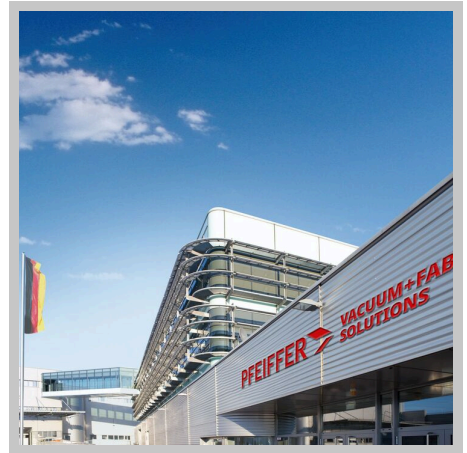




IKR 270, metal-sealed, DN 40 CF-F



PFEIFFER ➤

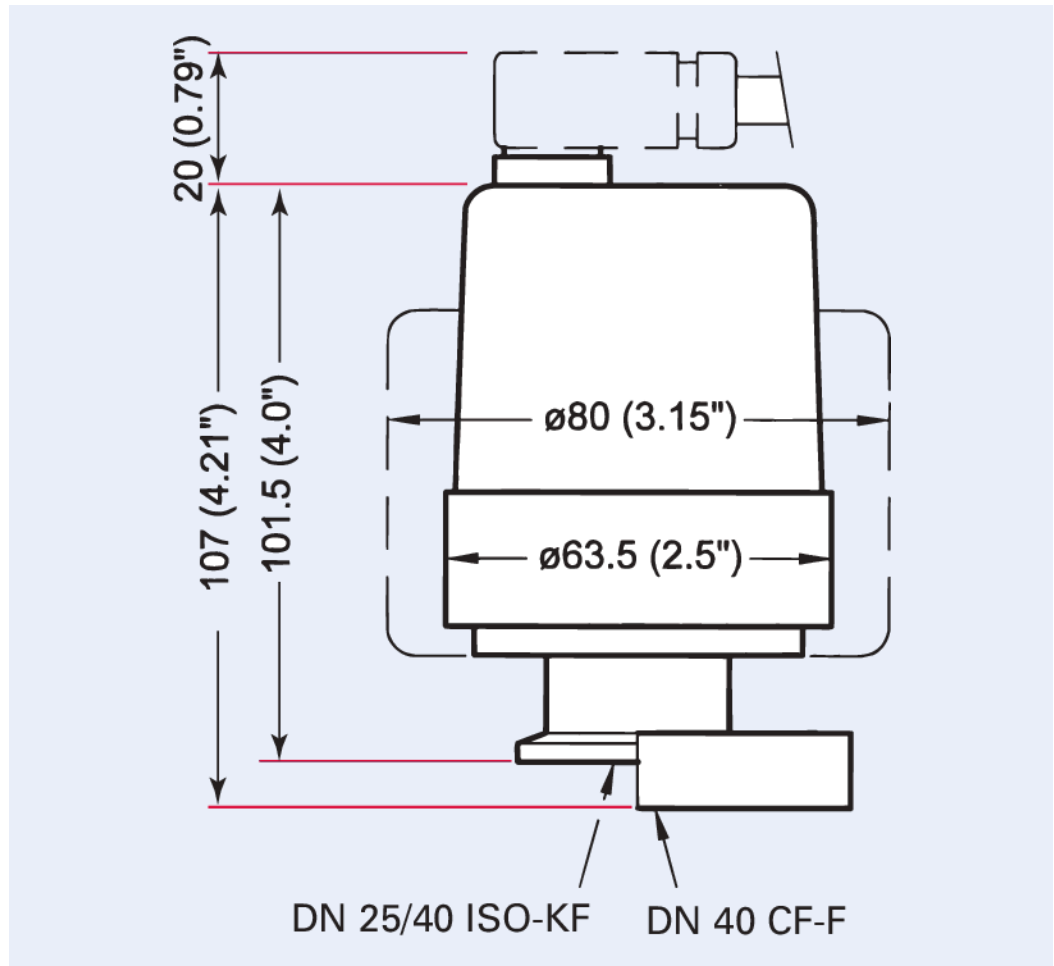


Illustration only

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

- Flange size DN 40 CF-F
- The maximum pressure applies to inert gases and temperatures below 55 °C
- Cold cathode (inverted magnetron)
- Rugged and dependable
- Insensitive to air ingress
- Corrosion resistant

Dimensions



IKR 270

Technical Data	IKR 270, metal-sealed, DN 40 CF-F
Output signal: Measuring range	1.96 – 8.6 V
Feedthrough	Al ₂ O ₃
Measuring range	$5 \cdot 10^{-11}$ – $1 \cdot 10^{-2}$ hPa
Flange, material	Stainless steel
Seal	Silver
Anode	Mo
Ambient temperature	5 – 55 °C
Special feature	Metal sealed
Temperature: Storage, max	+65 °C
Temperature: Storage, min	-40 °C
Measuring accuracy	30 % ($1 \cdot 10^{-9}$ hPa – $1 \cdot 10^{-3}$ hPa)
Measuring method	Cold cathode
Input voltage(s)	15 – 30 V DC
Volume	20 cm ³
Output signal: Minimum load	10 kΩ
Pressure max.	$1 \cdot 10^4$ hPa $7.5 \cdot 10^3$ Torr $1 \cdot 10^4$ mbar
Weight	0.95 kg 2.09 lb
Pressure max.	$1 \cdot 10^4$ hPa
Power consumption max.	2 W
Output signal: Minimum load	10 kΩ
Connection flange	DN 40 CF-F
Weight	0.95 kg
Bakeout temperature max.(electronics removed)	≤250 °C

Order number	IKR 270, metal-sealed, DN 40 CF-F
IKR 270, metal-sealed, DN 40 CF-F	PT R21 251

IKR 270

Accessories	IKR 270, metal-sealed, DN 40 CF-F
Anode for metal-sealed cold cathode gauge IKR 020/060/070/260/261/270 and for PKR 260/261	BG510593-X
IKR ignition aid, 10 pieces	BN845995-T
Repair kit IKR for metal-sealed IKR, consisting of anode, ignition aid and metal seal	BN846240-T
Maintenance kit for IKR/PKR 260/261 metal-sealed	BN846241-T
Electronics for IKR 270 with Hirschmann connector	PT 120 150 -T



Errors and/or changes excepted. - 9/30/2025

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