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## I & M Mark 74

*Installation & Maintenance Instructions for  
Mark 74 Bellows Sealed Control Valve  
To be used with Mark 70 I & M*

**Warning:** Jordan Valve Regulators and Control Valves must only be used, installed and repaired in accordance with these Installation & Maintenance Instructions. Observe all applicable public and company codes and regulations. In the event of leakage or other malfunction, call a qualified service person; continued operation may cause system failure or a general hazard. Before servicing any valve, disconnect, shut off, or bypass all pressurized fluid. Before disassembling a valve, be sure to release all spring tension.

### Please read these instructions carefully!

Your Jordan Valve product will provide you with long, trouble-free service if it is correctly installed and maintained. Spending a few minutes now reading these instructions can save hours of trouble and downtime later. When making repairs, use only genuine Jordan Valve parts, available for immediate shipment from the factory.

## Installation

This valve is basically a Mark 70 Control Valve with a Bellows Stem Seal. The Stem Packing is used only as a back-up seal in case the Bellows develops a leak.

There is a threaded port on the Body Extension for the connection of a pressure gauge to determine if the Bellows is leaking.

The Mark 74 Installation and Maintenance Instructions are the same as those for the Mark 70 (see I & M 70) except for Part IV "Stem & Disc Pin Replacement". Use the following "Stem-Bellows & Disc Pin Replacement" for the Mark 74.

## Stem-Bellows & Disc Pin Replacement

### A. Disassembly

1. Remove the valve Disc and Plate following the procedure outlined under Part III Valve Seats.
2. Loosen the Stem Connector nut and bolt, and remove connector assembly - 20, 21, 22.
3. Back out the four allen-head screws (19) which will allow the Yoke assembly to be separated from the Valve Body Extension.
4. Loosen the four bolts and remove the Body Extension from the body.

5. Loosen the Stem Locknut (9) and rotate the Disc Pin (8) counterclockwise while pulling upward on the valve stem (10).
6. Remove the Stem-Bellows Assembly and Disc Pin from the Body.
7. Replace the Disc Pin and Stem-Bellows Assembly and reassemble in the following order. Also follow the procedures outlined under paragraphs titled "Valve Seats" and "Valve Stroke Adjustment".

### B. Reassembly

1. Assemble the Stem Bellows Assembly into the Body. NOTE: A spiral-wound gasket is required on both sides of the Bellows Top Plate.
2. Thread the stem locknut and Disc Pin onto the stem so that the Disc Pin is in the center of the Body Bore when holding down on the Bellows Plate.
3. Assemble the Body Extension over the Stem and bolt it to the body.
4. Assemble the valve seats following Part III "Valve Seats".
5. Set the valve stroke following Part VIII "Valve Stroke Adjustment".