



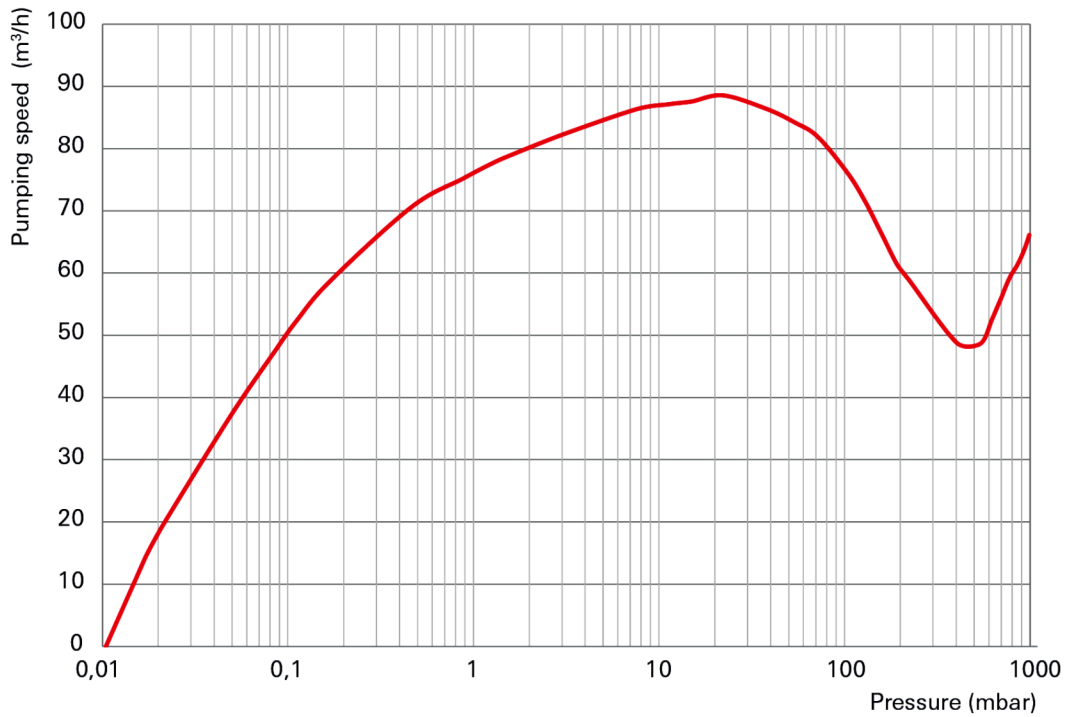
Pfeiffer ACP-90

Technical Specifications

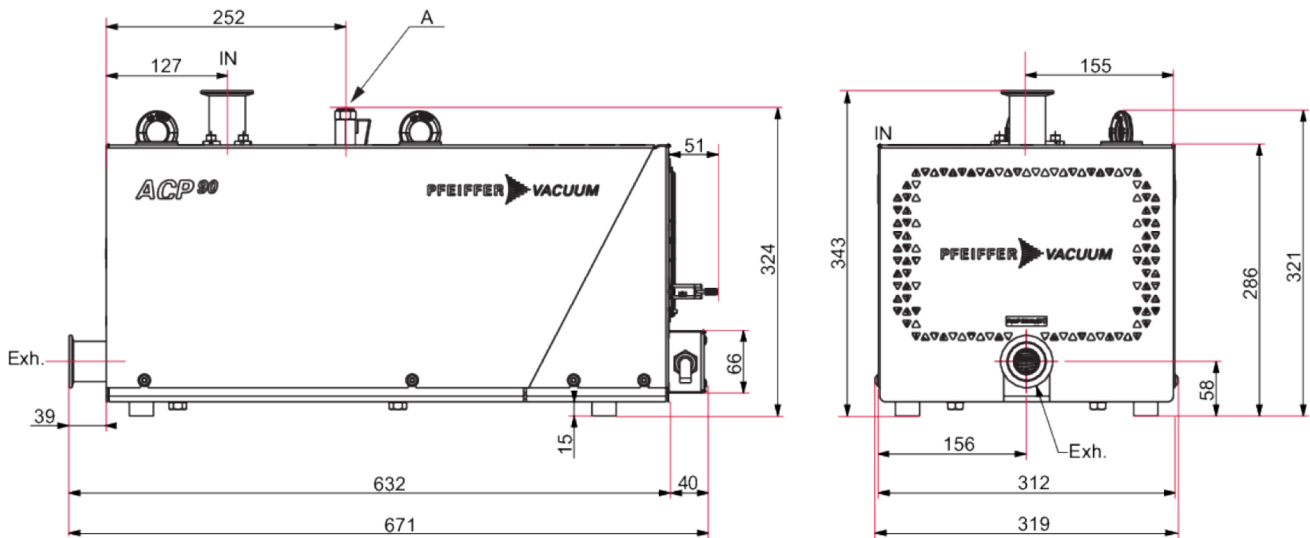
	ACP 90, single phase, manual gas ballast
Ambient temperature	12-40 °C 53.6-104 °F 285-313 K
Connection flange (in)	DN 40 ISO-KF
Connection flange (out)	DN 40 ISO-KF
Continuous inlet pressure, max.	1,013 hPa 759.75 Torr 1,013 mbar
Cooling method	Air
Corrosive gas version	No
Dimensions (L x W x H)	671 x 319 x 324 mm 26.42 x 12.56 x 12.76 inch
Exhaust pressure, max.	1,200 hPa 900 Torr 1,200 mbar
Final pressure without gas ballast or purge, max.	$3 \cdot 10^{-2}$ hPa $2.25 \cdot 10^{-2}$ Torr $3 \cdot 10^{-2}$ mbar
Floor contact	Wheels
Gas ballast	Yes
Gas ballast flow	70 l/min
Helium leakage rate, max.	$< 5 \cdot 10^{-6}$ hPa·l/s
Mains connection	200 – 240 V AC ($\pm 10\%$)
Mains connection: frequency (range)	50/60 Hz
Motor type	1-ph motor
Power consumption at final pressure	1280 W
Processes	Light Duty Applications
Pumping speed	88 m ³ /h 51.8 cfm 1,466.67 l/min
Typical final pressure with gas ballast	$1 \cdot 10^{-1}$ hPa $7.5 \cdot 10^{-2}$ Torr $1 \cdot 10^{-1}$ mbar
Typical final pressure without gas ballast or purge	$3 \cdot 10^{-2}$ hPa $2.25 \cdot 10^{-2}$ Torr $3 \cdot 10^{-2}$ mbar
Version	Standard
Weight	75 kg 165.34 lb



Pfeiffer ACP-90 Pumping Curves



Dimensions





PROVAC

SALES

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Pfeiffer ACP-90 Features & Benefits

- high pumping speed at high pressure; constant performance
- designed for oil and particle free applications
- frictionless design = no particle contamination
- free of lubricant.oil in pumping module = no vapor backstreaming
- low maintenance cost, no annual maintenance
- high flow gas ballast
- pump made of chemically resistant materials
- low power consumption at high pressure

Applications

- freeze drying • vacuum oven • plasma cleaning • load lock • coating
- semiconductor • research & development • particle accelerators

