

MPB SERIES 630 AND 1000 VARIABLE AREA FLOWMETERS

TUBE AND FLOAT INSTALLATION AND REPLACEMENT

NOTE: On certain flowmeters the float is removed for transit and hence the procedure below will apply only to initial installation.

1. Remove the flowmeter cover (the button head stainless steel screw acts as a tube locking device).
2. Where the flowmeter is rear of panel mounted it will have been fitted with a black moulded tube retainer. This is located between the top of the flow tube and the top connection block. Gently pull this forward to remove it.
3. Push top tube connector up into the top connection block.
4. Gently push the flow tube vertically upwards whilst at the same time tilting the tube slightly. The flow tube can now be withdrawn.

CAUTION: DO NOT excessively tilt the flow tube against the bottom connector as breakage can occur.

5. With the flow tube now removed, insert the float (as applicable) and position the tube onto the bottom connector.
6. Replace the flow tube by reversing steps 1 to 3 above. Note: A light application of appropriate grease to the seals will aid reassembly.

FLOWMETER INSTALLATION

1. Install the flowmeter in a vertical, upright position.
2. A spanner should be used to secure the process connection blocks when attaching the process connections. Failure to observe this procedure could loosen the flowmeter connection blocks in the chassis.
3. Where a valve is required and the flowmeter is fitted with a bezel, the following procedure should be adopted. Rotate the valve knob to the fully closed position. Gently prise off the cap. Use an 8mm socket, slacken the retaining nut and remove the valve knob from the valve stem. Secure the bezel and then refit the valve cap, making sure that the collet nut is tightened securely.

GENERAL

1. Protect the flowmeter from entrained air and solids in the process fluid.
2. Cleaning of the flowmeter can be carried out using warm soapy water.
Process Connections: 1/8" BSPPF, or 1/8" NPTF rear facing, or straight through.

MPB Industries Ltd - Designers and Manufacturers of Scientific and Process Control Instrumentation

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