

KEYSTONE FIGURE 952 KNIFE GATE VALVES

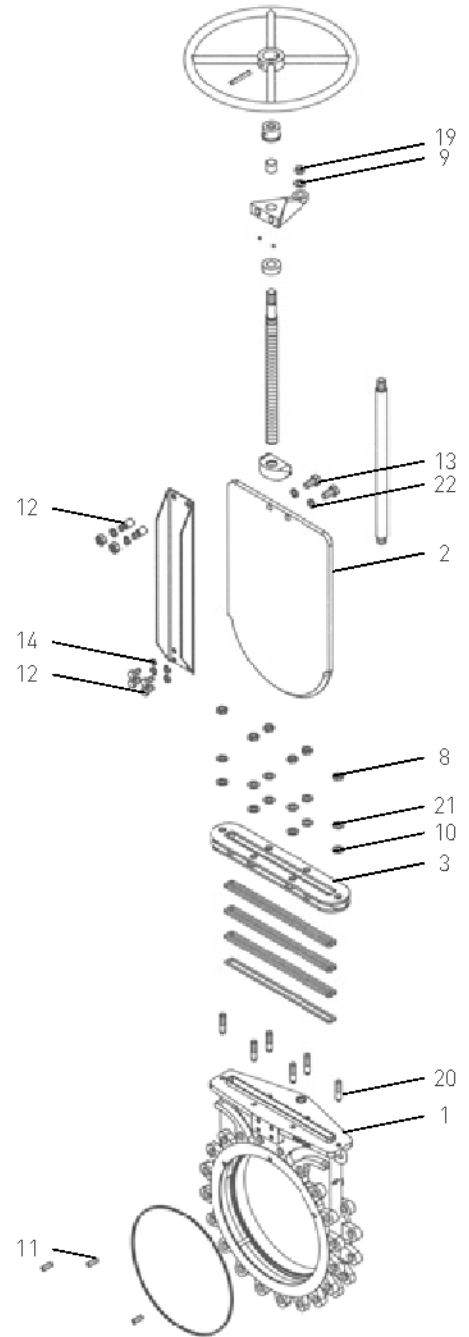
NPS 2 - 24 DISASSEMBLY INSTRUCTIONS

NON - RISING SPINDLE VALVES

- Ensure all parts are clean and free of foreign material, particularly the chest area between the gland and valve bore.
- 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.
- Seating faces in valve bore must be smooth and undamaged otherwise leakage is likely to occur. Replace if necessary.
- Check gland sealing faces on top of valve body. They should be smooth and undamaged. Repair if necessary.
- Check threads on spindles and bolts - repair/replace if necessary.
- Replace Nyloc nuts if threads are stripped or weakened. These are used as protection against vibration.
- Check and replace gate guides [11] if necessary.

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. If large, heavy cylinders are fitted, they can be removed first if felt necessary:
 - Disconnect actuator air lines and power supplies etc.
 - Support actuator, disconnect rod from valve gate, undo bridge bolts or hold down bolts, remove actuator from valve.
3. Support valve body and remove all flange bolts.
4. Remove valve and gaskets from the pipeline.
 - Remove gland box nuts [8] and washers [21, 10]. Remove clevis fasteners [13] and washers [22].
 - Remove upright mounting bolts [12] and washers [14] at valve body [1]. Remove pillar nut [19] and washer [9].
5. Withdraw gland box [3] and gate [2] assembly.
6. Remove gate guides [11] from valve body [1].



NOTE:

NPS 10 - 24 F-952 non-rising spindle valve illustrated.



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