

## INSTALLATION INSTRUCTIONS BELLOWS VALVE INSERT / ADAPTER SUBASSEMBLY B and U SERIES BELLOWS VALVES

1. Relieve system pressure before valve disassembly.
2. Disassemble valve to access the **insert / adapter subassembly**.
3. To remove the **insert / adapter subassembly**, grip the stem flats with a thin wrench and unscrew the **subassembly**. Be sure not to twist the bellows.
4. Prior to reassembly of the bellows valve, be certain all components are clean and free of contamination.
5. Screw the new **insert / adapter subassembly** into the stem. Grip the stem flats with a thin wrench, and torque the **subassembly** per the chart below.

VALVE MATERIAL	VALVE SERIES	TORQUE
		Insert / Adapter Subassembly
Brass & Stainless Steel	B & 4/6/8U	45 in.-lb (5.1 N-m)
	12U	80 in.-lb (9.0 N-m)
Alloy 400	B	35 in.-lb (4.0 N-m)

6. Actuate **valve upperworks** to the OPEN position, then assemble the upperworks to the valve body. *Note: normally closed pneumatic actuators must be pressurized to the OPEN position.* Tighten **bonnet nut** per the chart below.

VALVE MATERIAL	VALVE SERIES	O-RING/GASKET DESCRIPTION	TORQUE Bonnet Nut
Stainless Steel & Alloy 400	B & 4/6/8U	Metal O-Ring	400 in.-lb (45.2 N-m)
		Silver Plated O-Ring	
		TFE Coated O-Ring	300 in.-lb (33.9 N-m)
		Copper Gasket	
Brass	B	Kel-F Gasket	175 in.-lb (19.8 N-m)
		TFE Coated O-Ring	200 in.-lb (22.6 N-m)
		Aluminum	275 in.-lb (31.1 N-m)
Stainless Steel	12U	Silver Plated O-Ring	110 ft.-lb (149 N-m)
		Metal O-Ring	140 ft.-lb (190 N-m)
		Copper Gasket	

7. Tighten the **packing nut** on U Series valves per the chart below.

VALVE MATERIAL	VALVE SERIES	PACKING MATERIAL	TORQUE Packing Nut
Stainless Steel	4/6/8U	Grafoil	50 in.-lb (5.7 N-m)
		TFE	100 in.-lb (11.3 N-m)
	12U	Grafoil	50 in.-lb (5.7 N-m)
		TFE	200 in.-lb (22.6 N-m)

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