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Pfeiffer ACP-28CV Technical Specifications

ACP 28CV version, permanent gas ballast	
Ambient temperature	12-40 °C 53.6-104 °F 285-313 K
Connection flange (in)	DN 25 ISO-KF
Connection flange (out)	DN 25 ISO-KF
Continuous inlet pressure, max.	1,013 hPa 759.75 Torr 1,013 mbar
Cooling	Air
Corrosive gas version	Yes (light load)
Dimensions (L x W x H)	647 x 308 x 322 mm 25.47 x 12.13 x 12.68 inch
Exhaust pressure, max.	1,200 hPa 900 Torr 1,200 mbar
Final pressure with gas ballast	$3 \cdot 10^{-1}$ hPa $2.25 \cdot 10^{-1}$ Torr $3 \cdot 10^{-1}$ mbar
Final pressure without gas ballast	$4 \cdot 10^{-2}$ hPa $3 \cdot 10^{-2}$ Torr $4 \cdot 10^{-2}$ mbar
Gas ballast	Yes
Gas ballast flow	2.4 m ³ /h 1.41 cfm 40 l/min
Helium leakage rate, max.	$5 \cdot 10^{-7}$ hPa·l/s
Mains cable	Yes, EU mains cable
Mains connection	110 – 230 V AC (±10%) 50/60 Hz
Mains connection: frequency (range)	50/60 Hz
Max. pumping capacity of pure water vapor at 20°C	700 g/h
N ₂ sealing gas flow	40 slpm (0 °C)
Power consumption at final pressure	700 W
Processes	Light Duty Applications
Pumping speed	27 m ³ /h 15.89 cfm 450 l/min
Sound pressure level	65 dB(A)
Version	For condensable vapors
Weight	30 kg 66.14 lb



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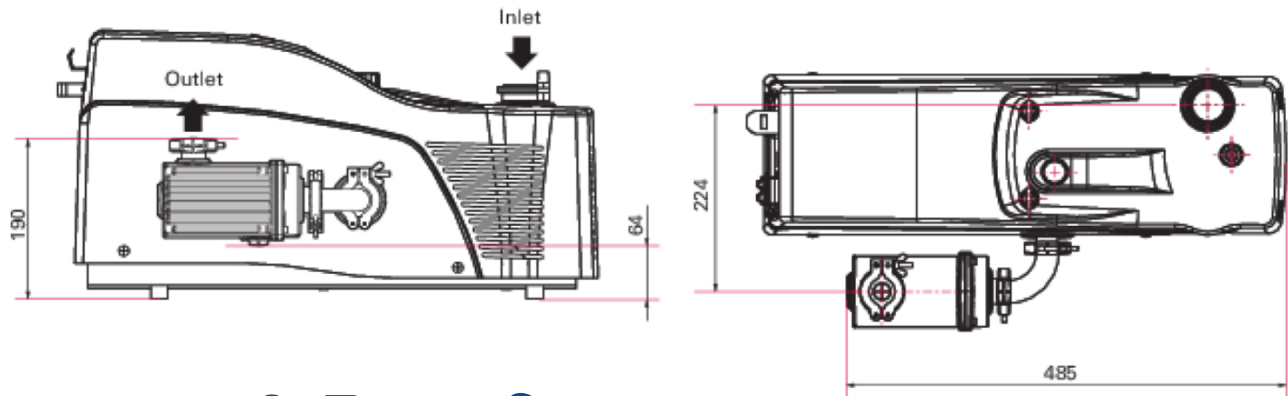
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Pfeiffer ACP-28CV Dimensions



Features & Benefits

- CV series: specifically designed to prevent vapor condensation inside the pumping module; extend pure water vapor pumping capacity
- high gas ballast flow, external drainable silencer, gas purge
- dry, multi-stage Roots technology
- no contamination, no hydrocarbon vapors backstreaming
- no wearing parts in the pumped gases path
- constant performances, high reliability
- low maintenance costs

Applications

- electron microscopes • mass spectrometers • surface analyzers
- leak detectors • particle accelerators • laboratories • lamp manufacturing • plasma cleaning • vacuum coating