

IP16 OPERATION AND MAINTENANCE



Operation

1. Direction of opening is indicated by an arrow cast on to the top of the Indicator Post Head.
2. Using the Operating Wrench (or optional Hand Wheel) supplied with the Indicator Post fully open and close the gate valve before applying system line pressure. Longer wrenches or pipes used as “cheaters” should not be used. Excessive leverage may damage the Indicator Post or the gate valve to which it is connected.
3. AMERICAN recommends the use of AMERICAN Flow Control Series 2500 Gate Valves with the IP16 Indicator Post. In cases where other manufacturers’ gate valves are used, please contact that manufacturer for valve operating instructions. AMERICAN will not be responsible for claims, errors or omissions in documentation provided by other manufacturers.

Maintenance

1. Inspect Indicator Post a minimum of four times per year, or more if conditions warrant.
2. Operate the gate valve through a complete cycle of closing and opening and verify that the post and gate valve function properly and the display of the OPEN and SHUT targets accurately correspond with the position of the gate valve.
3. If it is necessary to replace the Operating Stem Nut (IP-16-1), proceed as follows:
 - a. Remove the Operating Wrench (IP-16-2), the eyebolt (IP-16-3) and hex-head bolt (IP-16-9). Using a screwdriver, remove one of the Screws (IP-16-17), located on top of the Head (IP-16-5) and adjacent to the Operating Stem Nut (IP-16-1) and loosen the other Screw (IP-16-17). Spread the Stuffing Box clips (IP-16-23) apart. Note the overlapping arrangement of the clips for proper re-assembly. Gently lift the Head (IP-16-5) to remove.
 - b. Lift Operating Stem Nut (IP-16-1) and target carrier assembly off of the Upper Rod (IP-16-28).
 - c. Note the position of the Target Carrier Nut (IP-16-13) on the Operating Stem Nut (IP-16-1) and then turn Operating Stem Nut until separated.
 - d. Thread the Target Carrier Nut (IP-16-13) onto the replacement Operating Stem Nut (IP-16-1) and return to the previous position.
 - e. Return the Operating Stem Nut (IP-16-1) on to the Upper Rod (IP-16-28) and re-assemble the Head (IP-16-5) by following above procedure (a) in reverse order.