



Agilent MS-120

Technical Specifications

Feature	Unit of measure	Value
Nominal speed (at 1500 rpm) (according to PNEUROP standard 6602)	m ³ /h [cfm]	156 [92]
Effective capacity at 5 mbar abs. (3.75 torr)	m ³ /h [cfm]	≥120 [≥71]
Ultimate total pressure with gas ballast valve open	mbar [torr]	≤0.2 [≤0.150]
Ultimate total pressure with gas ballast valve closed	mbar [torr]	≤0.07 [≤0.0525]
Oil capacity	L [Gal US]	1.8 [0.47]
Motor power (temperatures up to 40°C and altitudes lower than 1000m)	kW [Hp]	1.8 [2.4]
Nominal input voltage and frequency (~1ph)	V	200 - 240
	Hz	50 - 60
Internal main fuse (T type)	A	15
Touch current	mA	3.0 maximum
Operating temperature range	°C [°F]	+12° to +35° [+54° to +95°]
Sound pressure level (at 50Hz without gas ballast valve)	dB(A)	60±1
Water vapour tolerance	mbar [torr]	15 [11.25]
Water vapour pumping capacity	kg/h [lbs/h]	1 [2.2]
Inlet flange		ISO KF DN40
Outlet flange		ISO KF DN25
Main dimensions:		
- width	mm [inch]	516 [20.3]
- length	mm [inch]	750 [29.5]
- height	mm [inch]	539 [21.2]
Total weight	kg [lbs]	100 [220]
IP value		20
Installation category		II
Pollution degree		2
Max altitude	m	2000



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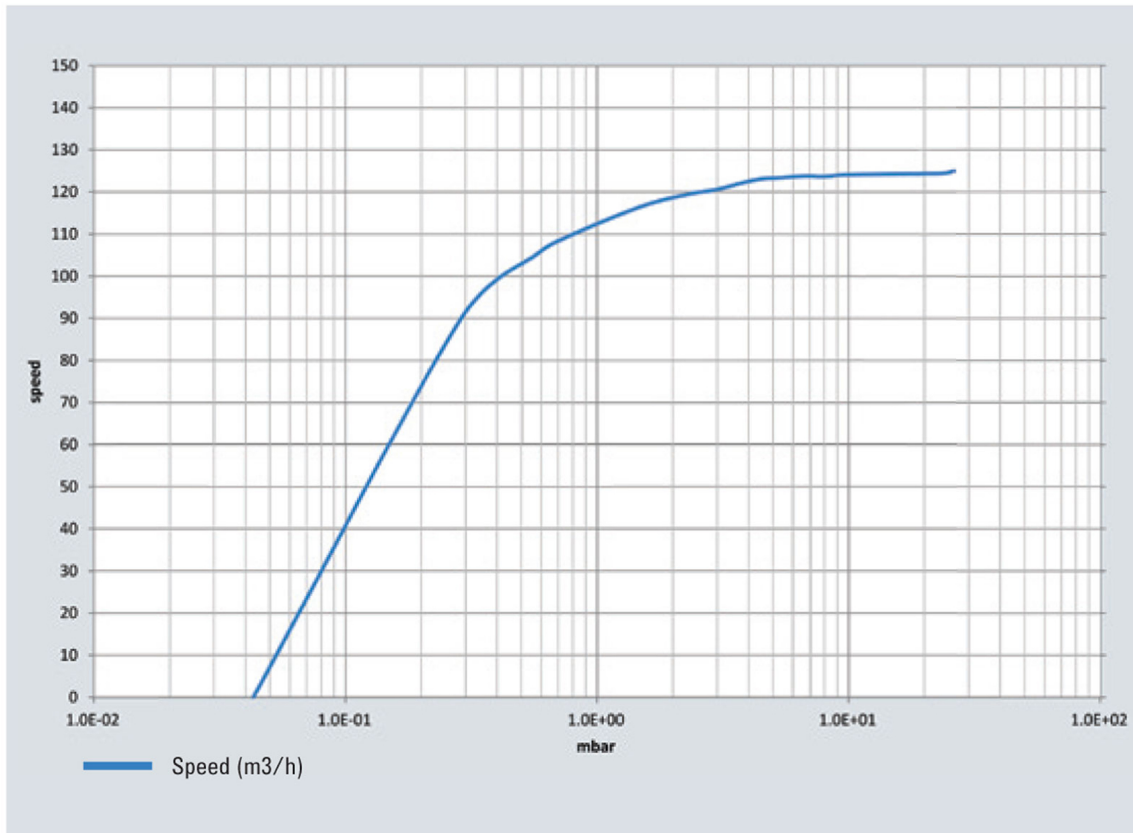
PHONE: 831-462-8900

FAX: 831-462-3536

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Pumping Curves



Pumping speed curve at 1500rpm

Applications

- mass spectrometry



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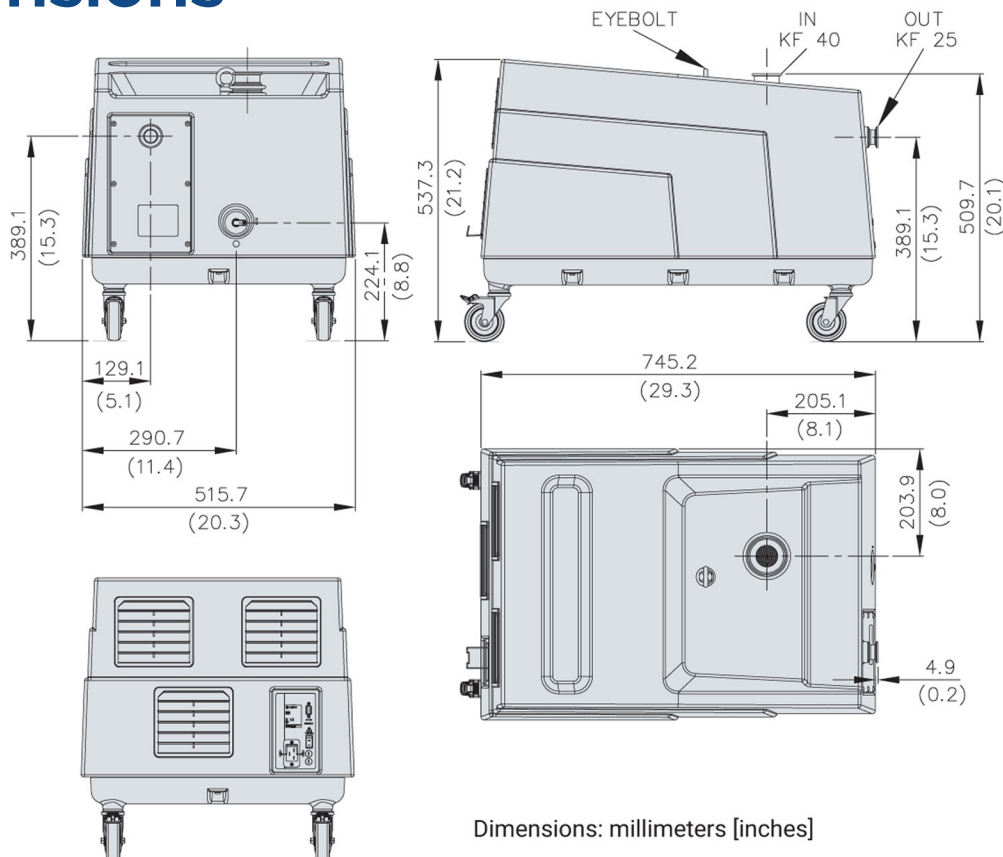
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Features & Benefits

- total solution for high end LC-MS
- compact footprint, low noise, and light weight
- variable speed control to optimize pump performance
- constant performance, long operating life
- remote and serial communication capability
- integrated quiet cover and wheels
- minimal oil backstreaming

Dimensions



Dimensions: millimeters [inches]