

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.

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



SERIES CP110 CALIBRATION CYLINDER

End Connections:

316 Stainless steel, Super Duplex
Stainless steel, Titanium, Hastelloy,
Rigid PVC and Polypropylene,
Threaded, or flanged to customer's
requirements
Fully certified where requested

Seals: Nitrile, Viton, EPDM, etc

Cylinder: Precision bore borosilicate glass

Scale: Permanently fired black ceramic

Maximum Working Temperature:
60°C RPVC
100°C Stainless steel

Accuracy: ± 2% of actual reading

Options: 316 Stainless Steel Safety Cover
Mounting Brackets

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 Data sheet for CP1200

For capacities from 50cc to 250cc - see Data sheet for CP100

For alternative capacities and connections, please contact BES Flowmeters with precise requirements



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

BES Flowmeters Pty Ltd
www.besflowmeters.com.au
sales@besflowmeters.com.au
Ph: (03) 5956 8685 or 0488 029 256



Due to the constant development and improvement of products, information may be altered or withdrawn without notice.