

Instructions for Replacing Pressure Plate/Paddle Assembly (to upgrade Superior Valves & Bodies for use with Star Actuators)

A pressure plate kit includes:

- 1 pressure plate/paddle/stem assembly
- 1 thick "O" ring (for thick 1/4" flange bodies)
- 1 thin "O" ring (for thin 1/8" flange bodies)
- 2 brass posts
- 2 brass threaded posts

Note:

Low-pressure plates are made from a black Isotherm™ material and are rated for static pressures up to 75 psi (5.2 bar).

High-pressure plates are made from brass and are rated for static pressures up to 600 psi (41.3 bar).

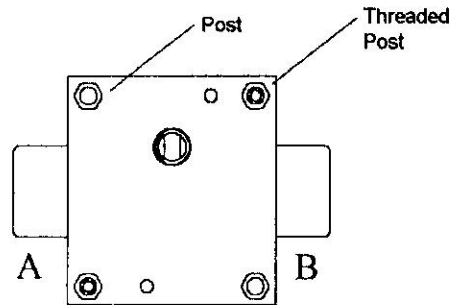
To Remove Superior Actuator and Plate Assembly

- 1) Disconnect power source.
- 2) Disconnect wires making sure to mark wires for reconnection.
- 3) Place lever in manual open position - except normally open 2-port valves which do not have a manual opener.
- 4) Drain down system.
- 5) Remove cover.
- 6) Remove four screws that hold actuator and plate to body and remove actuator with plate, paddle and stem.
- 7) Remove "O" ring from groove in body.

To Install Pressure Plate/Paddle Assembly

- 1) Make certain that mating surfaces and "O" ring groove on body are clean. Replace with new "O" ring of the same size as the "O" ring that was removed.
- 2) Place the pressure plate/paddle assembly into the body. Install pressure plate so that it is flush with the valve body - be sure that the projecting pins of the plate enter the corresponding holes in the valve body. Note: The plate will only fit properly on the body in one direction.

- 3) Fasten with 2 posts diagonally opposed and with 2 threaded posts diagonally opposed (see diagram).



- 4) Refill system and check for leaks.

To Install Removable Actuator

- 1) Center the paddle.
- 2) Place the actuator over the stem. Turn the actuator from left to right until it engages the stem and sits squarely on the four posts in the valve body.
- 3) Fasten the actuator with 2 screws.
- 4) Reconnect wires if previously disconnected
- 5) Return power and check function.

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