CLARKSON PORTED SLIDE GATE VALVES

FIGURE 955/956

Removal, disassembly and inspection instructions for:
- F955 ported slide gate valves
- F956 dual gland ported slide gate valves

REMOVAL AND DISASSEMBLY

1. Ensure pipeline is not pressurized and that any hazardous medium is drained away.
2. Large valves need a chain block or crane to assist.
   a) Disconnect actuator air lines and power supplies etc.
   b) Support actuator, disconnect actuator rod from valve gate, undo upstand bolts, remove actuator assembly from valve.
3. Support valve body and remove all flange bolts.
4. Remove valve from the pipeline, taking care not to damage seat faces during removal.

NOTE

If rubber coated pipe flanges are being used, then steel flange rings (minimum thickness for valves DN 50 - 200 (NPS 2 - 8) of 3 mm (0.12 inch) and DN 250 - 750 (10 - 30) of 5 mm (0.20 inch)) will be fitted on both sides of the valve to ensure correct operation of the seats.

For DN 50 - 200 (NPS 2 - 8) valves

A) Remove seats (4) from both sides of valve.
B) Remove clevis pin (18), split pin (19), and washers (20).
C) Remove upstand bolts (13).
D) Remove handwheel (or actuator) and upstand assembly.

For DN 250 - 750 (NPS 10 - 30) valves

A) Remove seats (4) from both sides of valve
B) Remove clevis split pins (18) and clevis pins (17).
C) Remove upstand mounting bolts (12).
D) Remove Handwheel (or actuator) assembly.

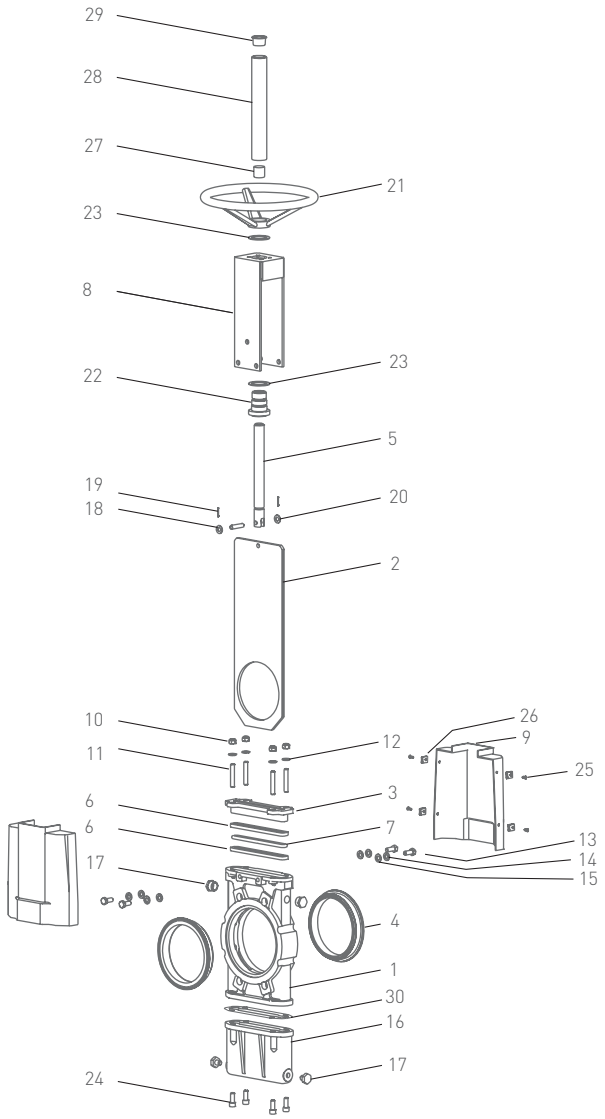
5. Remove gland follower nuts (10) and remove gland follower (3).
   For F956 valves repeat this operation for the gland in the extension housing.
6. Withdraw the gate (2).
7. Remove packing (6) and packing cord (7) from gland cavity.

VALVE INSPECTION

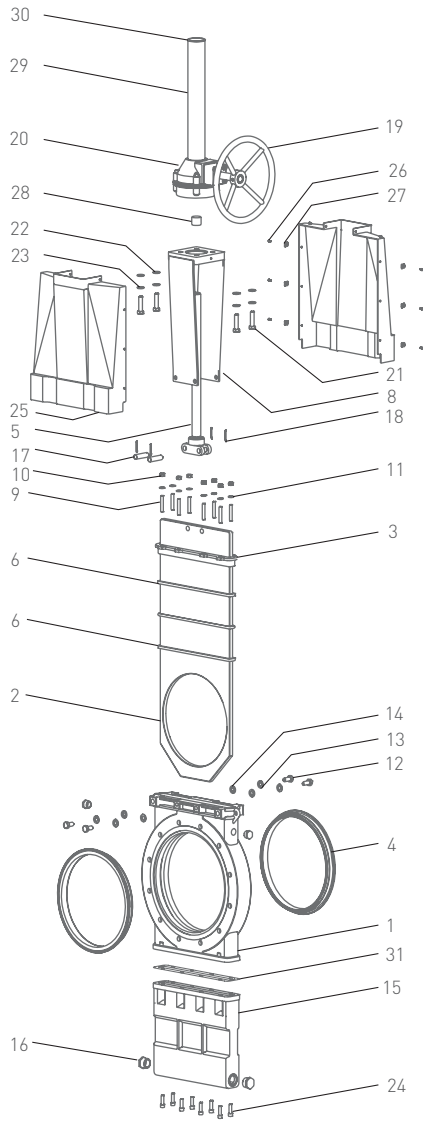
1. Ensure all parts are clean and free of foreign material, particularly the chest area between the gland and valve bore.
2. For optimum leak-free service, gate faces and edges must be smooth, and free of galling or burring. Repair or replace if excessively worn or damaged.
3. Seat faces must be smooth and undamaged otherwise leakage is likely to occur. Replace if necessary.
4. Check threads on spindles and bolts - repair/replace if necessary

NOTE

To minimize risk to personnel, Emerson recommend the use of purpose built guards and shrouds.
Refer to the Emerson data sheet or consult factory for details.



Note: F955 DN 50 - 200 (NPS 2 - 8) valve illustrated.



Note: F955 DN 250 - 750 (NPS 10 - 30) valve illustrated.