



**IKR 270, metal sealed, DN 40 CF-F**



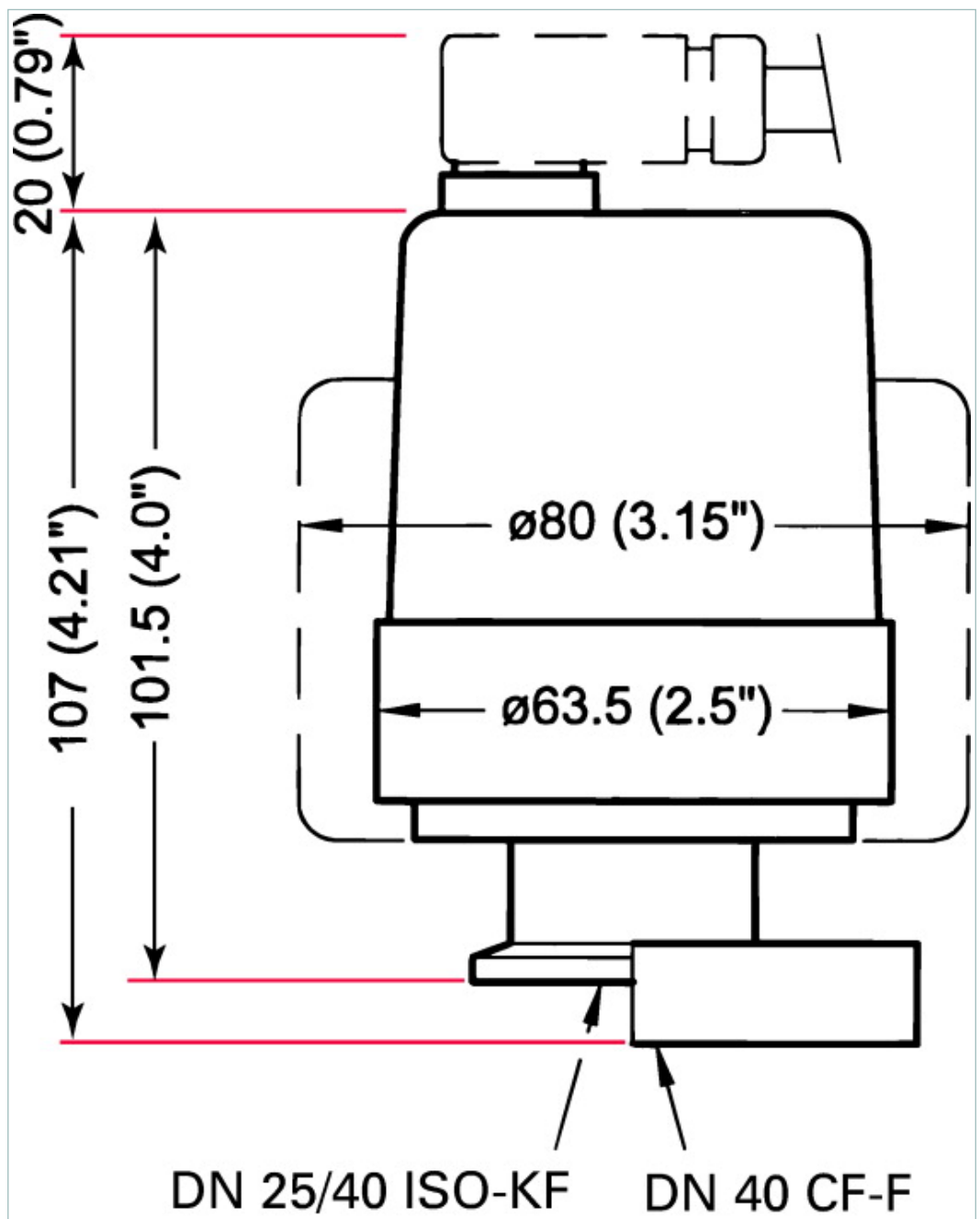


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### IKR 270, metal sealed, DN 40 CF-F

- Optimized for high vacuum
- Display range  $5 \cdot 10^{-11}$  to  $1 \cdot 10^{-2}$  hPa
- Flange size: DN 40 CF-F
- Maximum pressure refers to inert gases and temperatures of less than 55 °C
- Cold cathode (inverted magnetron)
- Rugged and dependable
- Insensitive to air ingress
- Corrosion-resistant

#### Dimensions



Technical Data	IKR 270, metal sealed, DN 40 CF-F
Accuracy: $10^{-9}$ - $10^{-3}$ hPa	$\pm 30$ %
Anode	Molybdenum
Bakeout temperature	electronic removed, $\leq 250$ °C   electronic removed, $\leq 482$ °F   electronic removed, $\leq 523$ K
Cable length	500 m
Feature	Metal sealed
Feedthrough	Al <sub>2</sub> O <sub>3</sub>
Flange	Stainless steel
Measurement range max.	0.01 hPa   $7.5 \cdot 10^{-3}$ Torr   0.01 mbar
Measurement range min.	$5 \cdot 10^{-11}$ hPa   $3.75 \cdot 10^{-11}$ Torr   $5 \cdot 10^{-11}$ mbar
Method of measurement	Cold Cathode
Nominal diameter	DN 40 CF-F
Output signal: Minimum load	10 k $\Omega$
Output signal: Pressure range	1.8 - 8.5 V
Output signal: Sensor error below	0.5 V
Pressure max.	1000 kPa
Repeatability: $10^{-9}$ - $10^{-3}$ hPa	$\pm 5$ %
Seal	Ag
Supply: Power consumption max.	2 W
Supply: Voltage	15-30 V
Temperature: Operating	5-55 °C   41-131 °F   278-328 K
Temperature: Storage	-40-65 °C   -40-149 °F   233-338 K
Volume	20 cm <sup>3</sup>
Weight	950 g

Order number	
IKR 270	PT R21 251

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