

MPB SERIES CP130 CALIBRATION CYLINDER

INSTALLATION

1. It is recommended that PPE is worn by all personnel present when installing and maintaining the CP130 Calibration Cylinder.
2. Carefully remove all packaging and transit plugs or flange protectors where fitted.
3. The calibration cylinder must be installed in a vertical position. Care should be taken when lifting the calibration cylinder. It is recommended to be a two person lift, or use appropriate lifting gear as required.
4. The calibration cylinder must be installed on a stable surface to avoid any vibration which could give rise to a potential false reading.
5. Do not fill the CP130 Calibration Cylinder unless all wall fixings have been fitted and checked for tightness.
6. If the cylinder is to be used with a hazardous fluid, extra care should be taken, in case any of the joints have loosened during the installation.
7. Never install a calibration cylinder into a system where the operating pressure could be higher than the design pressure of the cylinder – see table and technical specification below. LIFT

IMPORTANT SAFETY PRECAUTIONS

Do not re-use seals or gaskets, were ever possible. It is recommended that only MPB spares are used. Part numbers for these can be found on our drawing, which can be requested from us if required.

MPB recommends this equipment should receive preventive maintenance check on a one (1) year cycle. * It is recommended that the seals and any fixings are checked.

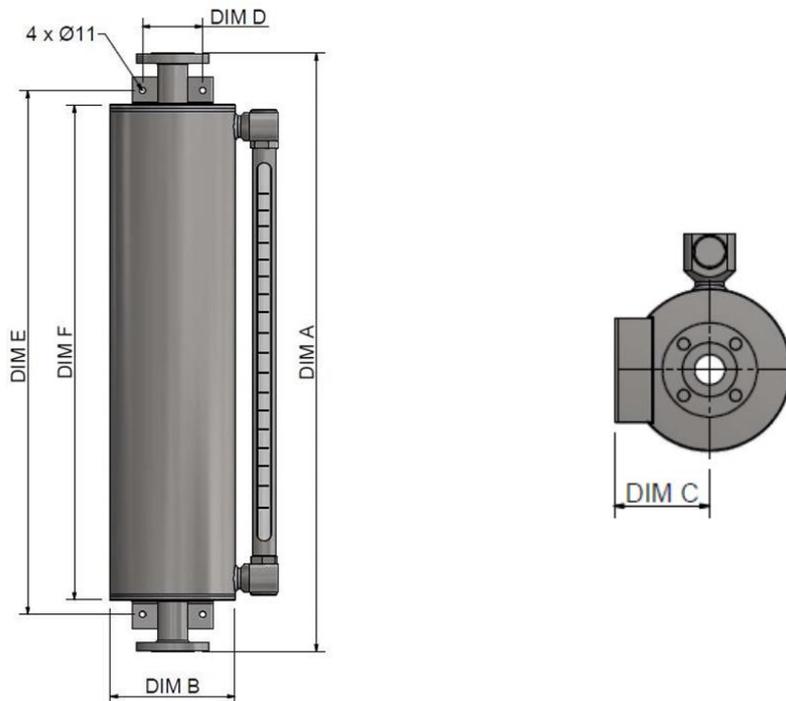
***NOTE:** This is the general recommended cycle. Your local operating conditions may call for more frequent preventative maintenance.

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TECHNICAL SPECIFICATION

Process Connections:	316 Stainless Steel, or project specified, threaded, or flanged to ANSI B 16.5
Cylinder:	316 Stainless steel, or project specified, certified EN10204 3.1. All welded construction (fully certified)
Seals:	Materials as per project specification
Design Pressure:	See table below
Maximum Working Temperature:	-10°C / +100°C

CAPACITY (Litres)	DESIGN PRESSURE	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F
10	11.5 bar g	960	167	100	70	834	784
15	7.5 bar g	880	219	128	70	788	738
20	6 bar g	1060	219	128	105	928	878
25	5 bar g	1245	219	128	105	1095	1045
30	4.5 bar g	1400	219	128	105	1270	1220
50	2.5 bar g	1210	324	180	105	1050	1000



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

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MAINTENANCE

Important Note: Do not proceed with any maintenance unless the calibration cylinder has been fully isolated, relieved of all pressure, been allowed to drain and reach ambient temperature.

The calibration cylinder should also be flushed out to remove any hazardous liquids before handling if possible, as per site instructions.



Cleaning the inside of the sight glass contained within the Stainless steel shield is as follows:

1. Gently undo sight glass nut (5) located at the top & bottom of the Stainless steel shield (2). This will allow the removal of the two end connectors (7).
2. Support the Stainless steel shield (2) while removing the two end connectors (7). The Stainless steel shield with the nuts (5) and still containing the sight glass (1) can now be removed.
3. Cover the bottom end of Stainless steel shield to prevent the support nut and sight glass sliding out of the stainless steel shield.
4. Lay the Stainless steel shield containing the sight glass on a suitable flat surface and carefully remove the sight glass nut, cushion O-rings and sight glass.

The sight glass can now be cleaned.

Check all O-rings for damage or ageing – it is recommended that o-rings are visually checked annually and replaced if necessary with MPB Industries approved spares.

Installation of the sight glass assembly is the reverse of removal. Care should be taken when handling the sight glass. Ensure cushion O-rings are replaced correctly at each end of sight glass.

Note: Each sight glass connector has a slot for locating into a pin on the cylinder.

Should you require any assistance, or clarification, please contact MPB Industries Ltd.

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