



TPR 280, 80 °C, 8 VCR



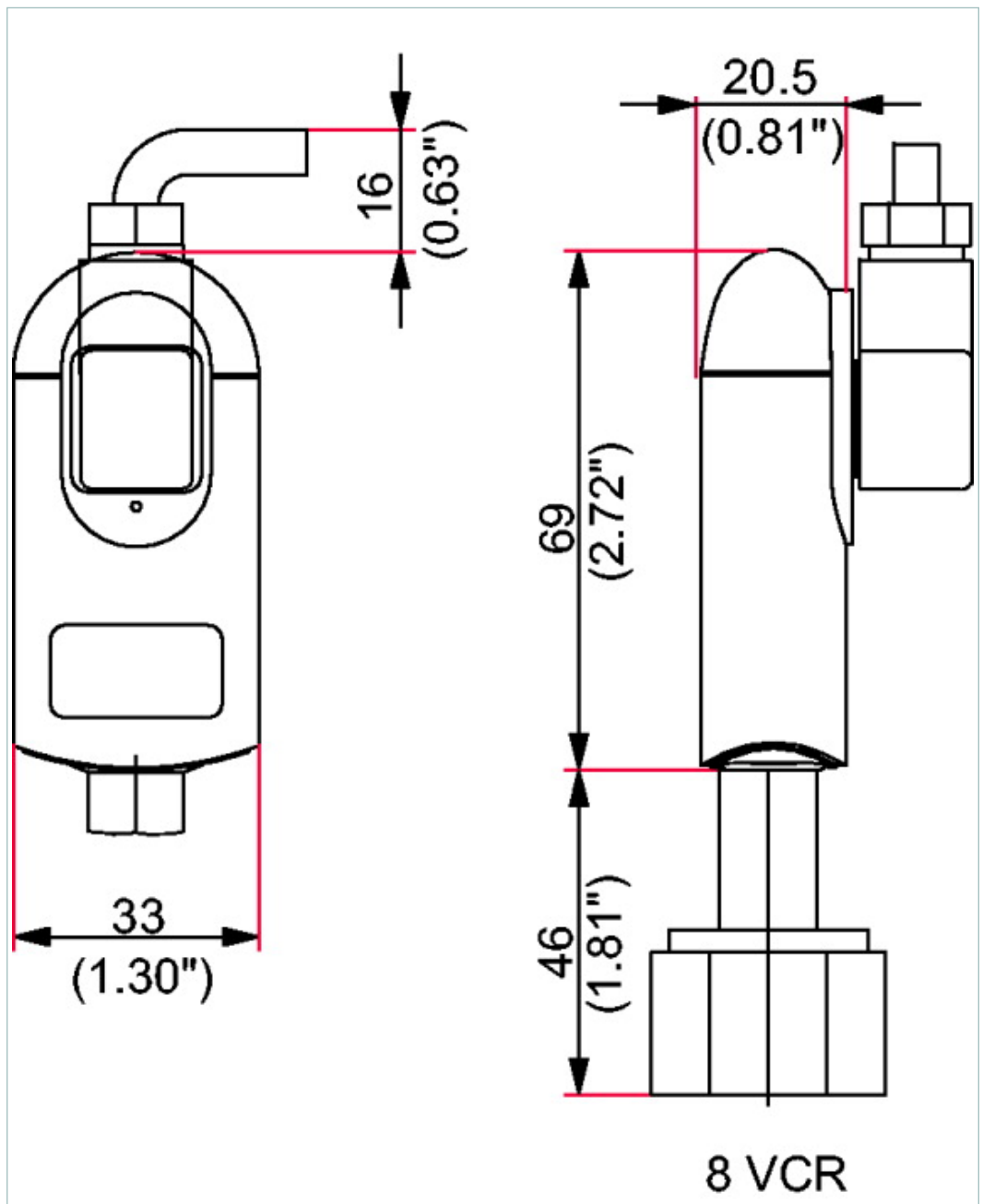


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- Responsive measurement
- Display range $5 \cdot 10^{-4}$ to 1000 hPa
- Flange size: DN 8 VCR
- Maximum pressure refers to inert gases
- Compact and rugged
- For general vacuum applications

Dimensions



Technical Data

Accuracy: 10^{-3} - 10^2 hPa

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± 15 %

Technical Data	TPR 280, 80 °C, 8 VCR
Bakeout temperature	80 °C 176 °F 353 K
Feature	Stainless steel, metal sealed
Feedthrough	Glass
Filament	Tungsten
Flange	Stainless steel
Measurement range max.	1,000 hPa 750 Torr 1,000 mbar
Measurement range min.	5 · 10 ⁻⁴ hPa 3.75 · 10 ⁻⁴ Torr 5 · 10 ⁻⁴ mbar
Method of measurement	Pirani
Nominal diameter	8 VCR
Output signal: Minimum load	10 kΩ
Output signal: Pressure range	2.2 - 8.5 V
Output signal: Sensor error below	0.5 V
Pressure max.	10,000 hPa 7,500 Torr 10,000 mbar
Protection category	IP40
Repeatability: 10 ⁻³ - 10 ² hPa	± 2 %
Resolution	1 % of reading
Response time	80 ms
Seal	Metal
Sensor cable length max.	200 m
Supply: Power consumption max.	1 W
Supply: Voltage	14-30 V DC
Temperature: Operating	5-60 °C 41-140 °F 278-333 K
Temperature: Storage	-20-65 °C -4-149 °F 253-338 K
Volume	2 cm ³
Weight	130 g

Order number
TPR 280
PT R26 953

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