

Products

Diaphragm Vacuum Pumps for the Chemical Laboratory

Dual-Stage Diaphragm Vacuum Pumps

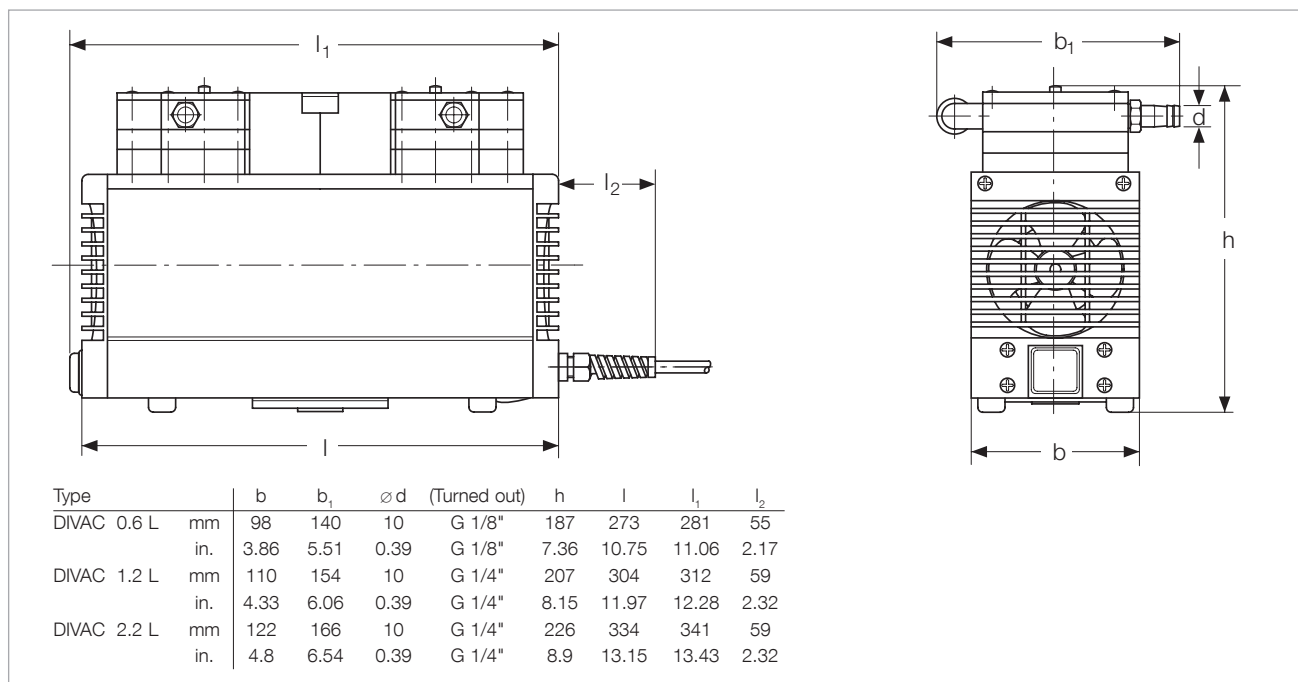
DIVAC 0.6 L, 1.2 L, 2.2 L



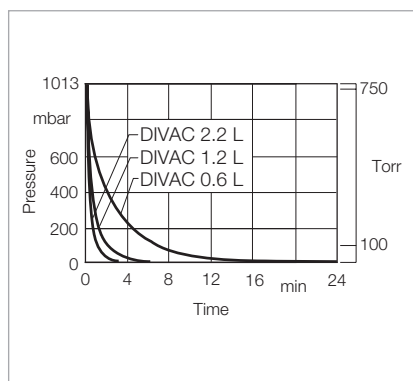
Typical Applications

- Vacuum generation for
- Rotary evaporators
 - Drying chambers
 - Filtration units
 - Distillation configurations
 - Gel dryers

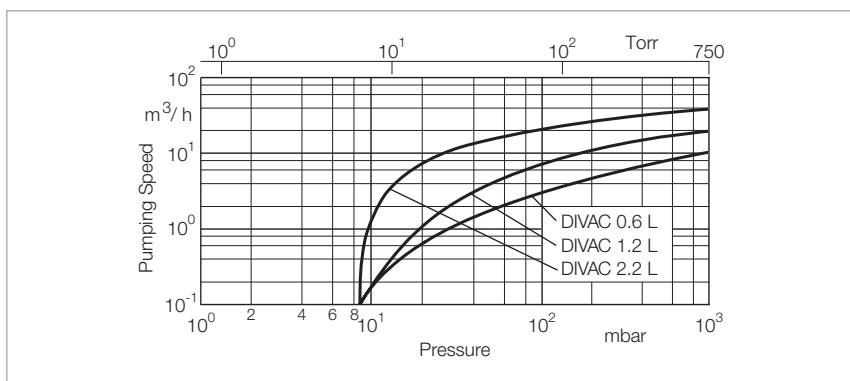
Dual-stage diaphragm vacuum pumps DIVAC 0.6 L, 1.2 L, 2.2 L



Dimensional drawing for the DIVAC 0.6 L, 1.2 L, 2.2 L



Curves of pump-down time of a 10 l vessel



Curves of pumping capacity

Technical Data
DIVAC

		0.6 L	1.2 L	2.2 L
Max. pumping speed (atm.)	m ³ /h ¹ (cfm)	0.6 (0.4)	1.2 (0.7)	2.0 (1.2)
Ultimate pressure	mbar (Torr)	≤ 8 (≤ 6)		
Max. exhaust back pressure (absolute)	mbar (Torr)	2000 (1500)		
Pump heads		2		
Connection				
Inlet (suction side)	DN	Hose nozzle ID 10	Hose nozzle ID 10	Hose nozzle ID 10
Exhaust (delivery side)	DN	Hose nozzle ID 10	Hose nozzle ID 10	Hose nozzle ID 10
Thread (suction and delivery side)	G	G 1/8"	G 1/4"	G 1/4"
Noise level acc. to DIN 45 635 Part 13, approx.	dB(A)	47	50	52
Permissible gas admission temperature, max.	°C (°F)	+5 to +40 (+41 to +104)		
Permissible ambient temperature, max.	°C (°F)	+5 to +40 (+41 to +104)		
Voltage / nominal frequency (1-ph. motor)				
Schuko plug	V / Hz	230 ± 10% / 50		
NEMA plug	V / Hz	115 ± 10% / 60		
NEMA plug	V / Hz	100 ± 10% / 50/60		
Protective class	IP	44		
Motor power ¹⁾	W	90	120	245
Current consumption ¹⁾	A	0,6	0,7	1,8
Motor speed				
50 Hz	min ⁻¹	1500		
60 Hz	min ⁻¹	1800		
Dimensions (W ¹⁾ x H ¹⁾ x D), approx	mm (in.)	281 x 140 x 187 (11.06 x 5.51 x 7.36)	312 x 154 x 207 (12.28 x 6.06 x 8.15)	341 x 166 x 226 (13.43 x 6.54 x 8.9)
Weight, approx.	kg (lbs)	6.9 (15.2)	9.3 (20.5)	12.6 (27.8)
Material				
Pump head		PTFE (Teflon)		
Structured diaphragm		PTFE coated		
Valves		FFPM (Kalrez)		
Nozzles		PVDF (Solef)		

Ordering Information
DIVAC

	0.6 L	1.2 L	2.2 L
	Part No.	Part No.	Part No.
Diaphragm vacuum pump 230 V, 50 Hz, with 2.3 m (8 ft) power cord and Schuko plug	135 00	135 06	135 12
Diaphragm vacuum pump 100 V, 50/60 Hz, with 2.3 m (8 ft) power cord and NEMA plug	135 02	135 08	135 14
Diaphragm vacuum pump 115 V, 60 Hz, with 2.3 m (8 ft) power cord and NEMA plug	-	-	135 15
Spare parts kit consisting of 2 diaphragms, 4 gasket rings, 4 valve plates	EK135 23	EK135 24	EK135 25
Hose nozzle kit consisting of 2 hose nipples, piping	-	200 650 06	200 650 07

¹⁾ For 230 V, 50 Hz version