valve with circling moves.
Hint: In case the seal seat is blocked, put in the valve stem without the spacer for approx. 30 mm and try to draw out the seal seat with circling moves.

Working temperatures

-30°C to 200°C (with limited leak tightness up to - 100°C).
Notice: If using O-rings, please consider the working temperature of the O-ring.