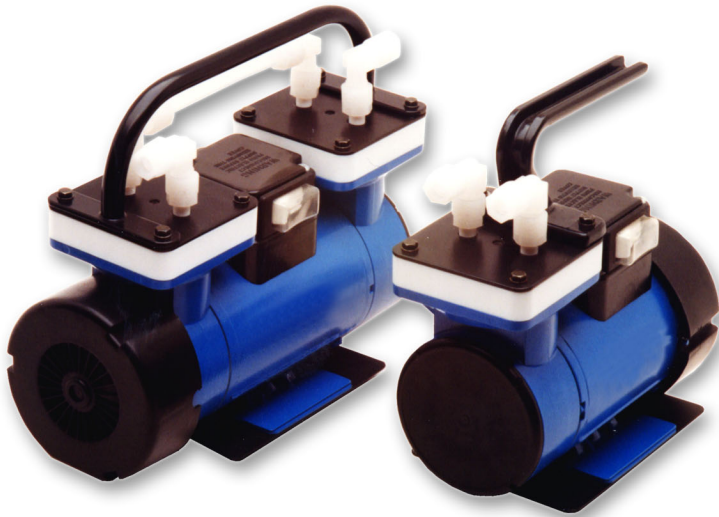


Oil-Free PTFE Diaphragm Pump

B85T



Max Flow	38 l/min
Max Vacuum	8.0 mbar abs
Max Pressure	1.0 bar

Contamination free pumping

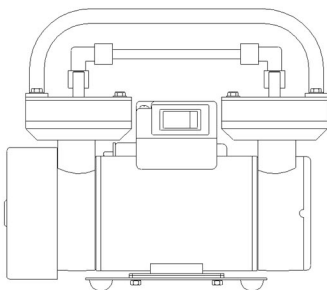
The B85T vacuum pump/compressor is designed for use with corrosive gases and vapours. The oil free design of the pump both eliminates the risk of process contamination and the difficulty in disposing of waste lubricants. Suitable for continuous duty the B85T is an economical and environmentally friendly alternative to a water jet pump.

Fully corrosion resistant

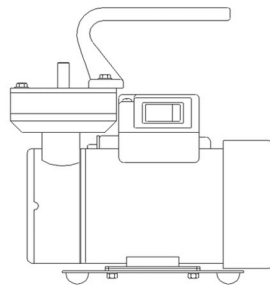
The innovative construction materials ensure that the B85T is fully chemical resistant to virtually all gases and solvent vapours. PTFE is used for all wetted components, being one of the most chemically inert materials available

Adaptability and long life

With over 3000 hours between diaphragm changes the B85T can claim the longest service life in its class. Proven diaphragm technology and advanced valve design give an outstanding 8mbar (abs) ultimate vacuum, ideal for the most demanding applications. Performance of the B85T can be customised to suit individual requirements.

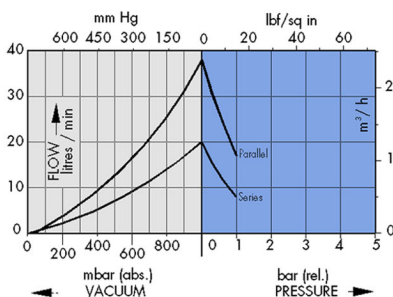


B85T double ended pump
portable model
heads can be connected in:
parallel - for maximum flow
series - for maximum vacuum

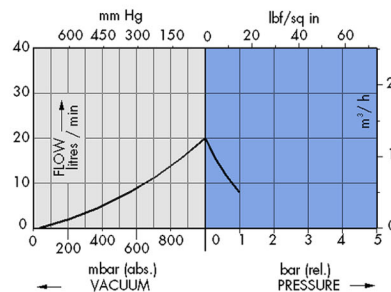


B85T single ended pump
portable model

B85T DE



B85T SE



Exceptional laboratory pump

Designed for use in Universities or Research Laboratories the B85T is quiet running and conforms to the IEC 1010 electrical safety standard. For ease of transferring the pump between different work benches the B85T is lightweight and incorporates an integral carrying handle.

Application ideas

Application ideas include laboratory bench top use for filtration, rotary evaporation and gel drying.



Technical Specifications

B85T

Motor Type:

IP44 Permanent Capacitor with shielded ball race bearings throughout, enclosed fan. 1400 RPM @ 50Hz
 Thermal Protection 120°C
 Maximum ambient temperature 40°C

model no.	110/115V 50/60Hz			230V 50Hz		
	operating current	max. load	fuse rating	operating current	max. load	fuse rating
B85T SEP	1.0A	1.2A	2.0A	0.4A	0.6A	2.0A
B85T DEP	1.25A	1.8A	3.0A	0.5A	0.8A	2.0A

Performance:

model no.	max. free flow l/min	max. vacuum mbar (abs)	max. pressure bar
B85T SEP	20.0	60.0	1.0*
B85T DEP series connected	20.0	8.0	1.0*
B85T DEP parallel connected	38.0	60.0	1.0*

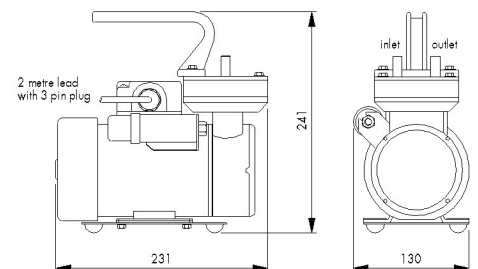
* recommended maximum working pressure

Connectors:

Vertical plain 10mm OD PTFE
 Supplied with PVDF compression elbow connectors.

B85T SEP 5.5kg

dimensions: mm

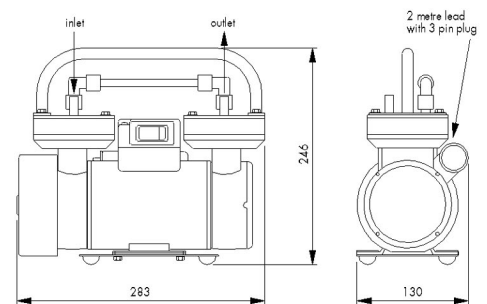


Pump Materials:

Pump components are specified to give maximum corrosion resistance.

component	standard
Head	PTFE
Diaphragm/Valves	PTFE
Connectors	PTFE

B85T DEP 6.5kg



distributed by:

Please note that it is important that you ensure the motor specification stated and the range of materials offered in the pump are compatible with the performance, environmental limitations and chemical resistance of the application.

For further information or details of our extensive range of diaphragm pumps, contact our technical sales office who will be pleased to help you select the most suitable pump for your application.

S30-224/2