

OIL-FREE

ROTARY DIAPHRAGM PUMPS

Flow	Vacuum
1.5 l/min	0.133 mbar

RD5 HV Series

Patent Pending

ROTARY DIAPHRAGM PUMP

◆ revolutionary pumping principle

An eccentrically mounted bearing on a shaft, rotates within a flexible diaphragm. As the shaft rotates, the bearing flexes the diaphragm, squeezing the air or gas through the pump. These quiet running pumps give exceptional vacuum for their size offering 0.133 mbar.

◆ contamination free pumping of air and gas

This oil free rotary diaphragm pump is of a seal-less design and is suitable for many types of applications, instrument calibration, leak detection, backing pumps and use within the laboratory.

◆ pumps for benchtop use

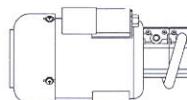
When housed in a splash proof metal case the RD5 HV is suitable for laboratory benchtop use and conforms to the IEC 1010 safety standard. It is supplied with integral carry handle and mains lead with plug.

◆ various motor voltage options

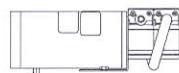
The RD5 is available for either an AC or DC power supply

AC version, for 230V 50Hz or 110V 50/60Hz.

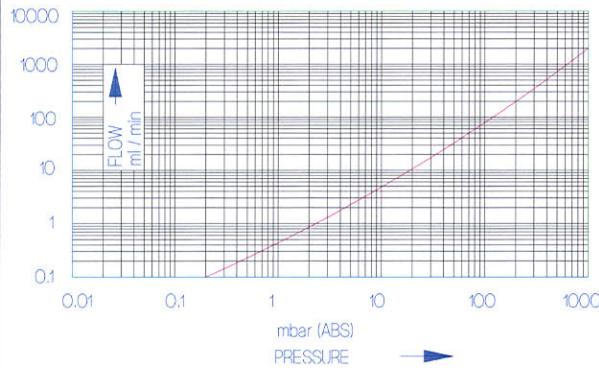
DC version, for 12V or 24V.



RD5D double pump (AC & DC version)
OEM models for building into equipment. Twin pump heads are supplied connected in series to produce the best vacuum.



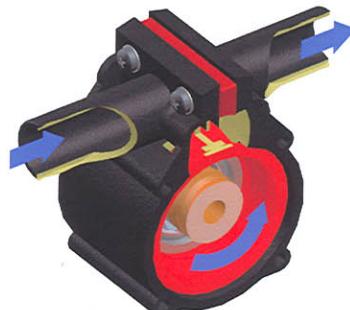
RD5 HV



Our sales engineers are at your service to assist in selecting the most appropriate model from our extensive range of pumps and

Our state of the art, research and development department is able to design new pumps from concept to production to meet client requirements.

RD5 PUMPING PRINCIPLE



We have manufactured pumps in large or small quantities for over 40 years. Every pump is tested before it leaves our factory and our extensive in-house facilities are fully accredited to ISO 9001.



Charles Austen
Pumps Ltd



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TECHNICAL DATA

RD5 HV Series

Motors: Fitted with shielded ball races throughout.
IP44. Thermal Protection - AC version only.

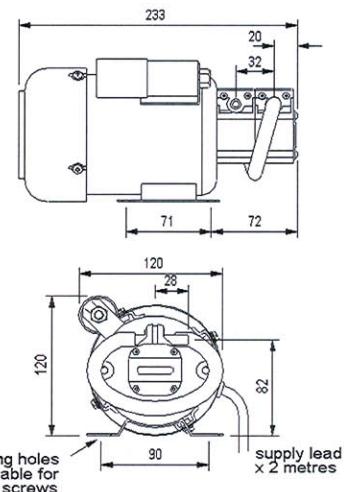
model	voltage frequency	operating current	max. load	fuse rating	motor type	speed
RD5 HV	110V / 50-60Hz	0.9A	1.0A	3A	permanent capacitor	1400
	230V / 50Hz	0.45A	0.50A	2A	permanent capacitor	1400
	12V / DC	3.0A	3.5A	7A	DC brush	1400
	24V / DC	1.5A	1.8A	5A	DC brush	1400

Connectors:

Integral, plain horizontal 8 mm OD
Suitable for standard push-fit connectors

RD5S AC version

3.3 kg

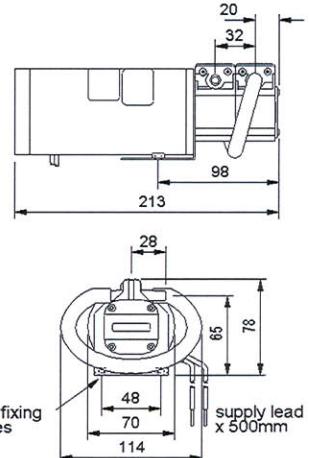


Performance:

model no.	Max. free flow l/min	max. vacuum mbar
RD5S	1.5	0.133

RD5S DC version

1.5 kg



dimensions: mm

PUMP MATERIALS

Component	Standard	Options
Body	GF Noryl	GF Polypropylene
Diaphragm	Santoprene	n/a

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 requirements 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.

S30-229

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