



Oil-Free

Diaphragm Pump

Heated Head model



HH Series

Max Flow
32 l/min
Max Vacuum
80 mbar abs
Max Pressure
2.5 bar

High temperature gas sampling

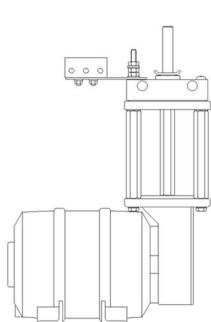
Based on our Capex L2 and B85 mainstream products the heated head models provide first class performance and reliability in applications where the sample gas must be heated or maintained above dewpoint temperature. High quality tubular heaters are fitted as standard in the stainless steel pump head self regulating to 180°C. For specific temperature applications an optional temperature controller can be added.

High performance pumping

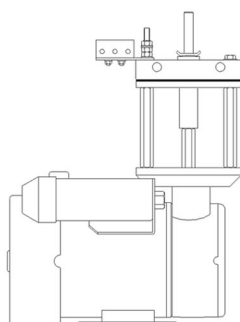
With free flow up to 33 l/min, both models are available with customised performance to suit individual needs. Proven reliability in continuous applications offers total peace of mind. The diaphragm operating principle ensures contamination free pumping guaranteeing sample purity.

Double headed option

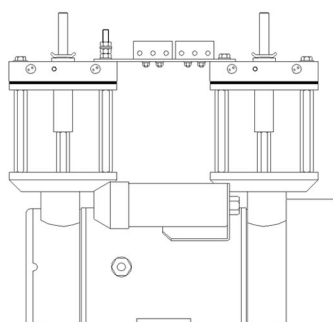
The B85HH is available as an optional double head model. By connecting the heads together, increased performance can be achieved or the two heads can be used independently for separate sampling tasks.



Capex L2 SEHH
single ended pump

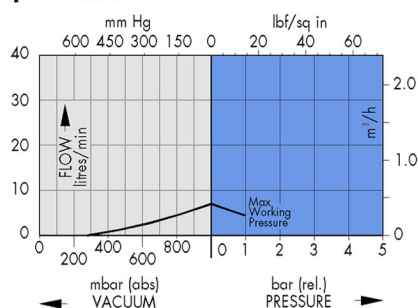


B85 SEHH
single ended pump

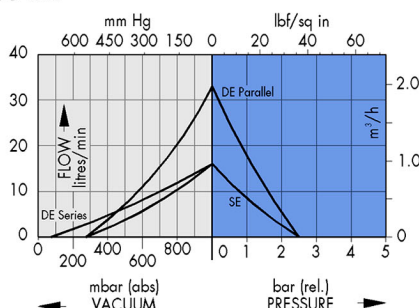


B85 DEHH double ended pump
The two heads can be connected in:-
Parallel, for maximum flow
Series, for maximum vacuum performance
or as two separate heads as supplied

Capex L2HH



B85 HH



Corrosion resistant

With all wetted parts constructed in either PTFE or stainless steel, the HH series will provide resistance to a wide range of corrosive gases and vapours.

Application ideas

Application ideas include sampling above dewpoint, continuous emission monitoring (CEM), catalyst research and process gas analysis.



HH Series

Motor Type:

Capex L2HH Shaded pole
B85 HH Permanent capacitor auto resist 140°C, thermal cutout.
Heaters 125W, two in each head

model no.	110/115V 50/60Hz			230V 50Hz		
	operating current	max. load	fuse rating	operating current	max. load	fuse rating
Capex L2HH	0.5A	0.6A	2.0A	0.22A	0.3A	1.0A
B85 SEHH	0.75A	1.5A	2.0A	0.4A	0.5A	1.0A
B85 DEHH	1.5A	1.8A	3.0A	0.5A	0.7A	1.0A

Connectors:

Plain, vertical, stainless steel 8.0mm OD

Performance:

model no.	max. free flow l/min	max. vacuum mbar (abs)	max. pressure bar
Capex L2HH	7.0	280	1.0*
B85 SEHH	17.0	280	2.5
B85 DEHH	23.0	280	2.5

* recommended maximum working pressure

Pump Materials:

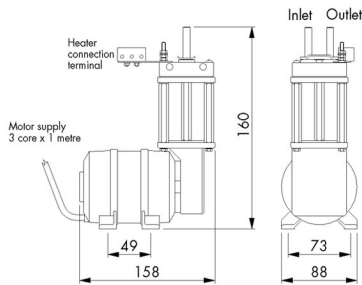
With the materials for the head in stainless steel and flexibles in PTFE these pumps will handle a wide range of corrosive gases.

component	standard
Head	Stainless Steel
Diaphragm	PTFE
Valves	PTFE
Connectors	Stainless Steel

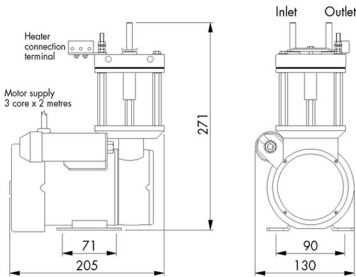
distributed by:

Capex L2HH 3.0kg

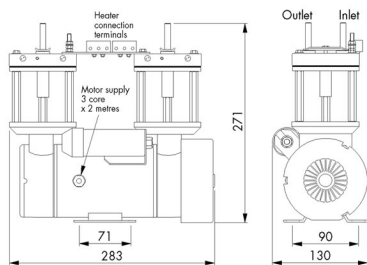
dimensions: mm



B85 SEHH 5.0kg



B85 DEHH 7.0kg



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. S30-209/3