



# HEX VALVE

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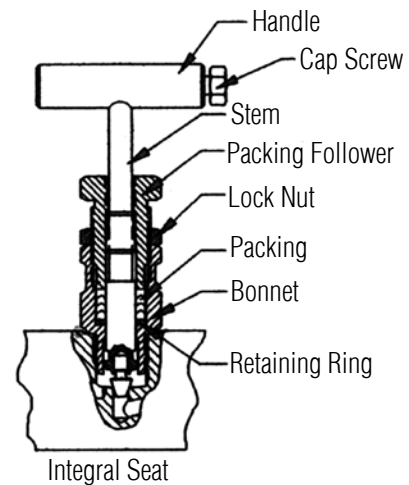
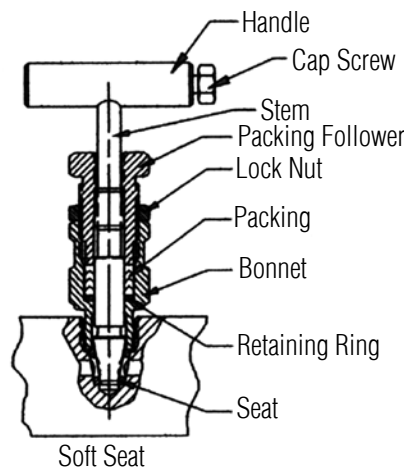
## I & M Screwed Bonnets

### Installation & Maintenance Instructions for Screwed Bonnets

Warning: Hex Valves must only be used, installed, and repaired in accordance with these Installation & Maintenance Instructions. Observe all applicable public and company codes and regulations. In the event of leakage or other malfunction, call a qualified service person; continued operation may cause system failure or a general hazard.

### Scope

This manual is intended as a guide to assist customers in the installation and maintenance of the following series: HB50, HB51, HB59, HE36, HE40, HE44, HG35, HG48, HG55, HG56, HK10, HK20, HK30, HK40, HN49



### Packing Disassembly

1. Loosen the handle cap screw and remove handle.
2. Remove packing nut and packing follower from the bonnet.
3. Remove the packing from the bonnet.

### Packing Reassembly

1. Inspect stem and packing chamber bore. Replace stem if damaged or shows evidence of corrosion in the area of the packing. (The bonnet must be removed from the body to replace the stem. Lubricate the bonnet threads prior to reinstalling bonnet into body and torque it to 55 ft-lb).
2. Lubricate the stem in the packing area with an Anti-Seize compound such as "THRED-GARD".
3. With the retaining in the packing chamber, install the four pieces of Teflon Chevron packing, or three pieces of braided or graphite packing, one piece at a time.
4. Install the packing follower and packing nut, and tighten with just enough torque to seal the packing.
5. Put the handle back on stem and retighten the cap screw.

### Packing Adjustment

1. Loosen the packing nut and rotate the stem back and forth a few times before making any adjustments to packing compression.
2. After tightening the packing nut, again rotate the stem back and forth.

### Repairing Valve Seats

1. Remove the bonnet from the body. Using a 3/16" diameter rod, remove the old soft seat by placing the end of the rod through the center flow hole of the seat and, with the rod pivoting on top of the body, popping the seat out through the bonnet port.
2. Install new soft seat in body, lining up the holes in the center of the seat and the body waterway. Put the rod through the seat hole and body waterway to keep the holes aligned when the bonnet is installed
3. Install the bonnet, using 55 ft-lbs torque. Note: bonnet retaining pin should be installed to prevent inadvertent bonnet removal.

**Caution: Stem should not hit rod during assembly**