



**CMR 363, 10 hPa F.S., DN 16 CF-R**



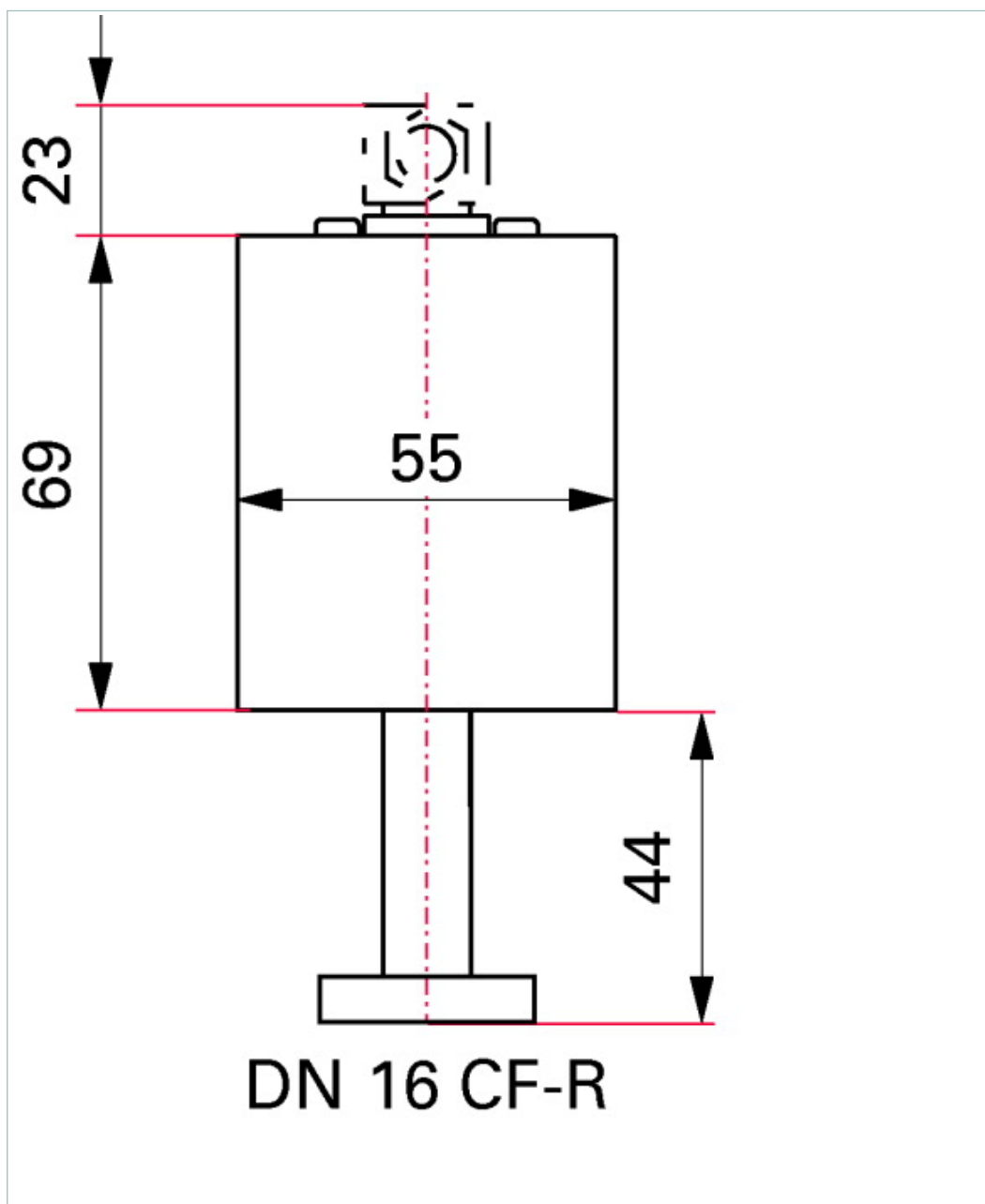


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### CMR 363, 10 hPa F.S., DN 16 CF-R

- Precise pressure measurement independent of type of gas
- Measurement range up to four decades
- Gauge for connection to TPG
- Flange size: DN 16 CF-R
- Measurement range from  $1 \cdot 10^{-3}$  hPa to 11 hPa
- Minimal zero drift
- Sensor in ceramic technology
- No memory effects
- Materials employed have identical temperature coefficients
- Precise temperature compensation
- Calibration test report included in delivery

#### Dimensions



Technical Data	CMR 363, 10 hPa F.S., DN 16 CF-R
Accuracy	0.20 % of reading
Bakeout temperature max. at the flange	$\leq 110\text{ }^{\circ}\text{C}$   $\leq 230\text{ }^{\circ}\text{F}$   $\leq 383\text{ K}$
Full Scale	10 hPa   7.5 Torr   10 mbar
Measurement range max.	11 hPa   8.25 Torr   11 mbar
Measurement range min.	$1 \cdot 10^{-3}\text{ hPa}$   $7.5 \cdot 10^{-4}\text{ Torr}$   $1 \cdot 10^{-3}\text{ mbar}$
Membrane and measuring chamber	Ceramics ( $\text{Al}_2\text{O}_3$ 99.5 %)
Method of measurement	Capacitance
Nominal diameter	DN 16 CF-R
Output signal: Minimum load	10 k $\Omega$
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.	2,000 hPa   1,500 Torr   2,000 mbar
Protection category	IP30
Resolution	0.003 % F.S.
Response time	30 ms
Sensor cable length	$\leq 120\text{ m}$
Supply: Power consumption max.	$\leq 1\text{ W}$
Supply: Voltage	14-30 V DC
Temperature: Operating	$5\text{-}50\text{ }^{\circ}\text{C}$   $41\text{-}122\text{ }^{\circ}\text{F}$   $278\text{-}323\text{ K}$
Temperature: Storage	$-40\text{-}65\text{ }^{\circ}\text{C}$   $-40\text{-}149\text{ }^{\circ}\text{F}$   $233\text{-}338\text{ K}$
Temperature effect: on span	0.01 % of reading/ $^{\circ}\text{C}$
Temperature effect: on zero	0.005 % F.S./ $^{\circ}\text{C}$
Volume	$\leq 3.6\text{ cm}^3$
Weight	$\leq 350\text{ g}$

Order number	
CMR 363	PT R24 622

Accessories	
<b>Accessory for ActiveLine gauges and controllers</b>	
Mating connector	B 4707 283 MA
Sensor cable, 3 m	PT 448 250 -T