

MPB SERIES CP110 CALIBRATION CYLINDER

1. Carefully remove all packaging and pipe plugs where fitted.
2. The Calibration Cylinder must be installed in a vertical position.
3. The Calibration Cylinder should be installed using independent isolation valves.
4. Ensure both cylinder isolation valves, where fitted, are closed prior to removal.
5. Do not over tighten the nyloc retaining nuts, which are situated at the end of the four tie rods. The studs should be seated at the lower end against the mounting flange and it is normal for a gap of approximately 2mm-3mm to be visible at the top end.

Tightening of top flange nuts:

Tighten the nuts in a diagonal pattern, similar to a cylinder head procedure.

Note: Check that a gap remains between shoulder of tie rod and flange and this is constant for all four tie rods.

Series CP100: Ranges 50ml to 250ml are tightened to 10 Nm

Series CP110: Ranges 500ml to 1000ml are tightened to 15 Nm

Series CP110: Ranges 1500ml to 10,000ml are tightened to 20 Nm

6. When installing the Calibration Cylinder, if mounting brackets have been supplied, the four mounting studs, or bolts, which will be located through the flanges, must be tightened equally to avoid any excess angular force being applied to the Cylinder.
7. When initially fitting safety shrouds, carefully peel protective film from polycarbonate windows and take care not to overtighten the fastenings when assembling the shroud.

CLEANING THE CALIBRATION GLASS

1. Remove instrument from installation and carefully undo the top four nyloc nuts which retain the Calibration Cylinder and seals. Care should be taken to unscrew the nuts equally.
2. Ensure Calibration glass contains no fluid.
3. Carefully remove Cylinder from instrument base with a slow and careful upward motion.
4. Remove Cylinder, replace seals, carefully clean interior of glass tube with suitable solvent and ensure ends of Cylinder are spotlessly clean.
5. Reverse procedure to reassemble.

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

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