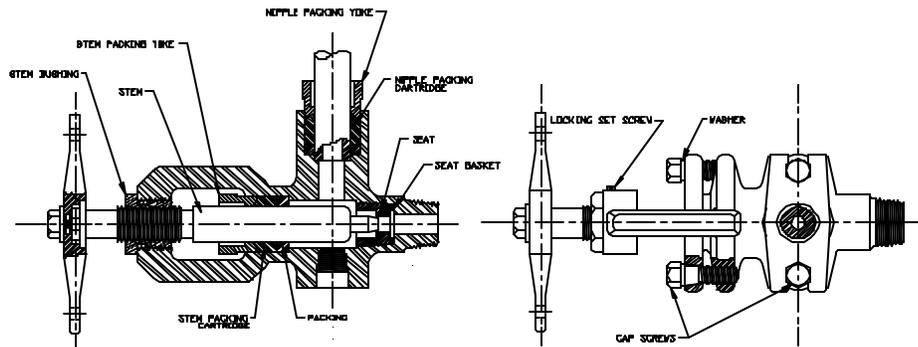


## Maintenance Instructions FORGED STEEL GAGE VALVES SG700 and SG800 Series

### To Repack Valves (Valve must not be under pressure)

1. Isolate valves from pressure.
2. Open drain valve to eliminate any potentially trapped pressure.
3. Remove stem bushing locking means; a) If set screw, loosen to clear bushing threads; b) If lock weld bead, file off or cut with hacksaw.
4. Remove stem, stem bushing, packing yoke, and *all* old packing material.
5. Install new packing cartridge(s). Use SG854-4 stem packing cartridge for stem applications, and SG854-5 nipple packing cartridge on valve models with nipple connections for the water gage.
6. Install packing washer, yoke, stem, and stem bushing.
7. Retighten stem bushing locking set screw.
8. Replace yoke and cap screws lubricated with Molykote "G", or equal and tighten with a 5/8" open-end wrench to avoid over-torquing and stem binding.
9. Crack open valves to allow gradual warm-up of gage glass for several minutes.
10. Close drain valve and further tighten packing yoke screws, if necessary, to stop leakage.
11. Open valves and check again for leakage once valves and packing have reached full operating temperature.



### To Replace Seat (Valves must not be under pressure)

1. Isolate valves from pressure.
2. Open drain valve to eliminate any potentially trapped pressure.
3. Remove stem bushing locking means; a) If set screw, loosen to clear bushing threads; b) If lock weld bead, file off or cut with hacksaw.
4. Remove stem, stem bushing, packing yoke, all old packing, and packing washer
5. Insert a 3/4" socket with an extension into the valve body, onto the valve seat and remove valve seat by rotating counter-clockwise. Note: old style valves contain a separate valve seat and seat holder. Remove seat holder with a 1/2" socket extension.
6. Lift out seat and seat gasket. Dispose of the gasket.
7. Clean and lubricate threads of seat with Molykote "G" or equal.
8. Install new seat gasket and new seat. Tighten seat using 40 ft.-lb. torque.
9. Install packing washer, yoke, stem, and stem bushing.
10. Lubricate threads of stem and cap screws with Molykote "G" or equal.
11. Repack stem as described. Retighten stem bushing locking set screw. Be sure to check for leakage and re-tighten cap screws (if necessary) shortly after boiler is returned to service.

## Notice to Plant Operators

The use of non-Original Equipment Manufacturer parts (such as glass, gaskets, probes, modules, etc.) will void the Agency Approval (FM, UL, CSA, CRN, ABS, etc.), pressure/temperature rating, and warranty of this equipment. Clark-Reliance requires the use of OEM parts for all repairs on this product in order to maintain plant and personnel safety, and reliable operation.

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[clark-reliance.com/parts](http://clark-reliance.com/parts)



Steel Valve Repair Kit



Replacement Probes



Gage Glass Repair Kit



Simpliport Module



Simpliport Packing Nut



Replacement Relays



Probe Repair Kit



Replacement EA100 Ass'y



Replacement Micro-switch



Bronze Valve Repair Kit



Valve Packing



Replacement Floats