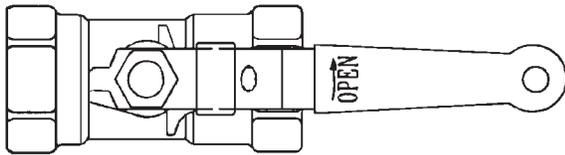


IMO - 206EN

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INSTALLATION, MAINTENANCE, AND
OPERATING INSTRUCTIONS



1/4" – 2" (DN 8 – 50) SERIES 3000 BALL VALVES MODEL B AND C

Read entire instructions carefully before installation or servicing

1 GENERAL

This instruction manual contains important information regarding the installation, maintenance and troubleshooting of the Jamesbury® 1/4" – 2" (DN 8 – 50) Series 3000 Model B and C Ball Valves. Please read these instructions carefully and save them for future reference.

1.1 WARNING

FOR YOUR SAFETY, IT IS IMPORTANT THAT THE FOLLOWING PRECAUTIONS BE TAKEN PRIOR TO INSTALLATION, ANY SERVICING OR REMOVAL OF THE VALVE FROM THE LINE OR BEFORE ANY DISASSEMBLY:

1. WEAR ANY PROTECTIVE CLOTHING OR EQUIPMENT NORMALLY REQUIRED WHEN WORKING WITH THE FLUID INVOLVED.
2. BEFORE REMOVING THE VALVE FROM THE LINE, DEPRESSURIZE THE LINE AND PERFORM THE FOLLOWING:
 - A. PLACE THE VALVE IN THE OPEN POSITION AND DRAIN THE LINE.
 - B. CYCLE THE VALVE TO RELIEVE RESIDUAL PRESSURE IN THE BODY CAVITY BEFORE REMOVAL FROM THE LINE.
 - C. AFTER REMOVAL AND BEFORE ANY DISASSEMBLY, CYCLE THE VALVE AGAIN SEVERAL TIMES.
3. SEAT AND BODY RATINGS: THE PRACTICAL AND SAFE USE OF THIS PRODUCT IS DETERMINED BY BOTH THE SEAT AND BODY RATING. READ AND CHECK THE RATINGS. THIS PRODUCT IS AVAILABLE WITH A VARIETY OF SEAT MATERIALS. SOME OF THE SEAT MATERIALS HAVE PRESSURE RATINGS THAT ARE LESS THAN THE BODY RATINGS. ALL OF THE BODY AND SEAT RATINGS ARE DEPENDENT ON VALVE AND SEAT SIZE, MATERIAL AND TEMPERATURE. DO NOT EXCEED THESE RATINGS.

4. IT IS IMPORTANT TO REFER TO THE INFORMATION ON EACH VALVE FOR THE PRESSURE RATING AND MATERIAL DESCRIPTION. CONTACT METSO AUTOMATION IF ADDITIONAL INFORMATION IS REQUIRED.

5. THESE VALVES ARE SUITABLE FOR A WIDE VARIETY OF FLUIDS AND GASES. BE CERTAIN THAT THE MATERIALS SELECTED ARE SUITABLE FOR THE APPLICATION.

NOTE: ROUND HANDLES ARE OPTIONALLY AVAILABLE FOR THESE VALVES IN PLACE OF LEVER HANDLES.

6. THESE VALVES ARE DESIGNED FOR MANUAL USE ONLY AND ARE NOT INTENDED FOR AUTOMATION. DO NOT FABRICATE OR ADD ON ANY TYPE OF AUTOMATING ACCESSORY.

2 MARKING

In addition to the CE mark required by the PED, each valve larger than 1" (DN 25) is marked to identify the manufacturer, series number, date of manufacture and essential safe operating pressure and temperature limits.

3 INSTALLATION

1. Read the WARNING Section.
2. Screwed end valves have NPT threads. To insure a leaktight joint, liberal use of a compatible pipe joint compound is necessary.

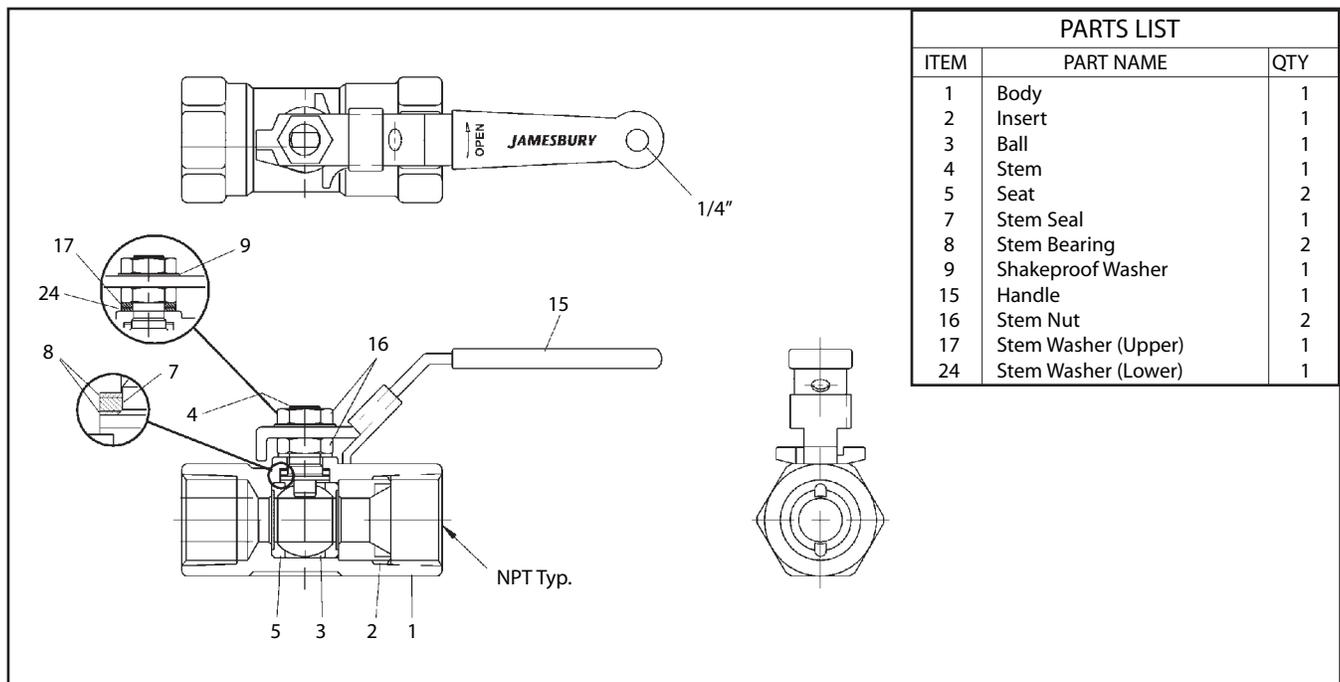
3. If there is weepage past the stem seal upon installation, it means that valve may have been subject to wide temperature variations in shipment. Leak tight performance will be restored by a simple packing adjustment described in the MAINTENANCE Section. Flow through the Jamesbury Series 3000 valve can be in either direction, but the preferred way to install the valve is with the insert end upstream.
4. The Series 3000 is an end entry design with an internal insert. The insert contains a hex, slot, or pin drive which can be identified by looking into the end of the valve before installation. Although the Series 3000 valve may be disassembled it is not considered repairable.

4 HANDLES

1. Handles for Model B and C are not interchangeable with Model A.
2. All handles must be mounted with the handle stop tang mounted as shown in the illustration on the top of this IMO. Verify correct installation by comparing with the illustration and by stroking the handle fully open and fully closed. Failure to properly mount the handle may result in improper valve operation.

5 MAINTENANCE

1. Read the WARNING Section.
2. Routine maintenance consists of tightening the lower stem nut 1/4 turn periodically to compensate for the wear caused by the stem turning against the seal. Loosen the upper stem nut before tightening the lower stem nut. Retighten the upper stem nut after tightening the lower stem nut.



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