



ISO 9001:2008 Certified QMS

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Key Port® Valve

Installation, Operating and Maintenance Instructions

Key Port® Valve ½”-4” Series 400 Bonnetless Eccentric Valves

Description – Key Port® valve eccentric action and resilient seating assure long lasting dead-tight shutoff. As the eccentric plug rotates 90 degrees from open to closed, it moves into a raised eccentric seat.

Installation – Install the valve with the seat on the downstream side. An arrow on the valve body identifies the seat end.

Lubrication – Key Port® valve does not require routine maintenance lubrication. If the valve is disassembled, lubricate the O-ring groove, the top bushing, the spring and the O-ring as follows:

Valves with RS:55 O-rings – Lubricate with Dow Corning #44 light grease.

Valves used in oxygen service – Lubricate with Hooker Fluorolube GR-362.

All other valves and applications – Use a flow media compatible light grease.
Key Port® valves are lubricated at the factory with Keystone Nevastane 6 LT.

Stop Adjustments – The Key Port® Valve Series 400 Eccentric valve features built-in stops that stop plug travel at the fully open and fully closed positions. An optional adjustable stop can be ordered if a repeatable stop position other than those built-in is desired. To install the optional stop, follow these steps:

1. Insert the split stop ring in the top bore of the valve body.
2. Install the set screw.
3. Turn the split stop ring to the desired position, then tighten the set screw to lock in place.
4. Install the cap.

Valve Disassembly

1. Discontinue pipeline flow and relieve pipeline pressure.
2. Push the plug into the seat using a C-clamp. This will make the snap ring accessible for removal.
3. Remove the snap ring from the valve.
4. Remove the C-clamp, then lift the wear washer, plug and spring from the body.
5. Remove the O-ring and top bushing.
6. Remove the lower bearing from the valve body.

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