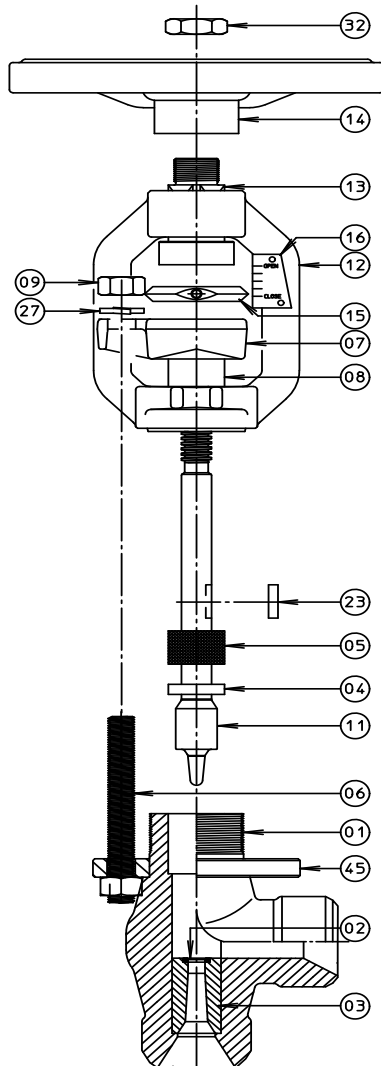


**DISASSEMBLY & ASSEMBLY CONTINUOUS BLOW DOWN VALVE  
WITH FLOATING BACKSEAT**



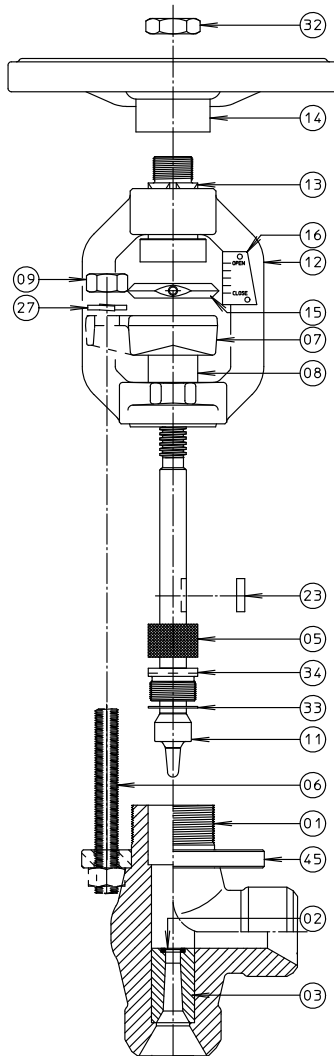
1. Caution, before any attempt is made to disassemble, verify that the valve is sufficiently cooled down, depressurised, isolated from system pressure and secured against accidental pressurisation.
2. Unscrew the nuts (09) from the gland bolts (06) and remove the gland bolts from the gland flange (07).
3. Operate the valve to the open position.
4. Loosen the yoke (12) by rotating it in a counter clockwise direction and unscrew it partly from the body (01).
5. Rotate the handwheel (14) counter clockwise, past the fully open position to force the packing (05) and the floating backseat (04) out of the stuffing box.
6. Unscrew the yoke (12) and pull it together with the remaining parts out of the valve body (01).
7. Unscrew the nut (32) from the yoke sleeve (13) and remove the handwheel (14).
8. Unscrew the stem/disc (11) from the yoke sleeve (13) and remove the position indicator (15), the gland flange (07) and parallel key (23).
9. Remove the gland flange (07), the packing (05) and the floating backseat (04) from the stem/disc (11) by pressing down on the floating backseat (04) whilst holding the stem/disc (11) upside down.

**INSPECTION PRIOR TO RE-ASSEMBLY**

1. Thoroughly clean all parts with solvent and a clean cloth.
2. Examine the following parts signs of damage, i.e. pitting, erosion or scratches:
  - A. SEAT (02) - Sealing surface
  - B. STEM /disc (11) - Packing area
  - C. DISC /disc (11) - Sealing surface
  - D. Backseat (04) - Sealing surface
3. Lubricate all threaded parts with high temperature grease, i.e. Molykote HSC.
4. Insert the stem/disc (11) into the valve body (01).
5. Insert the floating backseat (04) (with radius down) into the valve body (01).
6. Insert the packing (05) (with markings down) into the valve body (01).
7. Insert the parallel key (23) into the stem/disc (11) and grease it with high temperature grease, i.e. Molykote HSC.
8. Place the yoke (12) together with the gland flange (07), position indicator (15) and yoke sleeve (13) (optional with thrust bearing (26)) over the stem/disc (11) and screw the yoke (12) on the valve body (01) by rotating it clockwise.
9. Align the gland flange (07) to the correct position whilst sliding the parallel key (23) in the designated slot provided in the gland flange (07). Now fixate the gland flange (07) with the gland bolts (06).
10. Rotate the yoke sleeve (13) counter clockwise until it is in contact with the yoke (12).
11. Install the handwheel (14) to the yoke sleeve (13) and fixate it with the sleeve nut (32).
12. Tighten the gland bolting (06/09) to compress the packing.
13. Loosen the gland nuts (09). Then carefully retighten the gland nuts (09) again.
14. Pressurise the system and check the packing (05) for signs of leakage.
15. In case leakage is observed, tighten the gland nuts (09) carefully until the leaking stops.
16. Adjust the position indicator (15) and fixate it with the hexagon socket screw.
17. The valve is now ready for use.



**DISASSEMBLY & ASSEMBLY CONTINUOUS BLOW DOWN VALVE  
WITH FIXED BACKSEAT**



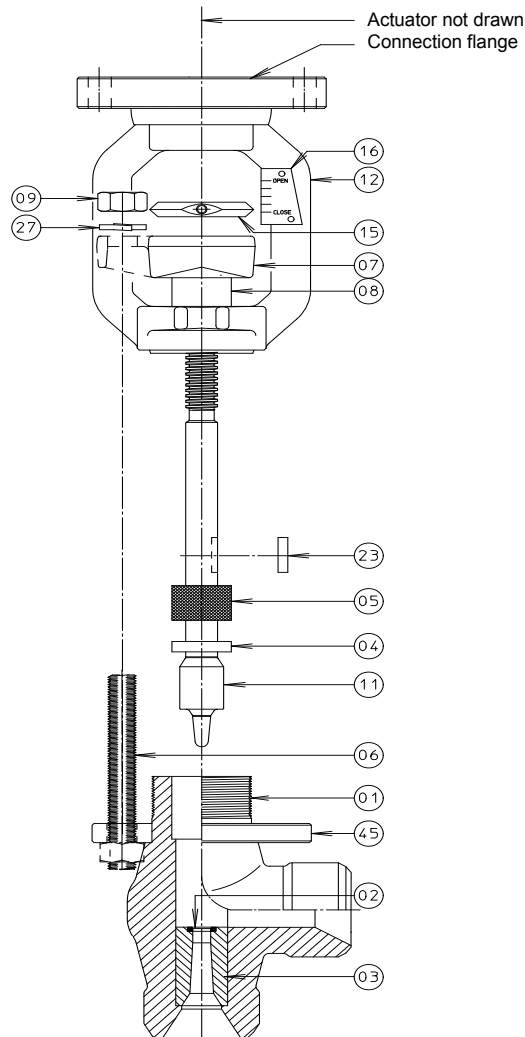
1. Caution, before any attempt is made to disassemble, verify that the valve is sufficiently cooled down, depressurised, isolated from system pressure and secured against accidental pressurisation.
2. Unscrew the nuts (09) from the gland bolts (06) and remove the gland bolts from the gland flange (07).
3. Remove the hexagon socket screw from the position indicator (15).
4. Loosen the yoke (12) by rotating it counter clockwise.
5. Unscrew the yoke (12) from the valve body (01) while rotating the handwheel (14) clockwise to unscrew the stem/disc (11) from the yoke sleeve (13) until it disengages. Remove the yoke (12), position indicator (15) and gland flange (07) from the valve body (01).
6. Remove the sleeve nut (32) which secures the handwheel (14) and remove the handwheel (14) and yoke sleeve (13) from the yoke (12).
7. Remove the parallel key (23) from the stem/disc (11) and remove the packing (05) out of the valve body (01).
8. Install the backseat removal tool on to the valve body (01) by screwing the adaptor to the threaded part of the valve body (01).
9. Loosen the backseat (34) by rotating the backseat removal tool in counter clockwise direction.
10. Unscrew the backseat removal tool from the valve body (01) and remove it together with the backseat (34), gasket (33) and stem/disc (11).

**INSPECTION PRIOR TO RE-ASSEMBLY**

1. Thoroughly clean all parts with solvent and a clean cloth.
2. Examine the following parts signs of damage, i.e. pitting, erosion or scratches:
  - A. SEAT (02) - Sealing surface
  - B. STEM /disc (11) - Packing area
  - C. DISC /disc (11) - Sealing surface
  - D. BACKSEAT (34) - Sealing surface
3. Lubricate all threaded parts with high temperature grease, i.e. Molykote HSC.
4. Insert the stem/disc (11) into the valve body (01).
5. Insert the gasket (33) and the backseat (34) into the valve body (01).
6. Install the backseat removal tool on to the valve body (01) by screwing the adaptor to the threaded part of the valve body (01).
7. Screw the backseat (34) into the valve body (01) and fasten it by rotating it clockwise.
8. Insert the packing (05) with markings facing down into the valve body (01).
9. Place the parallel key (23) in the stem/disc (11) and lubricate it with high temperature grease, i.e. Molykote HSC.
10. Place the yoke (12) together with the gland flange (07), position indicator (15) and yoke sleeve (13) (optional with thrust bearing (26)) over the stem/disc (11) and screw the yoke (12) on the valve body (01) by rotating it clockwise.
11. Align the gland flange (07) to the correct position whilst sliding the parallel key (23) in the designated slot, provided in the gland flange (07). Now fixate the gland flange (07) with the gland bolts (06).
12. Rotate the yoke sleeve (13) counter clockwise until it is in contact with the yoke (12).
13. Install the handwheel (14) to the yoke sleeve (13) and fixate it with the sleeve nut (32).
14. Tighten the gland bolting (06/09) to compress the packing.
15. Loosen the gland nuts (09). Then carefully retighten the gland nuts (09) again.
16. Pressurise the system and check the packing (05) for signs of leakage.
17. In case leakage is observed, tighten the gland nuts (09) carefully until the leaking stops.
18. Adjust the position indicator (15) and fixate it with the hexagon socket screw.
19. The valve is now ready for use.



**DISASSEMBLY & ASSEMBLY CONTINUOUS BLOW DOWN VALVE  
WITH FLOATING BACKSEAT AND ELECTRIC ACTUATOR**



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.
2. Unscrew the nuts (09) from the gland bolts (06) and remove the gland bolts from the gland flange (07).
3. Remove the hexagon socket screw from the position indicator (15). Operate the valve to the open position, using the actuator emergency handwheel rotating it counter clockwise. Now rotate it past the fully open position to force the packing (05) and the floating backseat (04) out of the stuffing box.
4. Unscrew the bolting (47) to loosen the actuator from the yoke (12).
5. Rotate the actuator clockwise in order to unscrew it from the stem/disc (11).
6. Grind off the tack weld and unscrew the yoke (12) from the valve body (01) and remove the position indicator (15), gland flange (07), gland (08) and parallel key (23) from the stem/disc (11).
7. Pull the stem/disc (11) together with the remaining parts out of the valve body (01).
8. Remove the packing (05) and the floating backseat (04) from the stem/disc (11) by pressing down on the floating backseat (04) whilst holding the stem/disc (11) upside down.

**INSPECTION PRIOR TO RE-ASSEMBLY**

1. Thoroughly clean all parts with solvent and a clean cloth.
2. Examine the following parts signs of damage, i.e. pitting, erosion or scratches:
  - A. SEAT (02 - Sealing surface
  - B. STEM /disc (11) - Packing area
  - C. DISC /disc (11) - Sealing surface
  - D. BACKSEAT (04) – Sealing surface
3. Lubricate all threaded parts with high temperature grease, i.e. Molykote HSC.
4. Insert the stem/disc (11) into to valve body (01).
5. Insert the floating backseat (04) (with radius down) and the packing (05) (with markings down) into the valve body.
6. Place the parallel key (23) in the stem/disc (11) and lubricate it with high temperature grease, i.e. Molykote HSC.
7. Place the yoke (12) together with the gland flange (07) and position indicator (15) over the stem/disc (11) and screw the yoke (12) on the valve body (01) by rotating it clockwise.
8. Align the gland flange (07) to the correct position whilst sliding the parallel key (23) in the designated slot, provided in the gland flange (07). Now fixate the gland flange (07) with the gland bolts (06).
9. Tighten the gland bolting (06/09) to compress the packing.
10. Loosen the gland nuts (09). Then carefully retighten the gland nuts (09) again.
11. Mount the actuator on top of the connection flange (12) and tighten the bolts (47). Adjust the limit switches of the actuator.
12. Operate the actuator in manual mode, until the valve is in closed position and adjust the switch setting according the actuator manufacturers manual. Now fixate the yoke (12) to the valve body (01) by means of a tack weld.
13. Pressurise the system and check the packing (05) for signs of leakage.
14. In case leakage is observed, tighten the gland nuts (09) carefully until the leaking stops.
15. Adjust the position indicator (15) and fixate it with the hexagon socket screw.
16. The valve is now ready for use.

