

Operating and Maintenance Instructions

Model No:

S06-QEV, SE06-QEV, S09-QEV, S12-QEV, SE12-QEV, S19-QEV, S25-QEV, AS06-QEV, AS09-QEV, AS12-QEV, AS19-QEV, AS25-QEV

The following instructions also cover brass models and valves with additional K and L options.

Diagrams

Fig 1: S06-QEV

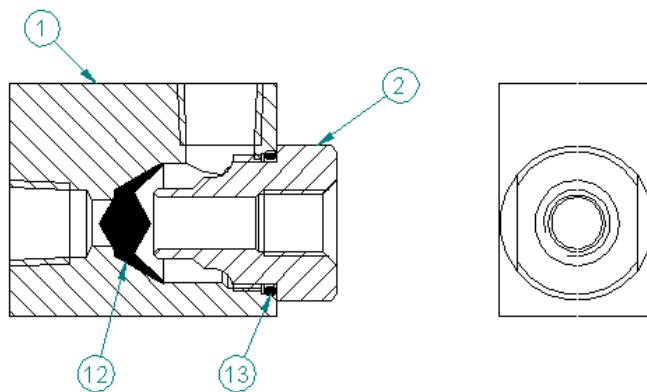


Fig 2: SE06-QEV

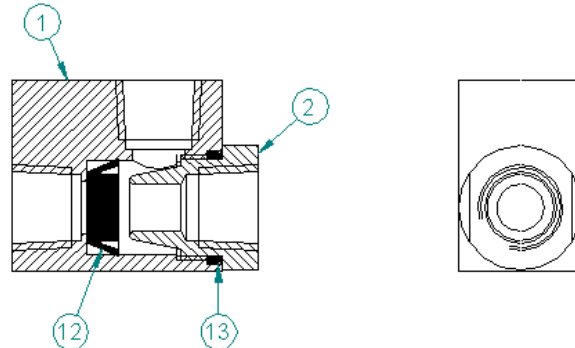


Fig 3: S09/S12-QEV

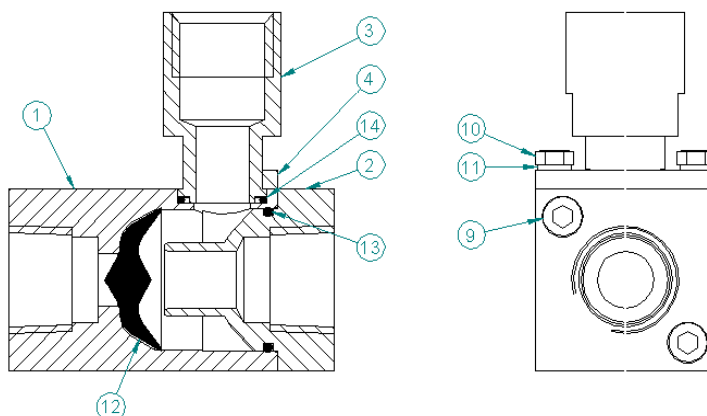


Fig 4: SE12-QEV

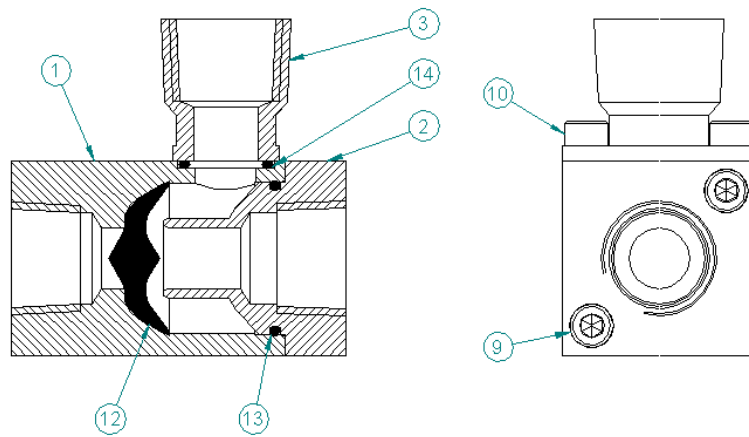


Fig 5: (A)S19/(A)S25-QEV

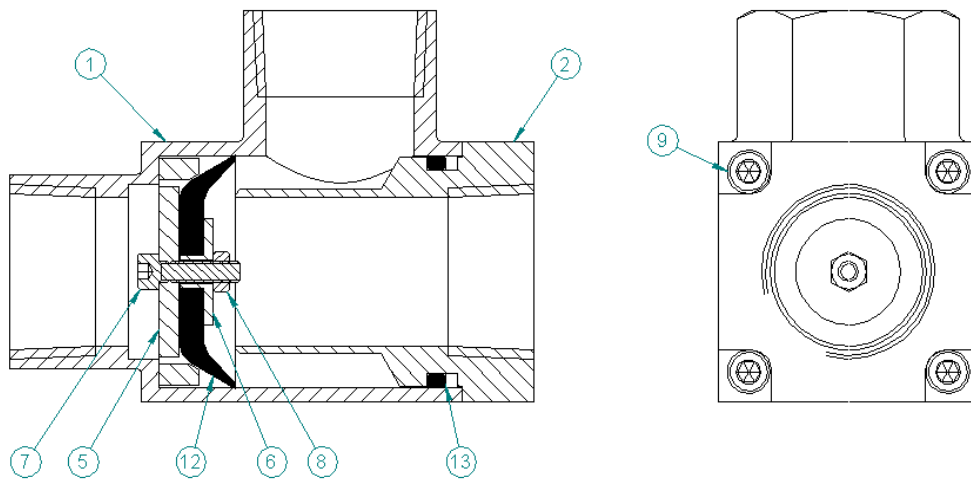
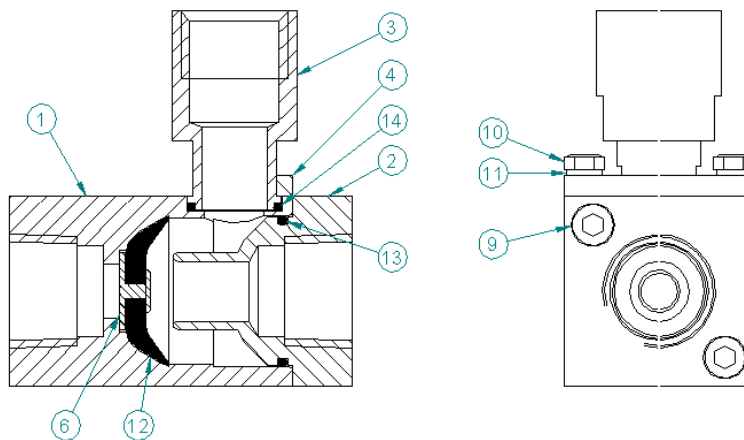


Fig 6: AS06/AS09/AS12-QEV



Ordering Seal Repair Kits

To order a seal repair kit, prefix the model number with the letters “SRK”, eg. SRKS06-QEV. When possible, advise the valve serial number to ensure the correct kit is supplied.

Replacing the seals

Remove the end cap (Item 2) by removing socket head cap screws (Item 9) or by unscrewing the cap for models S06-QEV and SE06-QEV. Remove the shuttle / shuttle assembly (Item 12).

For (A)S19/(A)S25-QEV:

Unscrew socket head cap screw (Item 7) and dismantle shuttle assembly. Replace old shuttle and re-assemble ensuring correct orientation.

For AS06/AS09/AS12-QEV:

Remove shuttle support (Item 6) and fit new shuttle ensuring correct orientation.

Lubricate new shuttles with ‘*Magnalube G*’ or similar and fit into the valve body ensuring correct orientation. Remove the O-ring (Item 13) from the end cap (Item 2). Lubricate and fit the new O-ring. Refit the end cap.

For S09/S12/AS06/AS09/AS12-QEV:

Remove the port block assembly (Items 3, 4, 14) by unscrewing hex head screws and spring washers (Items 10, 11). Remove the O-ring (Item 14) from the port block assembly. Lubricate and fit the new O-ring. Refit the port block assembly.

For SE12-QEV:

Remove the port block (Item 3) by unscrewing socket head screws (Item 10). Remove the O-ring (Item 14) from the port block. Lubricate and fit the new O-ring. Refit the port block.

Testing

This range of valves has a working pressure range of: 0 to 12 bar g.

Test with low pressure to verify correct operation prior to raising the pressure to normal working conditions.

Check the face between the end cap and body for leakage with soap solution or similar, check for leakage at the exhaust port when the valve is in the energised position.

Schematic

