

Jamesbury ball valves for hydrogen peroxide service with up-stream vent hole in ball

Installation, maintenance and
operating instructions



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READ THESE INSTRUCTIONS FIRST!

These instructions provide information about safe handling and operation of the valve.

If you require additional assistance, please contact the manufacturer or manufacturer's representative.

SAVE THESE INSTRUCTIONS!

Addresses and phone numbers are printed on the back cover.

1. GENERAL

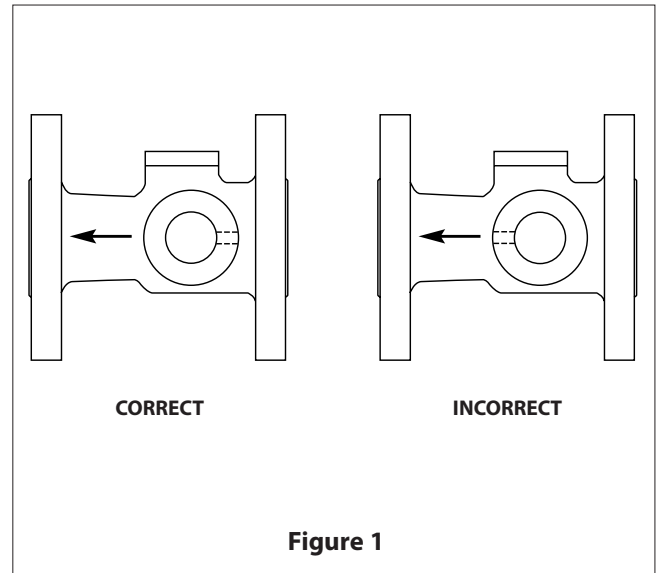
This instruction manual contains important information regarding the installation, operation and troubleshooting of the Jamesbury™ Ball Valves with Up-Stream Vent Hole in Ball for Hydrogen Peroxide Service. Please read these instructions carefully and save them for future reference.

WARNING:

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

1. WEAR ANY PROTECTIVE EQUIPMENT NORMALLY REQUIRED WHEN WORKING WITH THE FLUID INVOLVED DURING REMOVAL AND DISASSEMBLY TO PROTECT AGAINST ANY SPRAY OF TRAPPED HYDROGEN PEROXIDE.
2. DEPRESSURIZE THE LINE AND VALVE AS FOLLOWS:
 - A. SHUT OFF THE VALVE AND BLEED THE LINE.
 - B. CYCLE THE VALVE TO RELIEVE RESIDUAL PRESSURE BEFORE REMOVAL FROM THE LINE..
 - C. AFTER REMOVAL CYCLE THE VALVE AGAIN SEVERAL TIMES.

3. With the valve in the closed position with the handle or actuator mounted, check the orientation of the ball and flow arrow. Compare with (Figure 1). Correct any misorientation by removing the handle or actuator rotating the ball 180 degrees and reinstalling the handle or actuator.



2. DESCRIPTION

Jamesbury valves with a vent hole in the ball for hydrogen peroxide service are available in both screwed and flanged ends, in either all stainless steel components or in aluminum bodies with stainless steel balls and stems. Material grades are in accordance with FMC recommendations, Bulletin 104. These valves are designed to prevent hydrogen peroxide entrapment and decomposition which could cause explosive pressure build-up. All wetted surfaces are completely machined and venting ports are included to prevent media entrapment in the body. Each valve is factory cleaned to remove dirt or fluid that might react with the media, and only compatible lubricants are used during manufacture.

NOTE: Hydrogen peroxide valves must be passivated before use. Valves are not passivated before shipment.

3. INSTALLATION

1. Before installation of any valve into a pipeline, factory-attached tags should be checked to assure that the valve is identified as having been processed for hydrogen peroxide service and that the valve type and material conform to requirements of the service intended. **VALVE MUST BE PASSIVATED BEFORE INSTALLATION.**
2. Standard piping practices should be followed during valve installation. Screwed end valves should be tightened by wrenching at the hex flats nearest the pipe being attached. Flanged valve bolts must be tightened to recommendations given by the manufacturer of the particular type of gaskets being used.

4. SERVICE / SPARE PART

We recommend that valves be directed to our service centers for maintenance. The service centers are equipped to provide rapid turn-around at a reasonable cost and offer new valve warranty with all reconditioned valves.

NOTE: When sending goods to the service center for repair, do not disassemble them. Clean the valve carefully and flush the valve internals. Include the material safety datasheet(s) (MSDS) for all media flowing through the valve. Valves sent to the service center without MSDS datasheet(s) will not be accepted.

For further information on spare parts and service or assistance visit our web-site at www.neles.com/valves.

NOTE: When ordering spare parts, always include the following information:

- a. Valve catalog code from identification plate,
- b. If the valve is serialized – the serial number (from identification plate),
- c. From exploded view, the ballooned part number, part name and quantity required.

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