
Model 17 TeeValve® Maintenance Instruction

The Model 17 TeeValve provides complete control of a 3-section spray boom. The control lever may be set to one of seven indexed locations for opening any of 3 boom sections. The handle is raised to open the valve and lowered to close the valve or select a different setting.

The TeeValve is equipped with an inlet (1" NPT) located on the lower, rear portion of the body. Boom sections should be connected to the remaining 3 ports (3/4" NPT) on the rear of the body.

The two side ports (3/4" NPT) can be used for spray guns, throttling valves, pressure relief valves, or can be plugged. The TeeValve is also equipped with a port (1/4" NPT) on the top of the body for mounting a pressure gauge. Flow will be delivered to the side ports and gauge port regardless of selector lever positioning.

General Disassembly and Reassembly

1) Rotate handle (2) to the "A" position on cover plate (10). **Note:** The handle must be placed in the "A" position in order for the TeeValve to be assembled or disassembled.

2) Remove cover screws (9) and slide handle-cover assembly out of body (20).

3) Valve stems (19) and/or springs (18), as well as gasket (11), can be replaced with the handle-cover assembly removed from the body (20).

If no further repair is needed the TeeValve can now be reassembled. If packings (12) need to be replaced please follow below instructions for further disassembly.

4) Place the handle-cover assembly in a vise with the hexagon section of the guide nut (17) as the clamping point. The main spring (14) can be compressed to ease removal of the handle (2).

5) Remove the cotter pin (1), rivet (3), handle (2), washer (4), selector (5), and spacer (7).

6) Slide the cover plate (10) off the main stem (8) and remove packings (12). The packing gland (13) must be placed on the stem (8) so the flat side is resting against the spring (14).

7) Slide packings (12) onto stem (8) and carefully work them into hole on the cover plate (10).

8) Install spacer (7) and place selector (5) onto stem (8) with selector tip pointing in the same direction as the arrow on the cam (16). The handle (2) should be placed so that it extends opposite the selector pointer (5) with the rounded corner of the handle facing the washer (4).

9) While compressing spring (14), reinstall handle (2), rivet (3) and cotter pin (1). Rotate handle to "A" position. Place cover assembly back into body (10) and replace screws (9).

Seat Plate Replacement

1) Rotate handle (2) to the "L.C.R." position and raise handle so that all ports are "open."

2) Remove the three outlet adapters (22) and seat plates (21) from body (20).

3) Place new seat plates (21) on the shoulder of outlet adapters (22) and screw adapters (22) back into body (20).