



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



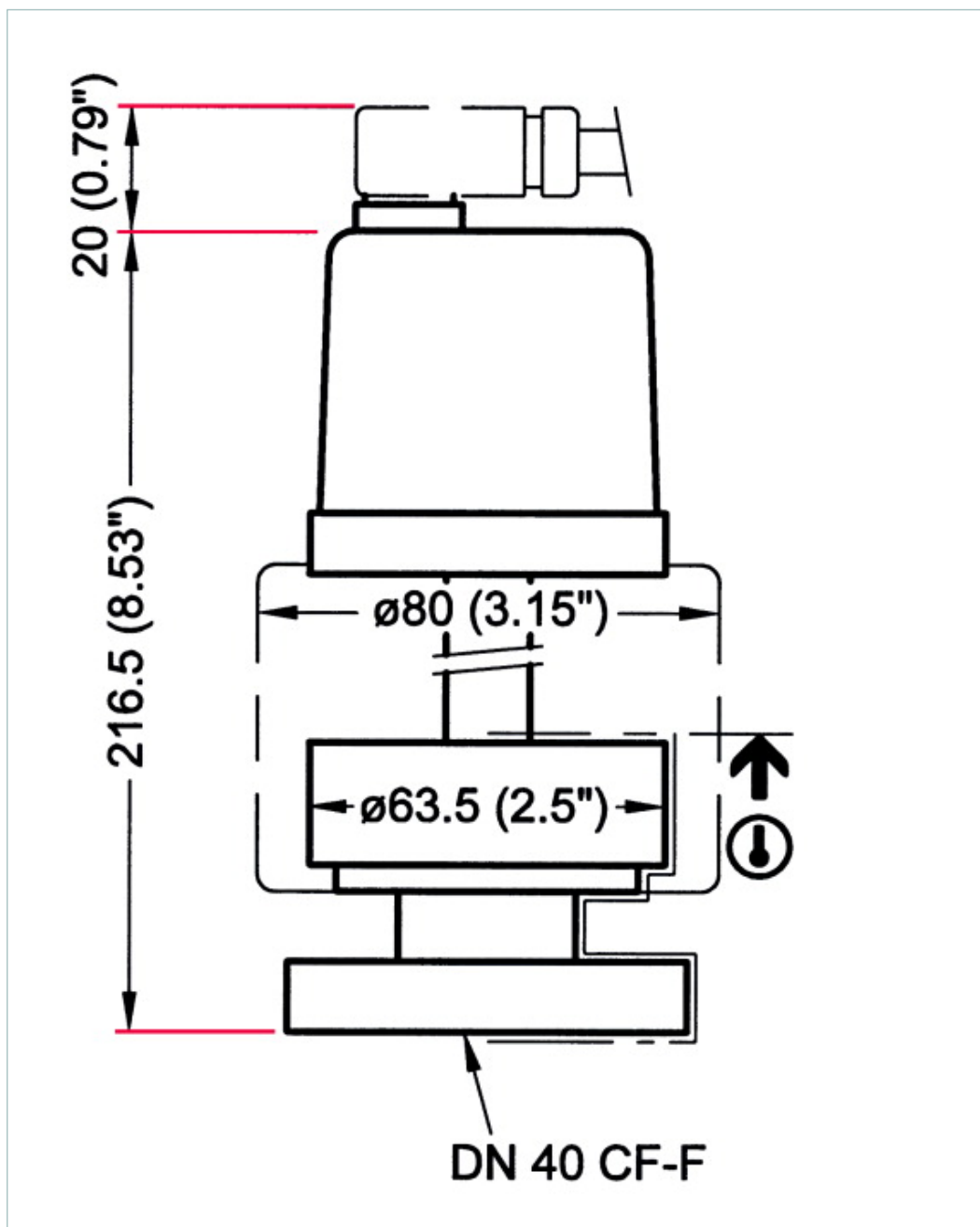


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## IKR 270, metal sealed, long case, DN 40 CF-F

- 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
- Extra-long case in bake-out area
- Max. operating temperature: 250 °C

### Dimensions



Technical Data		IKR 270, metal sealed, long case, DN 40 CF-F	
Accuracy: $10^{-9}$ - $10^{-3}$ hPa		$\pm 30\%$	
Anode		Molybdenum	
Bakeout temperature		In operation, $\leq 250\text{ }^{\circ}\text{C}$   In operation, $\leq 482\text{ }^{\circ}\text{F}$   In operation, $\leq 523\text{ K}$	
Cable length		500 m	
Feature		Metal sealed	
Feedthrough		$\text{Al}_2\text{O}_3$	
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		$5\text{ }^{\circ}\text{C}$   $41\text{ }^{\circ}\text{F}$   278 K	
Temperature: Storage		$-40$ - $65\text{ }^{\circ}\text{C}$   $-40$ - $149\text{ }^{\circ}\text{F}$   233-338 K	
Volume		20 cm <sup>3</sup>	
Weight		1200 g	

Order number	
IKR 270	PT R21 261

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