



CCR 365, 0,1 Torr F.S., DN 16 CF-R



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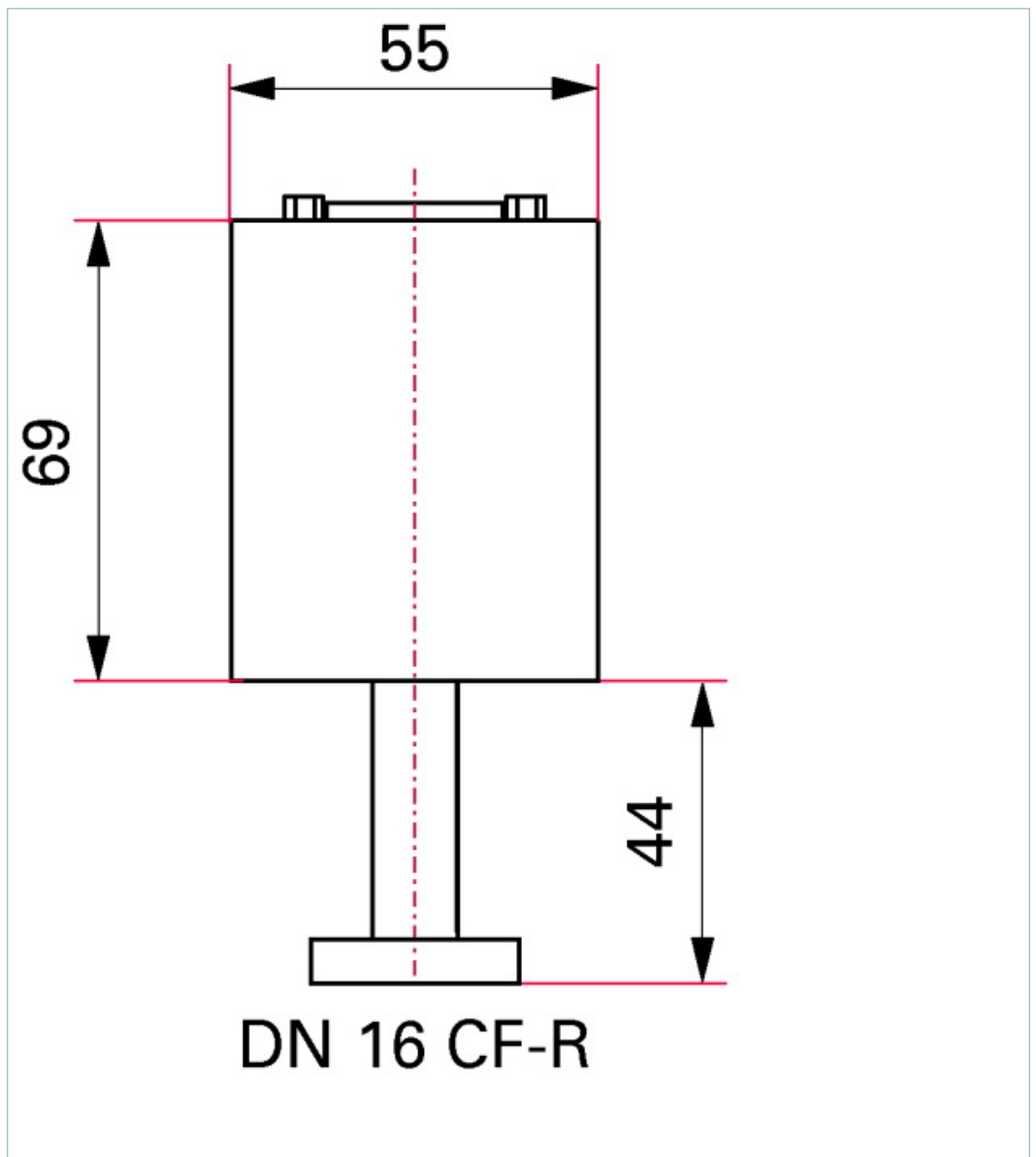


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- Precise pressure measurement independent of type of gas
- Measurement range up to four decades
- Connector plug D-sub 15-pole, output signal and plug-and-socket connector compatible with MKS Baratron®
- Measurement range from $1 \cdot 10^{-5}$ hPa to 0,13 hPa ($1 \cdot 10^{-5}$ Torr to 0.1 Torr)
- Accuracy: 0.5 % of measurement
- Supply voltage: 14 – 30 V
- Output signal: 0 – 10 V
- Ceramic technology sensor
- No memory effects
- Precise temperature compensation
- Minimal zero drift
- Output signal an connector compatible with MKS Baratron
- Calibration test report included in delivery

Dimensions



Technical Data	CCR 365, 0,1 Torr F.S., DN 16 CF-R
Accuracy	0.50 % 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	0.1 Torr
Measurement range max.	0.13 hPa 0.1 Torr 0.13 mbar
Measurement range min.	$1 \cdot 10^{-5}$ hPa $7.5 \cdot 10^{-6}$ Torr $1 \cdot 10^{-5}$ mbar
Membrane and measuring chamber	Ceramics (Al_2O_3 99.5 %)
Method of measurement	Capacitance
Nominal diameter	DN 16 CF-R
Output signal: Minimum load	$> 10\text{ k}\Omega$
Output signal: Pressure range	0-10 V
Pipe and flange	Stainless steel
Pressure max.	1,300 hPa 975 Torr 1,300 mbar
Protection category	IP30
Resolution	0.003 % F.S.
Response time	130 ms
Sensor cable length	100 m (0.14 mm ² conductor) 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	0.03 % of reading/ $^{\circ}\text{C}$
Temperature effect: on zero	0.02 % F.S./ $^{\circ}\text{C}$
Volume	$\leq 3.6\text{ cm}^3$
Weight	$\leq 370\text{ g}$
Order number	
CCR 365	PT R27 642