



Pfeiffer ACP-15G

Technical Specifications

ACP 15, G version, single-phase, purge port	
Ambient temperature	12-40 °C 53.6-104 °F 285-313 K
Connection flange (in)	DN 25 ISO-KF
Connection flange (out)	DN 16 ISO-KF
Continuous inlet pressure, max.	1,013 hPa 759.75 Torr 1,013 mbar
Cooling	Air
Corrosive gas version	Yes (light duty)
Dimensions (L x W x H)	514 x 190 x 270 mm 20.24 x 7.48 x 10.63 inch
Emission sound pressure level without gas ballast or purge	63 dB(A)
Final pressure without gas ballast	$5 \cdot 10^{-2}$ hPa $3.75 \cdot 10^{-2}$ Torr $5 \cdot 10^{-2}$ mbar
Helium leak rate, max.	$5 \cdot 10^{-8}$ Pa m ³ /s $3.75 \cdot 10^{-7}$ Torr l/s $5 \cdot 10^{-7}$ mbar l/s
N ₂ sealing gas flow	5 slpm (0 °C)
Power consumption at ultimate pressure	450 W
Processes	Light Duty Applications
Pumping speed	14 m ³ /h 8.24 cfm 233.33 l/min
Version	Corrosive gas version
Weight	23 kg 50.71 lb





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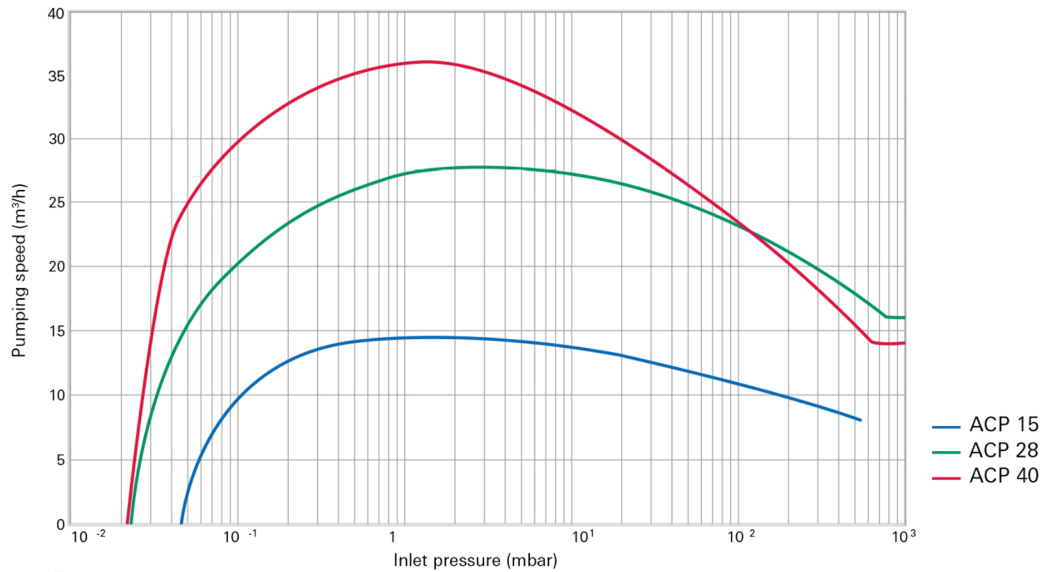
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Pfeiffer ACP-15G Pumping Curves



Dimensions

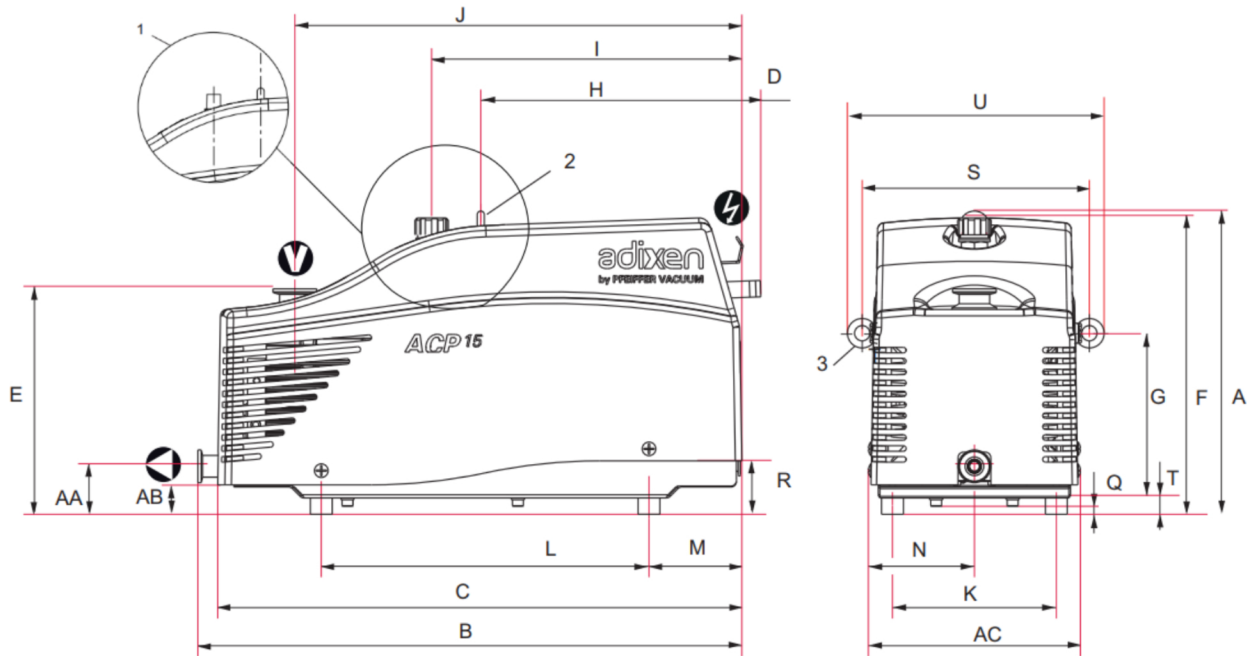


Fig. 7: ACP 15 /ACP 15 G - Dimensions (mm)

- 1 Purge port (ACP 15 G model)
- 2 Hoisting ring (with single-phase frequency converter)
- 3 Hoisting rings (with three phase frequency converter)

ACP 15/ACP 15 G	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q	R	S	T	U	AA	AB	AC
Single-phase	272	498	475	11	207	-	-	239	284	409	150	300	85	93	7	-	-	15	-	44	-	190
Three-phase	272	497	477	18	207	266	170	238	283	408	150	300	84	95	7	52	208	15	235	44	30	190



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Pfeiffer ACP-15G Features & Benefits

- specifically designed for pumping traces of corrosive gases
- non-contact, compact design
- no contamination
- optimized for operation with zero lubricants or seals
- no hydrocarbon vapor backstreaming
- constant clearances & rotational speed; high reliability
- low maintenance costs
- single-phase built-in frequency converter
- low noise & vibration levels
- air cooled

Applications

- process monitoring • focused ion beams • load locks • transfer chambers • analytical instruments • surface analysis • leak detectors • research & development • industry