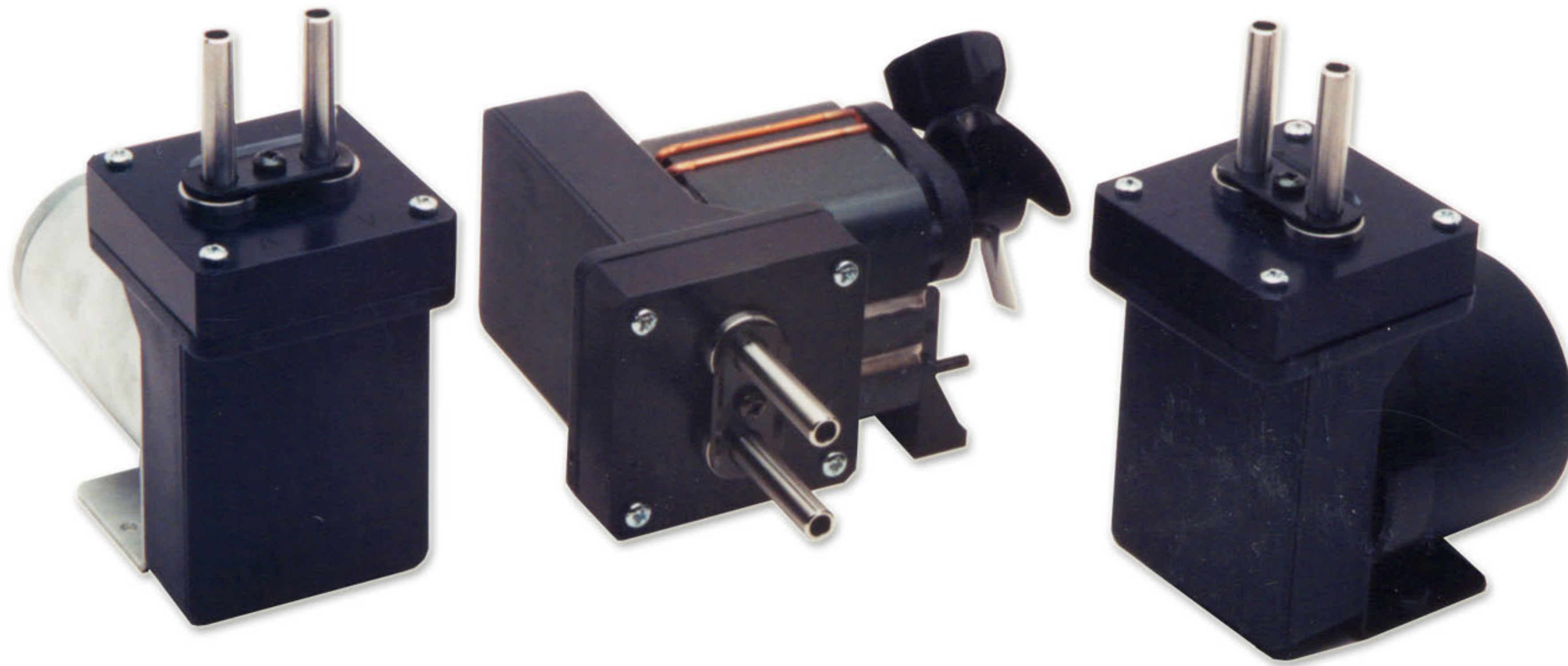


Oil-Free

Rocking Piston Pump

RP12



Max Flow
12 l/min
Max Vacuum
200 mbar abs
Max Pressure
6.0 bar

Oil free, low maintenance pumping

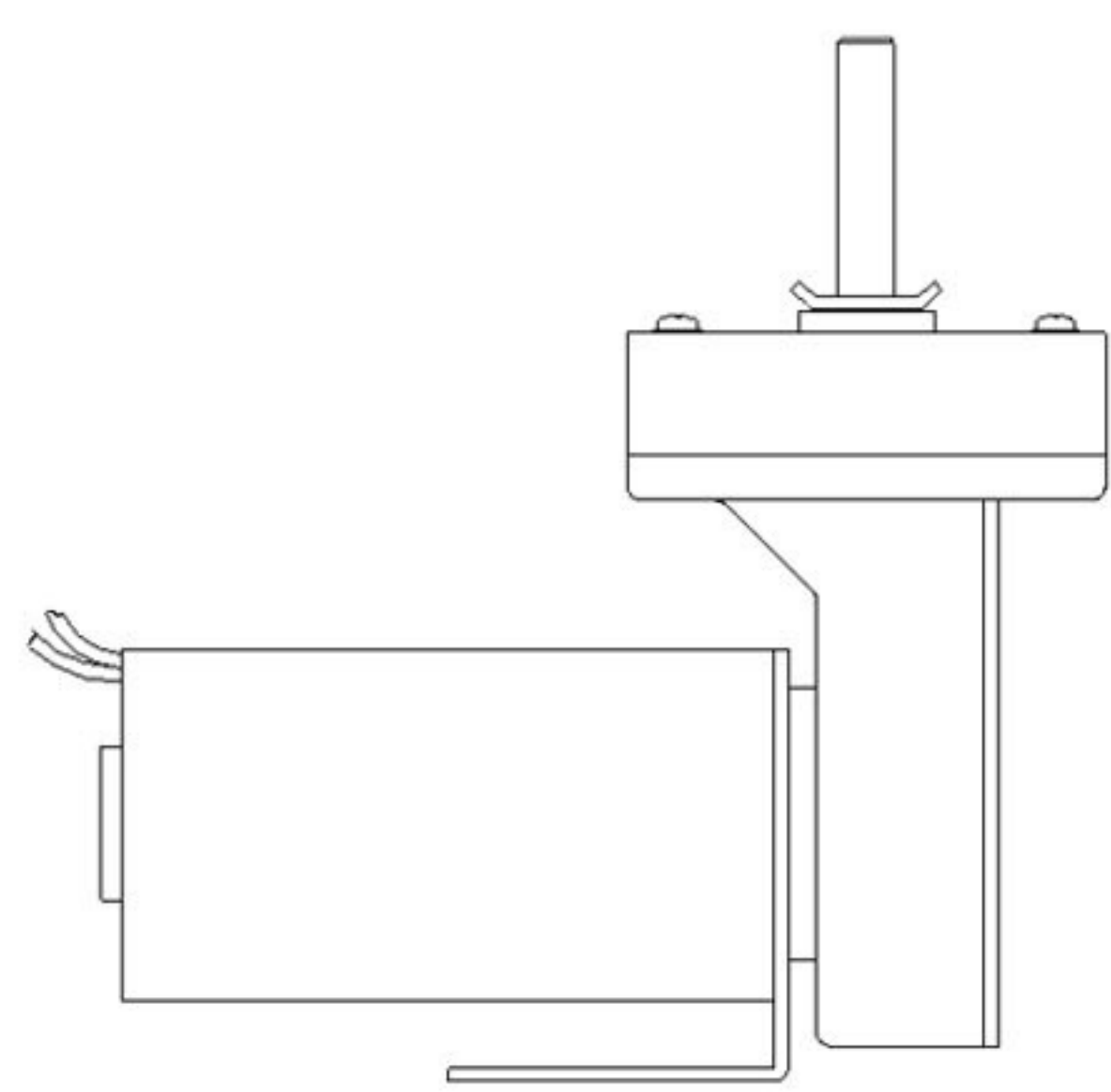
Utilising state of the art rocking piston technology, the RP12 oil free compressor provides a source of clean, compressed air at up to 6 bar without the need for oil mist filters or regular maintenance.

Adaptability and long life

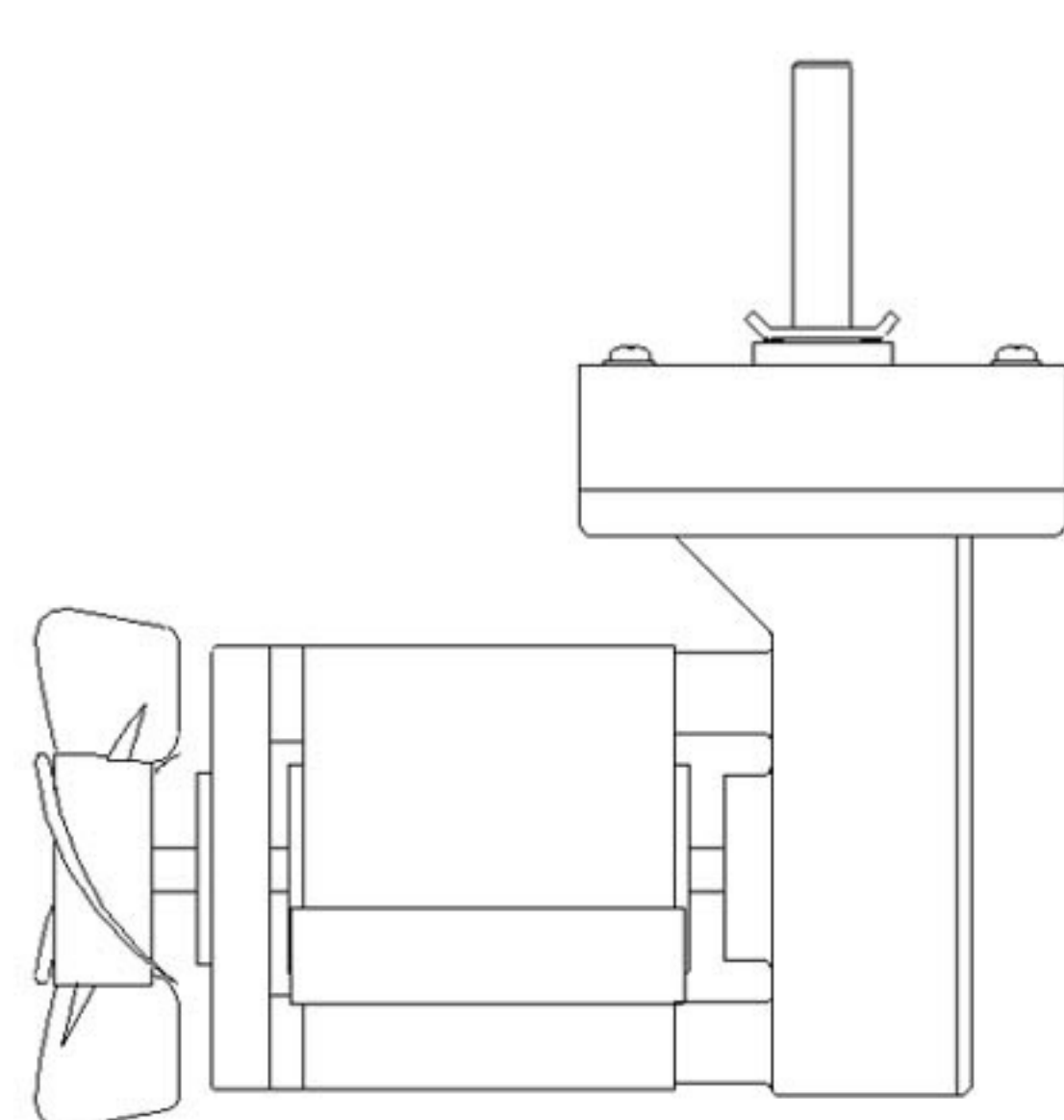
Designed for continuous duty the RP12 incorporates a long life PTFE piston seal capable of more than 10,000 hrs running time under pressure loads of up to 6 bar. A wide variety of motor types and voltages are available including a brushless DC unit featuring on-board electronics, reduced size, up to 20,000 hrs life, low electrical noise and optional motor speed control

Quiet, compact and lightweight

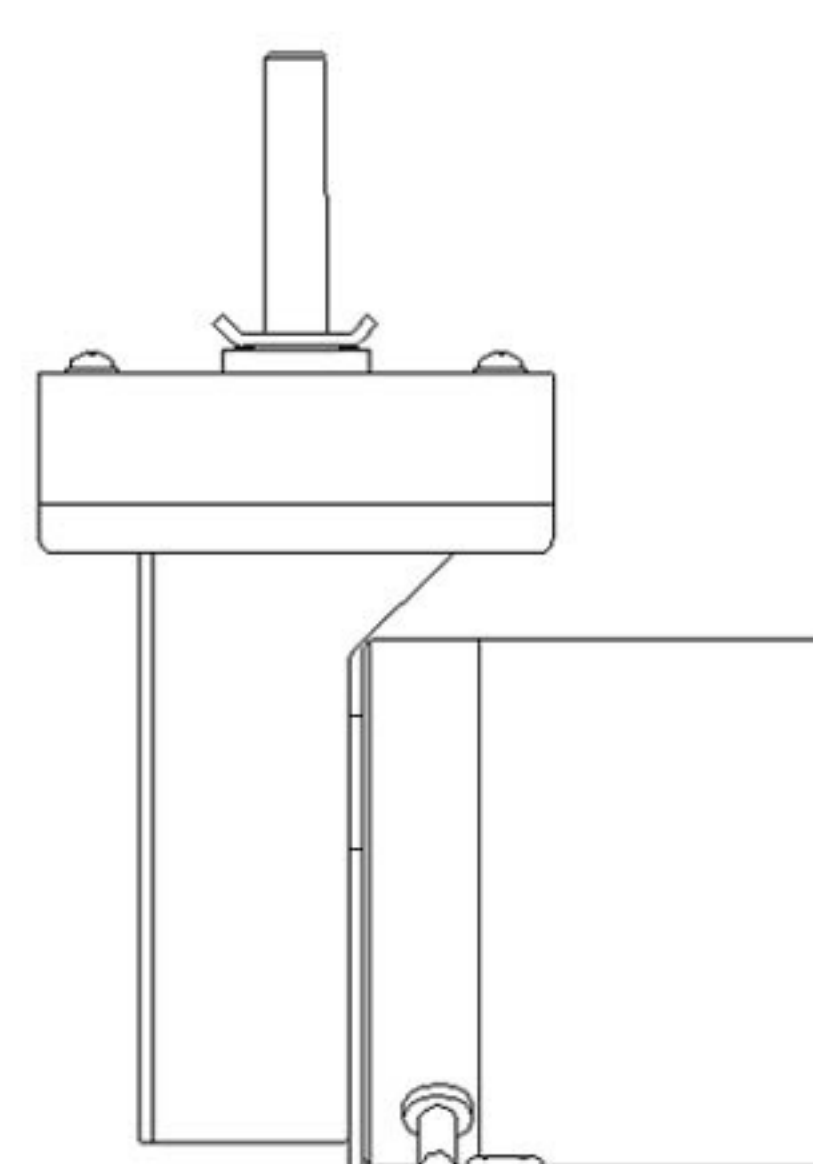
Designed for applications where size and weight need to be minimised, the RP12 features lightweight components, slim-line design and alternative head orientations to suit both portable and compact fixed installations



RP12 DC
DC motor option

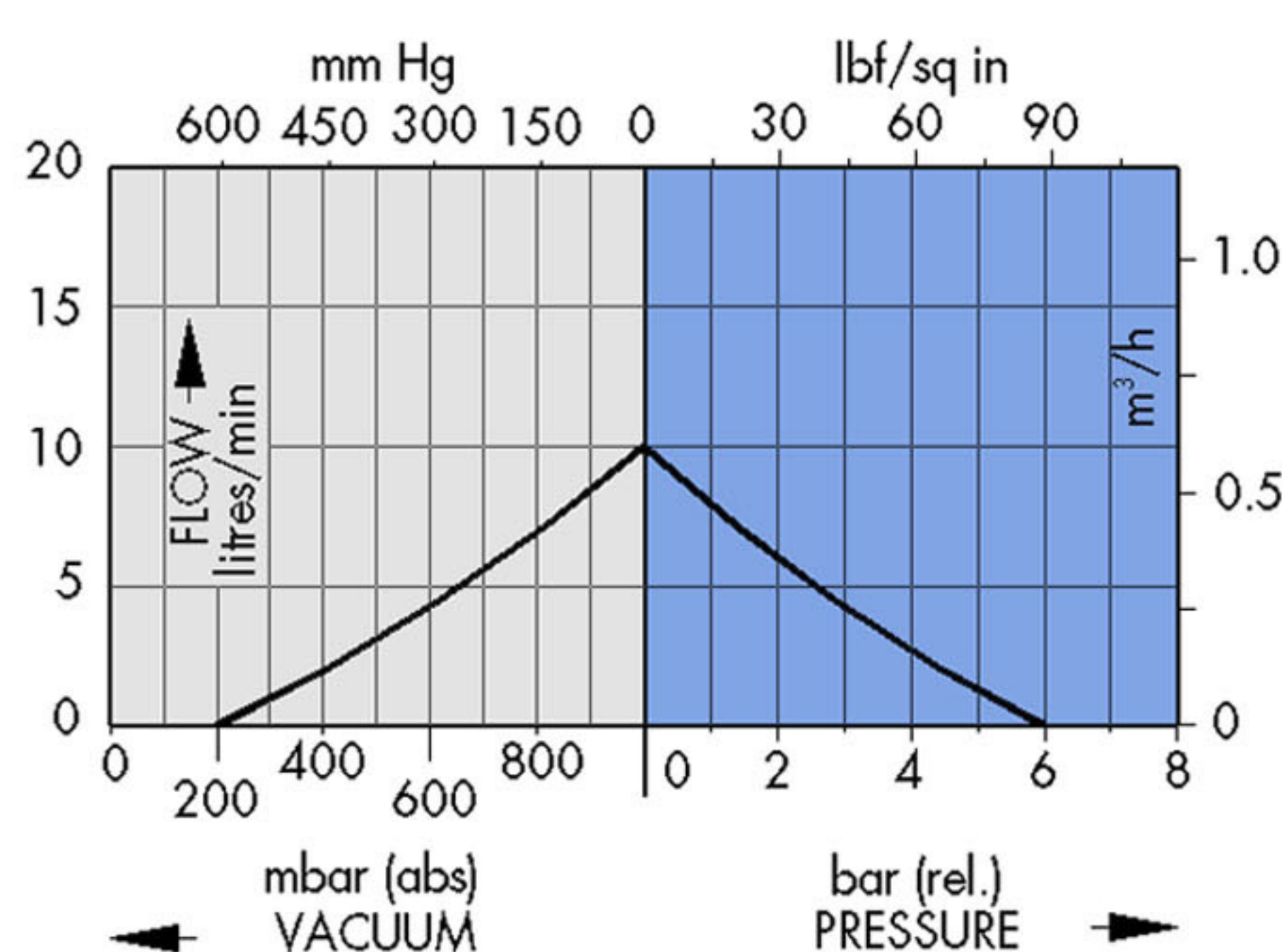


RP12 AC
AC motor option

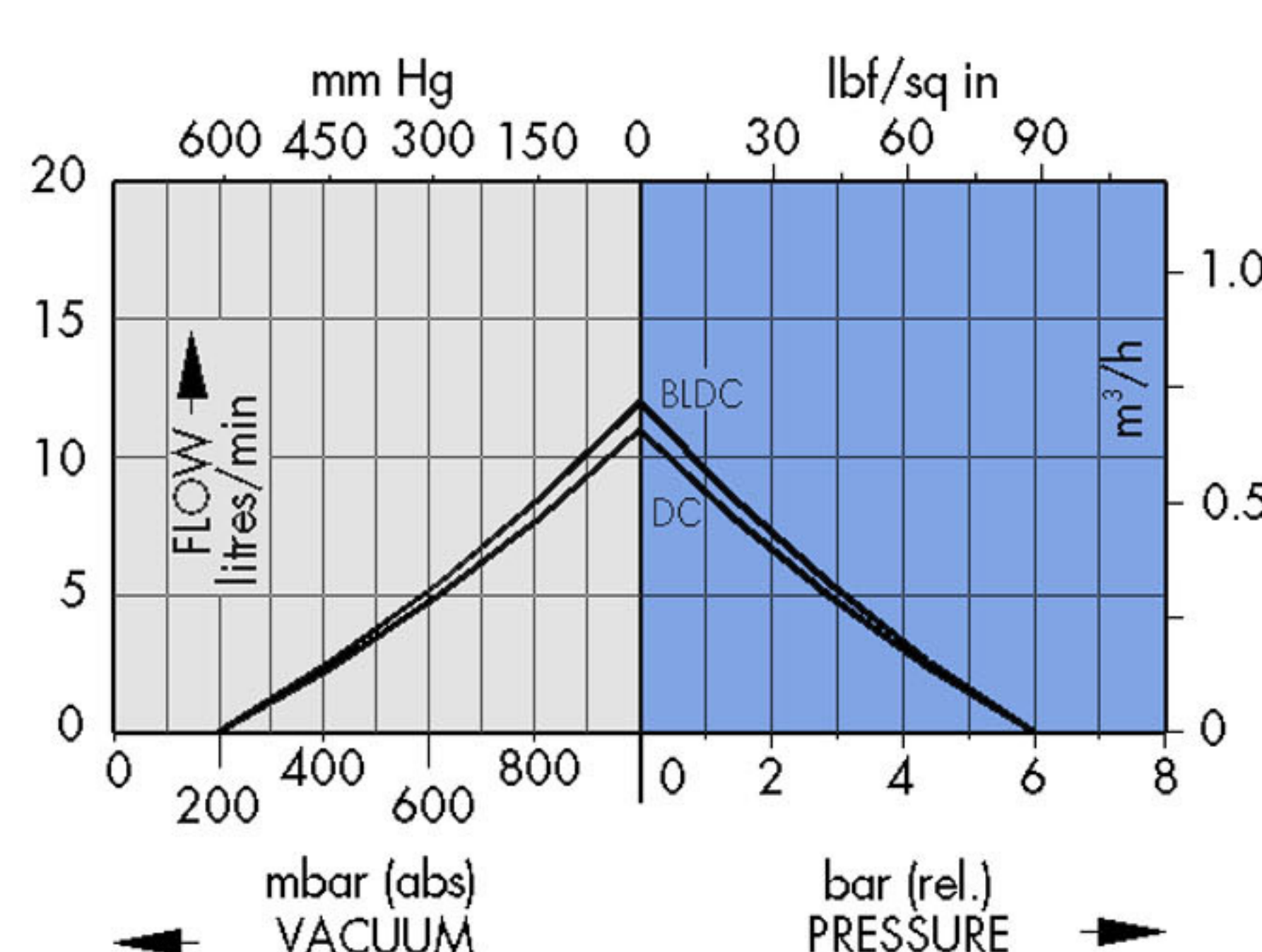


RP12 BLDC
brushless motor option

RP12 AC



RP12 DC



Performance and reliability

Sustainable high performance is achieved by utilising robust materials, optimised surface finish on internal components and high temperature tolerant ball race bearings. The RP12 represents class leading performance with reliability designed in.

Application ideas

Application ideas include inkjet printing, instrument calibration, pneumatic valve operation, medical cuff inflation and humidification systems.

Technical Specifications

RP12

Motor Type:

AC version: Skeleton frame, shaded pole with cooling fan and shielded ball races throughout. 2800 RPM. Thermal Protection 120°C.
DC version: Permanent Magnet 2800 RPM.
BLDC version: Brushless DC motor with integral electronics with speed control.

voltage	RP12		
	operating current	max. load	fuse rating
RP12 230V 50Hz	0.5A	0.6A	1.0A
RP12 110V 50/60Hz	1.1A	1.4A	2.0A
RP12 12V DC	2.0A	3.0A	4.0A
RP12 24V DC	1.0A	1.5A	2.0A
RP12 24V BLDC	0.7A	1.4A	2.0A

Performance:

model no.	max. free flow l/min	max. vacuum mbar (abs)	max. pressure bar
RP12 AC	10.0	200	6.0
RP12 DC	11.0	200	6.0
RP12 BLDC	12.0	200	6.0

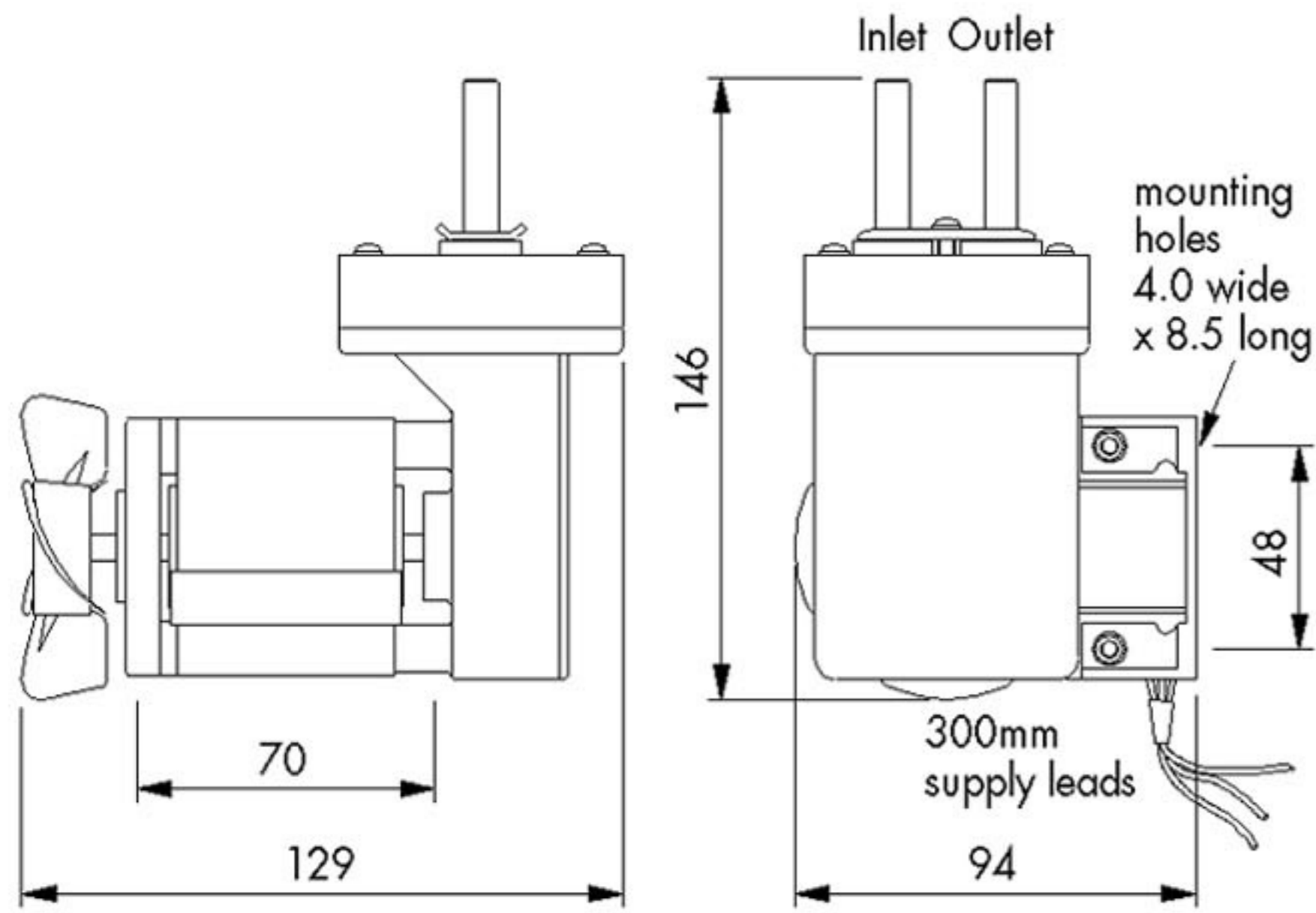
Pump Materials:

component	standard
Head/Cylinder	Hard anodised aluminium
Piston Seal	PTFE
Connectors	Stainless Steel
'O' Rings, Valves	Viton

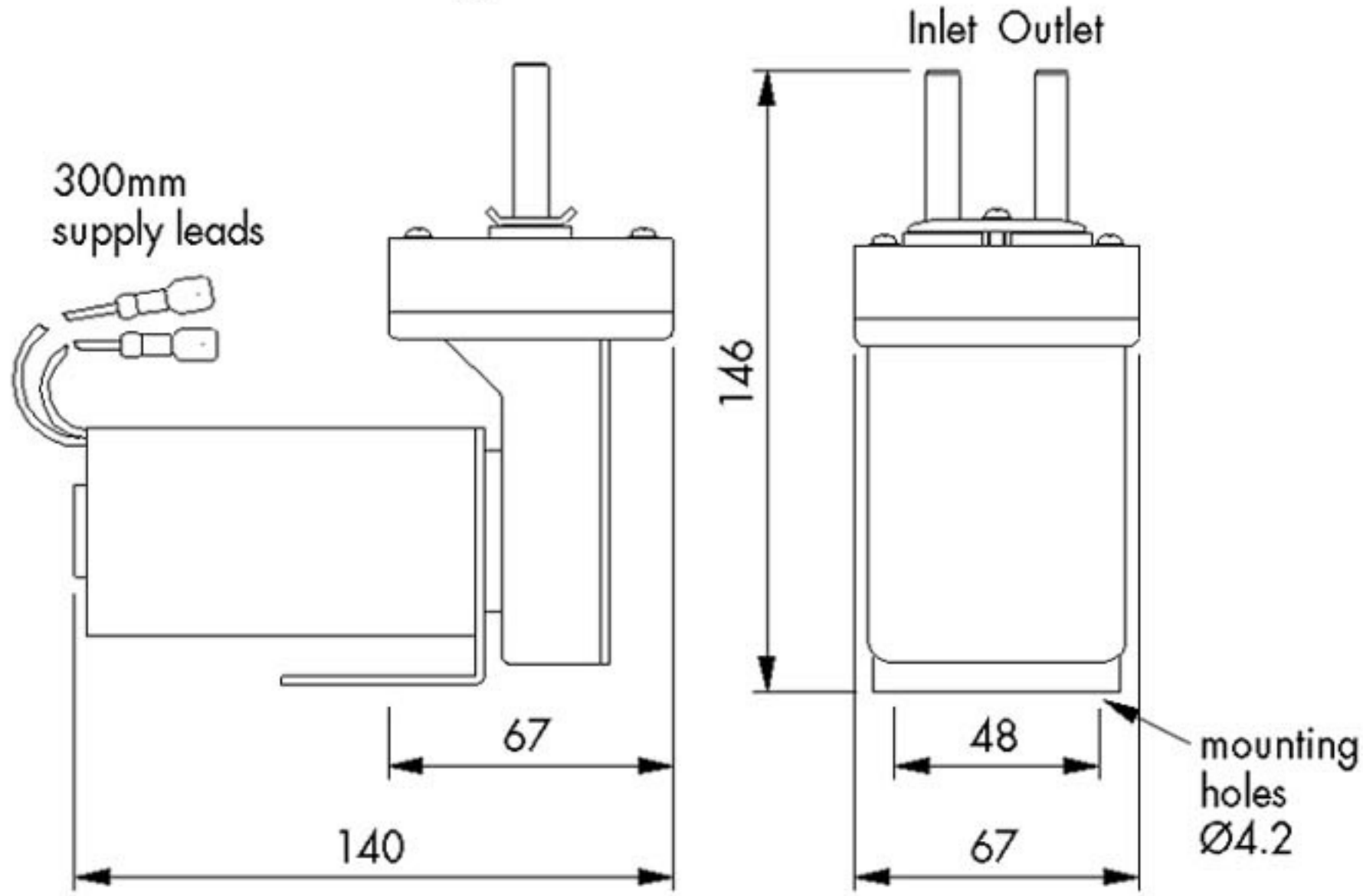
Connectors:

Plain, vertical, stainless steel 8.0mm OD
Optional: plain, vertical, stainless steel 6.0, 6.4mm OD

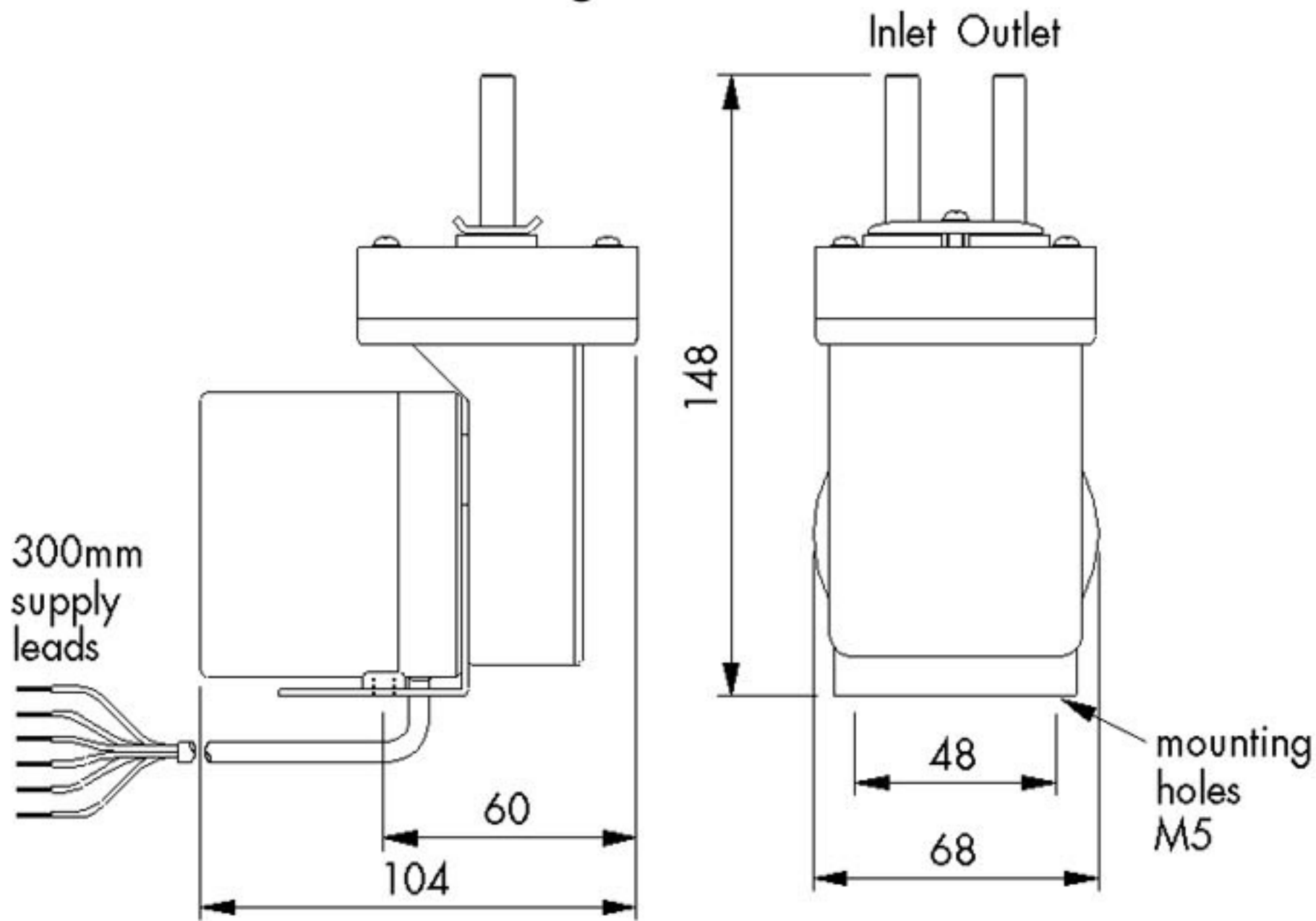
RP12 AC 1.75kg dimensions: mm



RP12 DC 1.1kg



RP12 BLDC 1.0kg



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.

distributed by:

