



## MMC-MCX Capsule pressure gauges

Ø 100 - 150 mm  
From - 600...0 to 0...600 mbar  
Accuracy ± 1.6% and ± 2%  
Withstands overranges  
Conforms to EN 837 standard

Model MMC and MCX capsule gauges are designed for low and negative pressure measurements.

They are particularly convenient for measuring pressure on non-corrosive (MMC) and corrosive air (MCX) or gas circuits (under non-aggressive (MMC) and aggressive (MCX) service conditions).

The sensing element is a capsule composed of 2 diaphragms with concentric undulations, welded on each other.

A safety valve prevents permanent deformation of the capsule in case of sudden overpressure.



### Specifications (20°C)

**Ranges** Ø 100, from -600...0 to -16...0 mbar (MMC and MCX)  
0...10 to 0...600 mbar (MMC)  
0...16 to 0...600 mbar (MCX)  
Ø 150, from -600...0 to 0...600 mbar (MMC and MCX).  
(see standard graduations overleaf)  
Momentary overrange protection (< 1 mn) 20 times the range by means of a safety valve (see N. B. 1).  
(except for compound ranges)

**Standard accuracy** ± 1.6% full scale (Ø 100).  
± 2% full scale (Ø 150).  
(for more information see overleaf).

**Standard degree of protection**  
IP 65 according to EN 60529.

**Sensing element**

|     | Capsule | Weld         | Connection       |
|-----|---------|--------------|------------------|
| MMC | Bronze  | Tin-soldered | Bronze / S.Steel |
| MCX | S.Steel | Laser-welded | S.Steel          |

**Connection** MCX : 22 mm square in s.steel, soldered on the case.  
MMC : 22 mm square in brass, brazed on the case  
G 1/2 or 1/2 NPT thread.

**Safety valve** Viton.

**Operating temperature** from - 40° to + 80°C.

**Case** Sheet steel, grey baked enamel (MMC), 304 stainless steel (MCX).



**Bezelring** Chromium plated steel (MMC), stainless steel (MCX).  
Bayonet lock type.

**Window** Glass, 3 mm thick.

**Window-gasket** Elastomer. Ensures tightness between window and case.

**Movement** Brass.

### Options

|  | Type  |   |
|--|---|---|
|  |    |  |
| <b>Mounting</b>  |   |   |
| Direct   | D   | F   |
| Surface mounting with 3 back lug fixing                                | A   | E   |
| Flush panel mounting with front flange welded onto case                | C   | B   |
| Flush panel mounting with removable back clamp and ring (dia 100 only) |   | G   |
| <b>Dial</b>  | Aluminium alloy, black graduations and figures on white background.   |   |
| <b>Pointer</b>   | Aluminium alloy, balanced, black painted.   |   |
| <b>Zero reset</b>  | Adjustment by the front side of the instrument after removing the window and bezelring. Adjustment up to ± 10% of F.S.                      |   |
| <b>Blow out disc</b>   | Elastomer. Positioned at the top of the pressure gauge. Ensures pressure balance with atmosphere. Blows out in case of sudden overpressure. |   |

### Uncoded options (have to be listed after the code number)

Special graduations  
Plexiglas window  
Index or set pointer  
Welded assembly : capillary directly welded onto the connection (MCX only).

### Coded option

Special threads smaller than or equal to G 1/2 or 1/2 NPT.

