

## DIAPHRAGM PUMPS

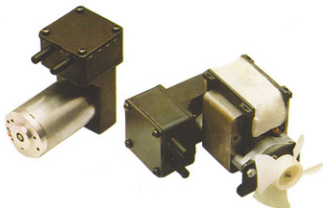
Flow	Vacuum	Pressure
5 l/min	610 mm Hg	2 bar

## D5 Series

## VACUUM PUMP/COMPRESSOR

- contamination free pumping of air and gas**  
 D5 pumps provide a clean oil-free vacuum and pressure source in a small, very quiet package. Typical applications include medical equipment, vehicle emission analysers and portable gas samplers.
- flexibility and reliability**  
 These small compact pumps are designed for OEM applications where light weight and low operating current are essential requirements. The use of moulding technology to create an integral silencer and an enclosed crankcase makes this pump extremely quiet in operation. When users' needs dictate, standard performance can be increased or decreased by the use of optional components.
- corrosion resistant options**  
 Models can be modified with an optional range of materials to ensure resistance to a range of corrosive gases.
- various motor voltage options**  
 The D5 is available for either an AC or DC power supply.

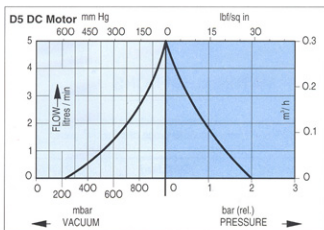
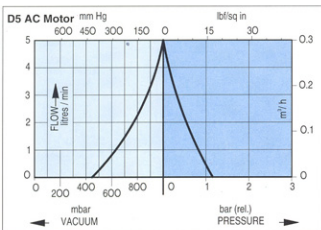
AC version, for 230V 50Hz or 110/115V 50/60Hz.  
 DC version, for 12V or 24V.



**D5 SE single ended pump**  
 Compact pump for AC power supply.



**D5 SE single ended pump**  
 Compact pump for DC power supply.



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

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

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**

Royston Road, Byfleet, West Byfleet, Surrey KT14 7NY. Tel: 01932 355277, Fax: 01932 351285



CERT No. FN 11848  
 BS EN ISO 9001

# TECHNICAL DATA D5 Series

**Motor Type:** AC Skeleton frame, shaded pole with shielded ball races throughout. 2800 RPM  
Thermal Protection 120°C.  
DC Permanent magnet.

model no.	110/115V 50/60Hz			230V 50Hz			12V DC		
	operating current	max. load	fuse rating	operating current	max. load	fuse rating	operating current	max. load	fuse rating
D5	0.4A	0.6A	0.75A	0.25A	0.3A	0.5A	0.7A	0.85A	2.0A

## Connectors:

Integral, plain 6.0mm OD

## Optional filters/silencers:

Filter: foam, 100 micron pore size fits onto inlet connector



## Performance:

model no.	max. free flow l/min	max. vacuum mm Hg	max. pressure bar	sound level at 1mtr dB (A)
D5 (DC supply)	5.0	620	2.0	<55
D5 (AC supply)	5.0	420	1.1	<55

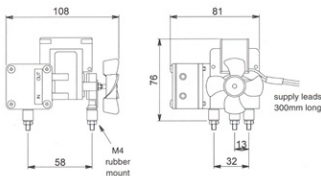
## PUMP MATERIAL OPTIONS

With the option of appropriate materials for the head and flexibles, the D5 pump will handle a wide range of corrosive gases.

Component	Standard	Options
Head & Connectors	Nylon	Polypropylene, PTFE
Diaphragm/Valves	EPDM/Nitrile	Viton®, PTFE
Plates, Screws & Valve Pins	stainless steel	n/a

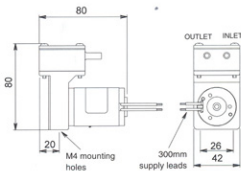
## D5 (AC)

0.7kg



## D5 (DC)

0.3 kg



dimensions: mm

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.



**CHARLES AUSTEN PUMPS LTD**

Royston Road, Byfleet, West Byfleet, Surrey KT14 7NY. Tel: 01932 355277, Fax: 01932 351285

The Company reserves the right to alter the specification of the products shown without prior notice.

S30-201/2

