Claims

1. Valve cartridge having a head piece (1, 1’)centrally penetrated by a spindle (2, 2’), by means of which a valve can be actuated, which rests against a shoulder (15) formed by an inner diameter reduction of the head piece (1, 1’), wherein the spindle (2, 2’) is sealed with respect to the head piece via at least two O-rings (91, 92), wherein a reducing sleeve (5, 5’) is introduced into the head piece (1)via a first O-ring (91), wherein the spindle (2, 2’) is sealed with respect to the reducing sleeve (5, 5’) via a second O-ring (92), characterized in that the spindle (2, 2’) has an axial through-bore (21) for the passage of water.

2. Valve cartridge according to claim 1, characterized in that the reducing sleeve (5, 5’) has an annular groove (52, 55) for receiving the first O-ring (91) on its outer side facing the head piece (1,1’).

3. Valve cartridge according to claim 2, characterized in that the reducing sleeve (5, 5’) has on its inner side facing the spindle (2, 2’)a sealing surface for abutment of the second O-ring (92), which is arranged parallel opposite or axially offset to the annular groove (52,

55), preferably on its side of the annular groove facing the valve.

4. Valve cartridge according to claim 3, characterized in that the sealing surface is formed by a section (54) of the reducing sleeve (5, 5’) of enlarged inner diameter.

5. Valve cartridge according to one of the previous claims, characterized in that the reducing sleeve (5, 5’) has a circumferential collar (53) at the end, with which it rests on the head piece (1) or in that a groove (56) for engagement of a groove ring (57) is introduced into its outer surface.

6. Valve cartridge according to one of the previous claims, characterized in that the spindle (2, 2’) is axially displaceable in the head piece.

7. Valve cartridge according to claim 6, characterized in that the spindle (2, 2’) has a coupling portion (25) outside the head piece with a non-circular, preferably a polygonal cross-section.

8. Valve cartridge according to one of the previous claims, characterized in that the valve is formed by a control

disc (3) and an inlet disc (4) which lies thereon and is non-rotatably held in the head piece (1, 1’).

9. Valve cartridge according to one of the previous claims, characterized in that the valve rests against the shoulder in a sealing manner via a sealing ring.

10. Valve cartridge according to claim 8 or 9, characterized in that the spindle (2, 2’) has a driver pin (22) at the end, via which it is connected to the control disc (3) in a form-fitting manner.

11. Fitting, in particular a sanitary fitting, with a water flow channel, into which a valve cartridge according to one of claims 6 to 10 is introduced, wherein the spindle (2, 2’) rests with its free end against a stop (613) arranged in the fitting housing (6) of the fitting.

12. Fitting according to claim 11, characterized in that an actuating part is arranged, which is positively connected to the coupling portion (25)designed in a non-circular manner for this purpose, wherein the actuating part comprises a pivotable lever or a motor drive, in particular an electric motor (8).

13. Fitting according to claim 11 or 12, characterized in that a water inlet connection and a water outlet connection are arranged, which are aligned with one another and between which the valve cartridge is arranged.