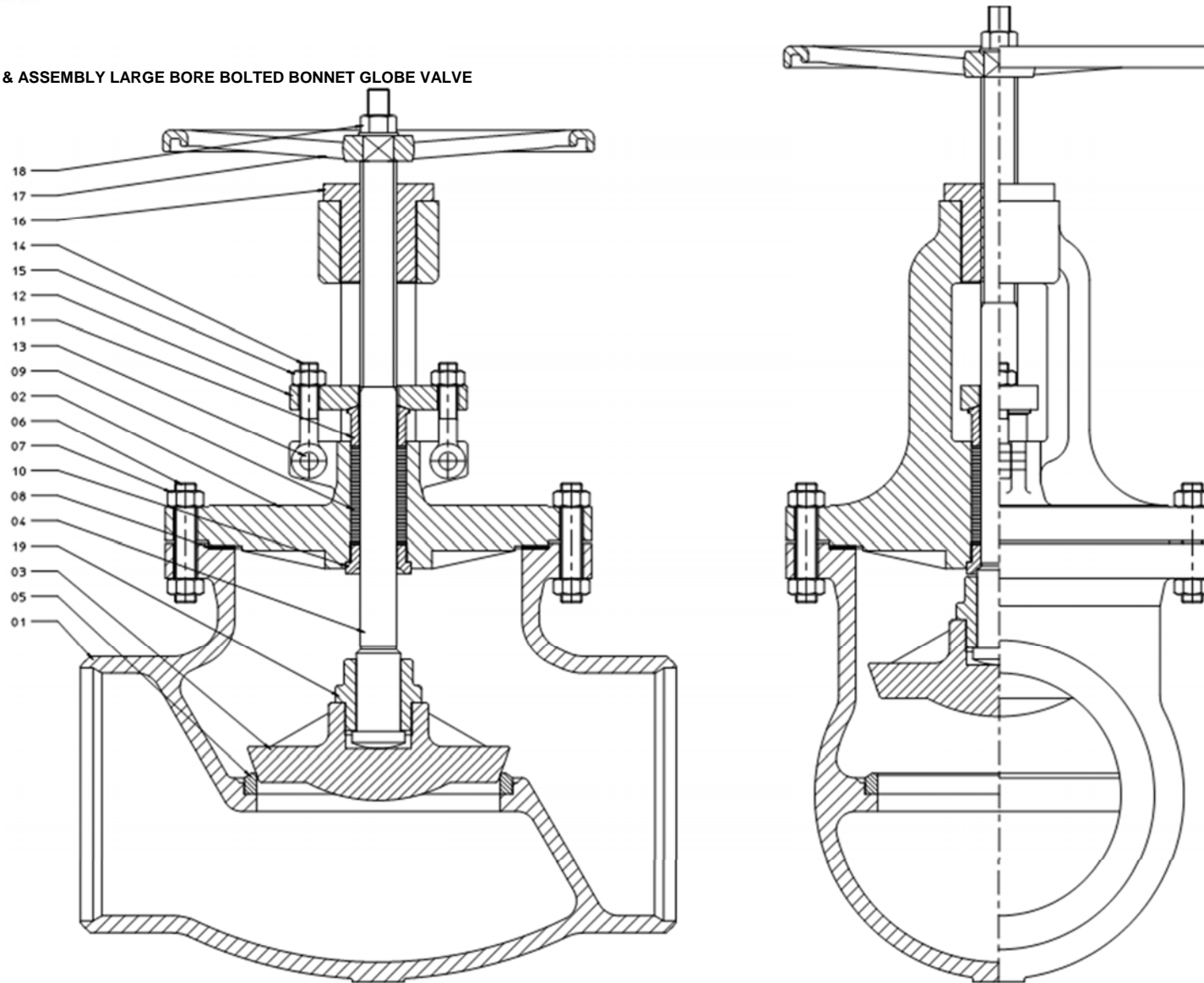


DISASSEMBLY & ASSEMBLY LARGE BORE BOLTED BONNET GLOBE VALVE



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FLOW DIRECTION

### DISASSEMBLY & ASSEMBLY LARGE BORE BOLTED BONNET GLOBE VALVE

1. Caution, before any attempt is made to disassemble, verify that the valve is sufficiently cooled down, depressurised, isolated from system pressure and secured against accidental pressurisation.
1. Unscrew the gland bolting (14) by removing the nuts (15).
2. Loosen the handwheel nut (18) and remove the handwheel (17) from the stem (04) and remove the yoke sleeve (16) by unscrewing it from the yoke (02).
3. In case the valve is equipped with a gearbox or actuator, remove it from the valve by loosening the bolting from below the top flange and rotate the gearbox clockwise to remove it from the stem (04).
4. Remove the gland flange (12) from the bonnet (02) after removing the gland bolting (14-15).
5. Unscrew and remove the bonnet bolting (06) by loosening the nuts (07).
6. Remove the bonnet (02) together with the stem (04) and disc (03) from the valve body (01) using a rope or sling to hoist these parts. The use of chains is prohibited.
7. Remove the gland (11) from the bonnet (02) and slide the stem (04) down out of the stuffing box whilst preventing the backseat (10) from damaging.
8. Disconnect the disc (03) from the stem (04) by unscrewing the disc nut (19).
9. Remove the packing (09) from the stuffing box.

7. Insert a new packing (09) in the stuffing box located in the bonnet (02) and place the gland (11) on top of it.
8. Place the gland flange (12) on top of the gland (11) and tighten the gland bolting (14-15).
9. Install the yoke sleeve (16) in the yoke (02) and place the handwheel (17) on the stem (04) and place the handwheel nut (18) on top of it.
10. In case the valve is equipped with a gearbox or actuator, rotate it counter clockwise on the stem (04) and install the bolting through the yoke flange.
11. Pressurise the system and inspect the valve visually for signs of leakage after start-up.
12. In case leakage is observed, tighten the bonnet nuts (07) and / or the gland nuts (15) until the leaking stops.
13. The valve is now ready for use.

### INSPECTION PRIOR TO RE-ASSEMBLY

1. Thoroughly clean all parts with solvent and a clean cloth.
2. Examine the following parts for signs of damage, i.e. pitting, erosion or scratches:

- A. SEAT (05) – Sealing surface
- B. DISC (03) – Sealing surface
- C. STEM (04) – Packing and backseat area
- D. BACKSEAT (10) – Sealing surface



3. Connect the disc (03) to the stem (04) and tighten the disc nut (19).
4. Insert the stem (04) from the bottom through the bonnet (02) whilst preventing the backseat (10) from damaging.
5. Place a replacement gasket (08) on top of the valve body (01) and put the bonnet (02) together with the stem (04) and disc (03) in place.
6. Insert the bonnet bolting (06) and tighten the nuts (07) in a star pattern, torque the nuts (07) to specification, applicable torque values are given in our IOM.

