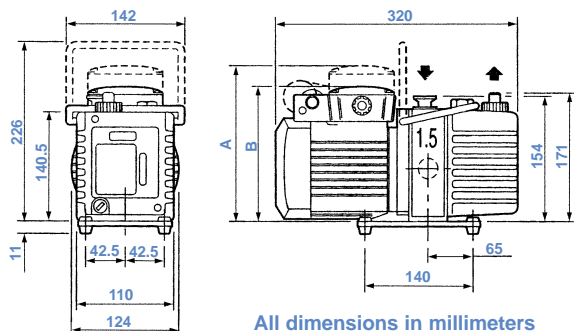


E2M1.5 Two Stage Rotary Pump

This miniature two stage pump features an alternative inlet connection position at the side of the pump so that overall installation height can be reduced to a minimum when required. The interstage version features an additional pumping port to provide a rough vacuum for auxiliary duties. This pump is widely used on mass spectrometers including the Agilent 5971, 5972, 5973, and 5975

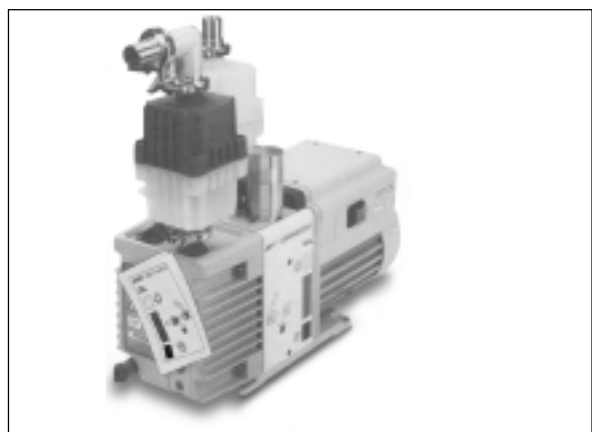
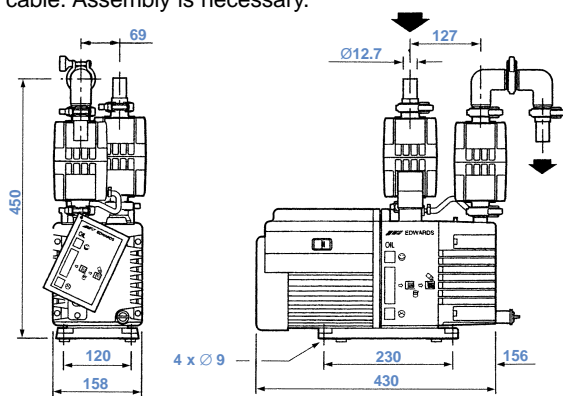


Part No.	Description
A371-22-902P	BOC Edwards E2M1.5 Pump 110-120V, 60Hz
A371-22-919P	BOC Edwards E2M1.5 Pump 220-240V, 60Hz
HPP7011MSD	BOC Edwards E2M1.5 Pump 110V with cord for Agilent MSD
A462-20-000	EMF3 Oil Mist Filter
A371-01-131	Clean and Overhaul Kit
A371-01-132	Blade Kit

Technical Data	
Number of Stages	2
Displacement (swept volume) 60 Hz	1.3 ft ³ min ⁻¹ (2.2 m ³ h ⁻¹)
Speed (Pneurop 6602) 60 Hz	1.2 ft ³ min ⁻¹ (2.0 m ³ h ⁻¹)
Ultimate vacuum (total pressure)	
gas ballast closed	1.1 x 10 ⁻³ torr (2.5 x 10 ⁻³ mbar)
with gas ballast	1.9 x 10 ⁻² torr (2.5 x 10 ⁻² mbar)
Inlet connection	NW10 flange
Outlet connection	Nozzle 11 mm external diameter removable from hole tapped 3/8" BSP
Maximum allowed pressure at outlet	7 psig (0.5 bar gauge)
Maximum inlet pressure for water vapor	11 torr (15 mbar)
Maximum water vapor pumping rate	0.16 kg h ⁻¹
Motor power 60 Hz	1/4 hp (0.16 kW)
Noise	54dB(A)
Oil Capacity – maximum	0.28 liter
minimum	0.20 liter
Weight	22 lbs (10 kg)

BOC Edwards General Laboratory Service Pump

The E-LAB 2 pump includes all the components needed for laboratory applications such as wet chemistry and sample preparation. Based on BOC Edwards proven past experience with vacuum pumps and developments in accessories, the E-LAB 2 pump allows continuous running, even in the presence of water and solvents. The pump is supplied with: outlet mist filter, oil return kit, oil change tag, nozzles, elbow, all fittings, 1 liter of oil, instruction manual and and electrical supply cable. Assembly is necessary.



Part No.	Description
A652-07-906	E-LAB2 pump, 110-120V
A652-07-903	E-LAB2 pump, 220-240V
A652-01-131	Clean and overhaul kit
A652-01-130	Blade kit

Technical Data	
Displacement (swept volume) 60 Hz	2.6 ft ³ min ⁻¹ (4.5 m ³ h ⁻¹)
Speed (Pneurop 6602) 60 Hz	2.3 ft ³ min ⁻¹ (3.9 m ³ h ⁻¹)
Ultimate vacuum (total pressure)	7.6 x 10 ⁻⁵ torr (1 x 10 ⁻¹ mbar)
Inlet connection	1/2" id hose adapter
Outlet connection	1/2" id hose adapter
Maximum allowed pressure at outlet	14 psig (1 bar gauge)
Maximum allowed inlet and gas ballast pressure	7 psig (0.5 bar gauge)
Maximum inlet pressure for water vapor	30 torr (40 mbar)
Maximum water vapor pumping rate	0.95 kg h ⁻¹
Mist Filter oil trap efficiency	99.999%
Motor power 60 Hz	0.30 kW
Operating temperature range	12-40°C
Noise	50dB(A)
Oil Capacity – maximum	0.7 liter
minimum	0.42 liter
Weight	47.3 lbs (21.6 kg)