

## MPB SERIES CP110 CALIBRATION CYLINDER

### GENERAL INFORMATION

This range of precision calibration cylinders has been designed to meet the requirements for high accuracy and robust construction. These instruments are particularly suited to offshore and onshore petrochemical installations and where calibration is required for precision pump metering.

This product range can be supplied with either threaded, or flanged connections to suit site requirements.

The CP110 Calibration Cylinder is ideal for use as a pump setting gauge, or pump rate checking and can be scaled from either the top, or the bottom of the cylinder and dual scaled if required (L/min, L/hr, etc).

Materials of construction include 316 Stainless steel, Super Duplex Stainless steel, Titanium, Hastelloy, Rigid PVC and Polypropylene. These are typical of the specifications MPB can provide.

CP110 Calibration Cylinders conform to the 2014/68/EU Pressure Equipment Directive. The category of SEP applies, this is based on the process fluid being a Group 1 liquid with a vapour pressure of less than 0.5 bar and a cylinder volume of less than 200 bar litre.

### MPB SERIES CP110 FEATURES

- ALL MATERIALS FULLY TRACEABLE WHERE REQUIRED
- CALIBRATED SCALES WITH TRACEABLE CERTIFICATES
- THREADED, OR FLANGED CONNECTIONS
- BOROSILICATE GLASS CYLINDERS
- PROTECTION COVERS AVAILABLE IF REQUIRED
- PERMANENTLY FIRED SCALES WITH WHITE BACKING TO GIVE EXCELLENT CLARITY
- PUMP SETTING GAUGE
- PUMP RATE CHECKING
- FULLY TRACEABLE HYDROSTATIC PRESSURE TEST CERTIFICATES AVAILABLE



## MPB SERIES CP110 CALIBRATION CYLINDER

<p><b>End Connections:</b> 316 Stainless steel, Super Duplex Stainless steel, Titanium, Hastelloy, Rigid PVC and Polypropylene, Threaded, or flanged to customer's requirements Fully certified where requested</p> <p><b>Seals:</b> Nitrile, Viton, EPDM, etc</p> <p><b>Cylinder:</b> Precision bore borosilicate glass</p>	<p><b>Scale:</b> Permanently fired black ceramic</p> <p><b>Maximum Working Temperature:</b> 60°C RPVC 100°C Stainless steel</p> <p><b>Accuracy:</b> ± 2% of actual reading</p> <p><b>Options:</b> 316 Stainless Steel Safety Cover Mounting Brackets</p>
--	--

CAPACITY	THREADED CONNECTION	DRAWING NUMBER	FLANGED CONNECTION	DRAWING NUMBER	MAXIMUM WORKING PRESSURE
500cc	1/2" NPT	MPVA 729	1/2" 150 lb RF	MPVA 781	10.0 bar g
750cc	1/2" NPT	MPVA 729	1/2" 150 lb RF	MPVA 781	9.3 bar g
1,000cc	1/2" NPT	MPVA 729	1/2" 150 lb RF	MPVA 781	8.7 bar g
1,500cc	3/4" NPT	MPVA 729	1" 150 lb RF	MPVA 782	7.8 bar g
2,000cc	3/4" NPT	MPVA 729	1" 150 lb RF	MPVA 782	6.7 bar g
2,500cc	3/4" NPT	MPVA 729	1" 150 lb RF	MPVA 782	6.7 bar g
5,000cc	3/4" NPT	MPVA 729	1" 150 lb RF	MPVA 782	6.8 bar g
7,500cc	1" NPT	MPVA 729	1" 150 lb RF	MPVA 783	7.8 bar g
10,000cc	1" NPT	MPVA 729	1" 150 lb RF	MPVA 783	7.8 bar g

For capacities up to 20cc see MPBTB 087 (CP1200)

For capacities from 50cc to 250cc - see MPBTB 031 (CP100)

For alternative capacities and connections, please contact MPB Sales Office with precise requirements



316 Stainless Steel safety covers and mounting brackets are available for all capacities if required

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

Part of the Scientific Digital Imaging plc (SDI) group of companies

Unit 1 Branbridges Ind Est, East Peckham, Kent TN12 5HF, UK, Tel: +44 (0)1622 872401  
mail@mpbflowmeters.com, www.mpbflowmeters.com



Due to the constant development and improvement of products, information may be altered or withdrawn without notice.