



CCR 362, 100 Torr F.S., 8 VCR



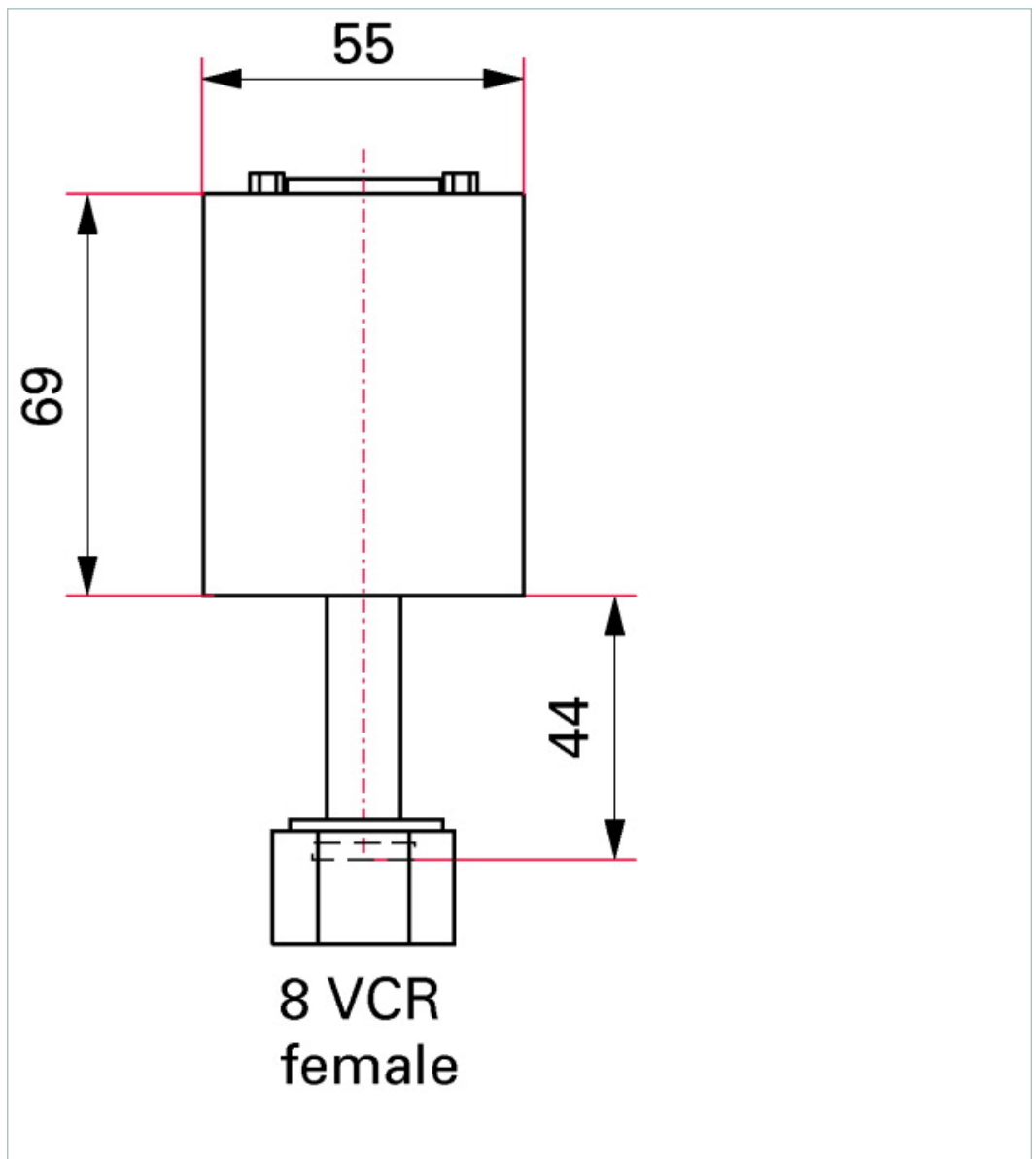


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CCR 362, 100 Torr F.S., 8 VCR

- 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 $1.33 \cdot 10^{-2}$ hPa to 133 hPa
- Accuracy: 0.2 % 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 362, 100 Torr F.S., 8 VCR |
|--|--|
| Accuracy | 0.20 % of reading |
| Bakeout temperature max. at the flange | $\leq 370\text{ }^{\circ}\text{C}$ $\leq 698\text{ }^{\circ}\text{F}$ $\leq 643\text{ K}$ |
| Full Scale | 100 Torr |
| Measurement range max. | 133 hPa 99.75 Torr 133 mbar |
| Measurement range min. | $1.33 \cdot 10^{-2}\text{ hPa}$ $9.97 \cdot 10^{-3}\text{ Torr}$ $1.33 \cdot 10^{-2}\text{ mbar}$ |
| Membrane and measuring chamber | Ceramics (Al_2O_3 99.5 %) |
| Method of measurement | Capacitance |
| Nominal diameter | Cajon 8 VCR |
| Output signal: Minimum load | $> 10\text{ k}\Omega$ |
| Output signal: Pressure range | 0-10 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 | 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 | 0.01 % of reading/ $^{\circ}\text{C}$ |
| Temperature effect: on zero | 0.005 % F.S./ $^{\circ}\text{C}$ |
| Volume | $\leq 3.6\text{ cm}^3$ |
| Weight | $\leq 370\text{ g}$ |
| Order number | |
| CCR 362 | PT R27 613 |