PFEIFFER VACUUM

Capacitance Gauges CMR 361 (1 · 10^{-1} - 1100 hPa), temperature compensated

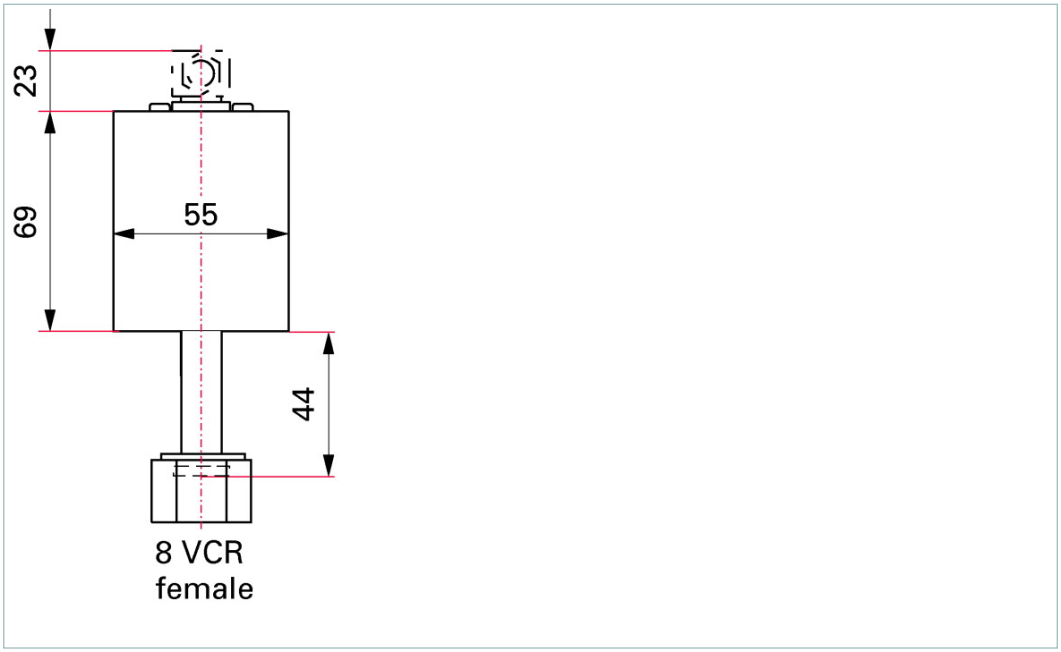
The capacitance diaphragm gauges CMR afford highly accurate vacuum measurements. The sensor is designed in ceramic technology, thus assuring only marginal zero drift and outstanding long-term and temperature stability.

Similar Image

CMR 361, 1000 hPa F.S., 8 VCR

- Flange size: DN 8 VCR
- Measurement range from 1 · 10^{-1} hPa to 1100 hPa
- Capacitive diaphragm gauge for ActiveLine
- Sensor in ceramic technology
- No memory effects
- Materials employed have identical temperature coefficients
- Excellent temperature compensation
- Resistant to corrosive gases
- Excellent zero stability

Dimensions



Technical Data	CMR 361, 1000 hPa F.S., 8 VCR
Accuracy	0.2 % of reading
Bakeout temperature max. at the flange	110 °C | 230 °F | 383 K
Flange (in)	Cajon 8 VCR
Full scale	1,000 hPa | 750 Torr | 1,000 mbar
Measurement range max.	1,100 hPa | 825 Torr | 1,100 mbar
Measurement range min.	$1 \cdot 10^{-1}$ hPa | $7.5 \cdot 10^{-2}$ Torr | $1 \cdot 10^{-1}$ mbar
Membrane and measuring chamber	Ceramics (Al_2O_3 <= 99.5 %)
Output signal: Minimum load	10 k
Output signal: Pressure range	1 - 9.8 V
Output signal: Sensor error above	> 9.8 V
Output signal: Sensor error below	< 0.4 V
Pipe and flange	Stainless steel
Pressure max.	3,000 hPa | 2,250 Torr | 3,000 mbar
Protection category	IP 30
Resolution	0.003 % F.S.
Sensor cable length	120 m
Supply: Power consumption max.	1 W
Supply: Voltage	14–30 V DC
Temperature: Operating	5-50 °C | 41-122 °F | 278-323 K
Temperature: Storage	-40-65 °C | -40-149 °F | 233-338 K
Temperature effect: on span	0.01 % of reading/°C
Temperature effect: on zero	0.005 % F.S./°C
Volume	3.6 cm^3
Weight	370 g

Order number	
Capacitance Gauges CMR 361 ($1 \cdot 10^{-1}$ - 1100 hPa), temperature compensated	**PT R24 603**

Accessories	
ActiveLine sensor cables	
Sensor cable, 3 m	**PT 448 250 -T**