

Pressure & Vacuum gauges



GENERAL

Pressure gauges are used in chlorine gas line supply for monitoring the chlorine gas pressure in chlorine tanks and cylinders. While container or cylinder is discharging, the pressure is dropping, therefore pressure gauges are used to check the fullness of container or cylinder. It is important to consider that the pressure also depends on the surrounding temperature. For example at 20 °C pressure is 5.8bar, while at 40 °C 10,5bar.

Vacuum gauges are used in chlorine gas line supply between vacuum regulator and ejector. They monitor the vacuum in ejector and in the vacuum line. A constant vacuum ensures safety and reliable operation.



TECHNICAL DATA ▼

Case

Size 60 (2.36")

Accuracy Class

(EN 837-3)2.5(i.e. accuracy error less than +2.5% of full scale value);4 for gauges with protection foil covering the diaphragm

Pressure Ranges (EN 837-3)

0 ... 16 bar also standard vacuum 0....-1 bar

Pressure Limitations

Steady pressure / maximum: full scale value

Cyclic pressure: 90% of full scale value

Temperature Limitations

Ambient temperature : -20 /+50°C(-4 / +122 °F)

Medium temperature: max.+50° C(122 °F)

Temperature Caused Error

The accuracy error caused by media or ambient temperatures differing from +20 °C (+68° F) is significant. In accordance with EN 837-3 it maybe up to .8 % f.s. per each 10 °C (18°F).

Protection Type

(EN 60529 / IEC 529)IP 43

Connection

¼" BSP bottom connection or center back connection

Movement

Brass/German silver

Dial

Aluminum alloy, black figures, white background

Pointer

Aluminum alloy blackCaseBezel ring, black painted, screwed on to the vertical mounted lower half

Lens

Single strength glass lens

ORDER CODES ▶

| Model | Order code | Description | Reading |
|----------|------------|----------------|-----------------------|
| M 3907/1 | EAX00014 | Pressure gauge | Pressure: 0 to 16 bar |
| M 3907/2 | EAX00010 | Vacuum gauge | Vacuum: 0 to -1 bar |