



Swing Check Valve Indicator Arrow Kit Installation Instructions

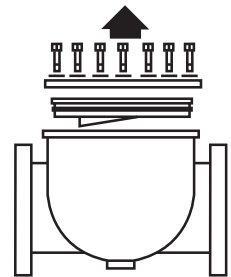
IK-3-0301

Spears Swing Check Valve Indicator Kit is designed for field installation of external Indicator Arrow in Spears Swing Check Valves. This kit can be installed through the bonnet assembly and removal of valve from line is not required. Kit includes Extended Shaft (1), Shaft Cup Seals (2), Shaft Nut (1), and Indicator Arrow (1) with Retaining clip (1).

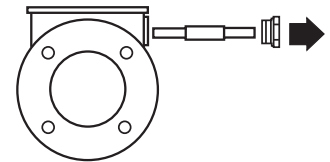
Swing Check Valves operate in response to a fluid stream flow opening a swinging disc. The Indicator Arrow allows quick visual identification of the disc position.

CAUTION: SYSTEM MUST BE DEPRESSURIZED AND DRAINED PRIOR TO INSTALLATION

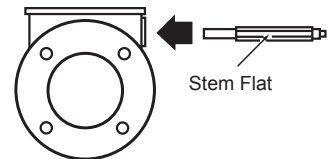
Step 1: Remove valve bonnet bolts, nuts and washers and lift bonnet from valve. Using a screwdriver, gently lift seal carrier from body. Angled slots on inside lip of body are provided for this. Note: smaller sizes have one-piece Bonnet and Seal carriers that thread on.



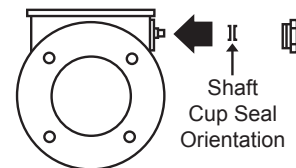
Step 2: Remove cap nut from shaft end on side of valve and pull shaft from disc and valve.



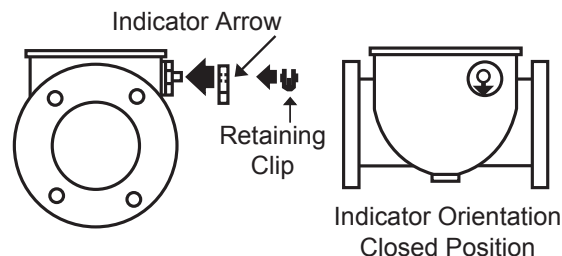
Step 3: Insert Extended Shaft into valve and Disc Swing Arm assembly. Align Stem flat with flat on Swing Arm.



Step 4: Install new Shaft Cup Seals and new Stem Nut. Cup Seals (2) must be inserted over shaft with flat side facing each other. Tighten Stem Nut snug, but do not over tighten. Note: O-ring is NOT TO BE USED on new Shaft Nut.



Step 5: With valve in closed position, Indicator Arrow onto Shaft square end. Properly installed Indicator Arrow should point down with valve in closed position. Install Retaining Clip onto shaft.



Step 6: Check for free movement operation, align and reinstall Seal Carrier. Install Bonnet and bolts with nuts and washers. Secure all bolts and nuts.



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