



## MAINTENANCE

Valve can be serviced without removal from line using standard tools.

**IMPORTANT:** Lubricate stem threads and stem O-Rings regularly with KRYTOX GPL205 or equal.

### REPLACEMENT OF SEAT AND/OR O-RING SEALS

1. Open valve fully. Loosen Handle Set Screw and remove Handle, Locknut, and Washer.
2. Unscrew Bonnet and remove Bonnet O-ring.
3. Using Handle as a wrench, screw Stem out of Bonnet clockwise, thereby ejecting Seat and Stem. Remove Stem O-rings.
4. Clean all parts well with solvent. Lightly lubricate stem threads and all O-Rings. Install Bonnet and Stem O-rings.
5. Screw Stem into Bonnet until engaged with Bonnet threads. Use Handle to retract Stem to full limit.
6. Replace Seat in Bonnet cavity, chamfered end first, making sure it is well seated.
7. Replace Bonnet Assembly in Body, torquing to 45 inch pounds for PTFE Seats, 100 inch pounds for Kel-F Seats, and 125 inch pounds for Nylon and all Metal Insert Seats.
8. Replace Washer, Replace Locknut, torquing to 100 inch pounds. Replace Handle and tighten Set Screw securely.

Manufactured in accordance with **ASME B31.3**

## REPLACEMENT PARTS

NAME	PART #
B <b>Bonnet</b>	2AB
C <b>Stem</b>	3B
D <b>Seat, Kel-F</b>	4B-41
<b>Seat, Nylon</b>	4B-21
<b>Seat, PTFE</b>	4B-11*
K <b>Seat, Kel-F with Metal Insert</b>	A4B-41
<b>Seat, Nylon with Metal Insert</b>	A4B-21
<b>Seat, PTFE with Metal Insert</b>	A4B-11
E <b>O-Ring, Stem- 2 required</b> Buna-N, -006, 90 durometer	5006-56
F <b>O-Ring, Bonnet</b> Buna-N, -012, 70 durometer	5012-51
G <b>Locknut</b>	6AB
H <b>Handle with Set Screw</b> Set Screw (#8-32x1/4 lg Half Dog Pt)	A48-1 10385-4
J <b>Washer</b>	5AB
<b>O-Ring Installation Mandrel</b>	T-221-1

### Bonnet Assembly (B,F,C,E(2), D)

Kel-F Seat	KA51
Nylon Seat	NA51
PTFE Seat	TA51*

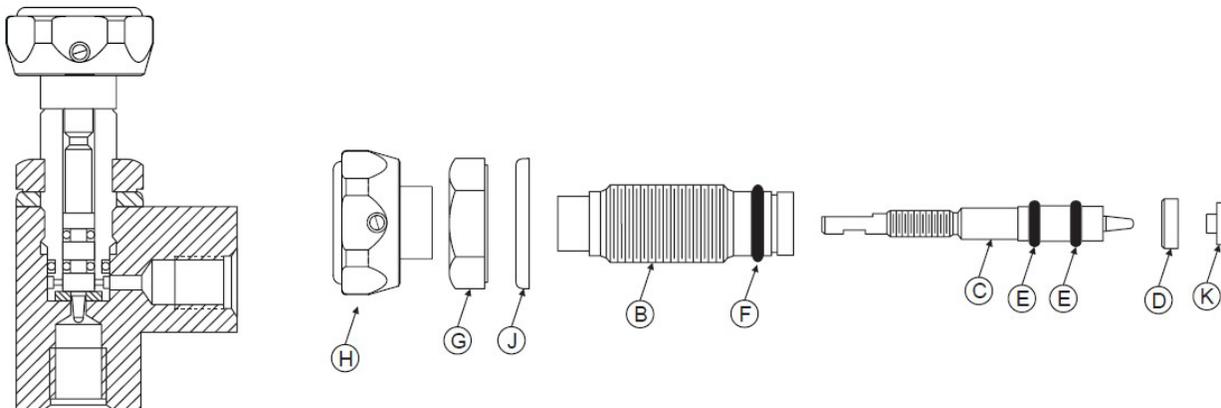
For Metal Insert, add -763 to Bonnet Assembly part number  
Consists of all functional parts, sealed and ready to install in body

### Soft Goods Kit (D, E (2), F)

Kel-F Seat	4005-4-1
Nylon Seat	4005-2-1
PTFE Seat	4005-1-1*

For Metal Insert add -763 to Soft Goods Kit part number

See Options section for optional o-ring part numbers.



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