

PRINCIPAL APPLICATIONS

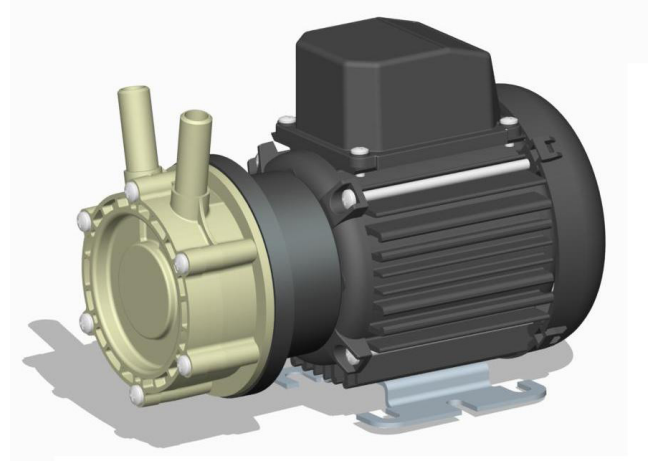
Designed for continuous recirculation of carbonated water, aggressive chemicals, chilled water, pure or precious liquids in high pressure systems.

WETTED MATERIALS

- PPS Pump Body
- PPS Spindle Housing
- LCP Impeller
- EPDM O rings

FEATURES

- Manufactured in chemically resistant thermo-plastics
- Operating at an optimum flow rate of 5 litres/minute
- Magnetic coupling provides an energy efficient thermal shield, minimising heat transfer to pumped fluid
- Temperature stability and product purity ensured
- Leak-free continuous operation
- IPX5 motor enclosure
- Low condensation
- Zero maintenance
- Long life



OPTIONS

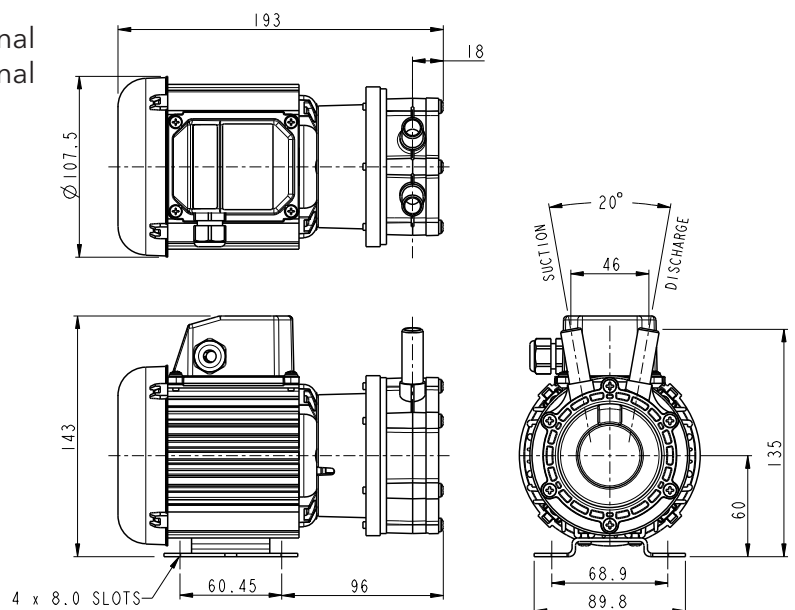
HPR10/15

230V 1Ph 50/60 Hz 1/2" standard, 15mm optional
110V 1Ph 50/60Hz 1/2" standard, 15mm optional

Port Details

DIMENSIONS

Drawings not to scale
Dimensions in millimetres

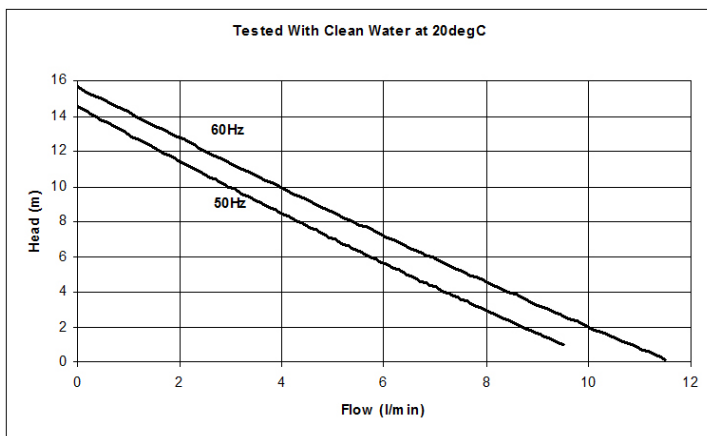


SPECIFICATION

Model	Overall height (mm)	Overall length (mm)	Overall width (mm)	Weight (kg)	Max body pressure (bar)	Run-out flow rate (l/min)	Closed valve head (m)	Temp range (degC)	*Max specific gravity	Motor output (watts)
HPR10/15	143	193	107	3.1	6	50 Hz 10.1	50 Hz 14.6	-20 to +85	1.0	60
						60 Hz 11.5	60 Hz 15.8			

*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

PERFORMANCE



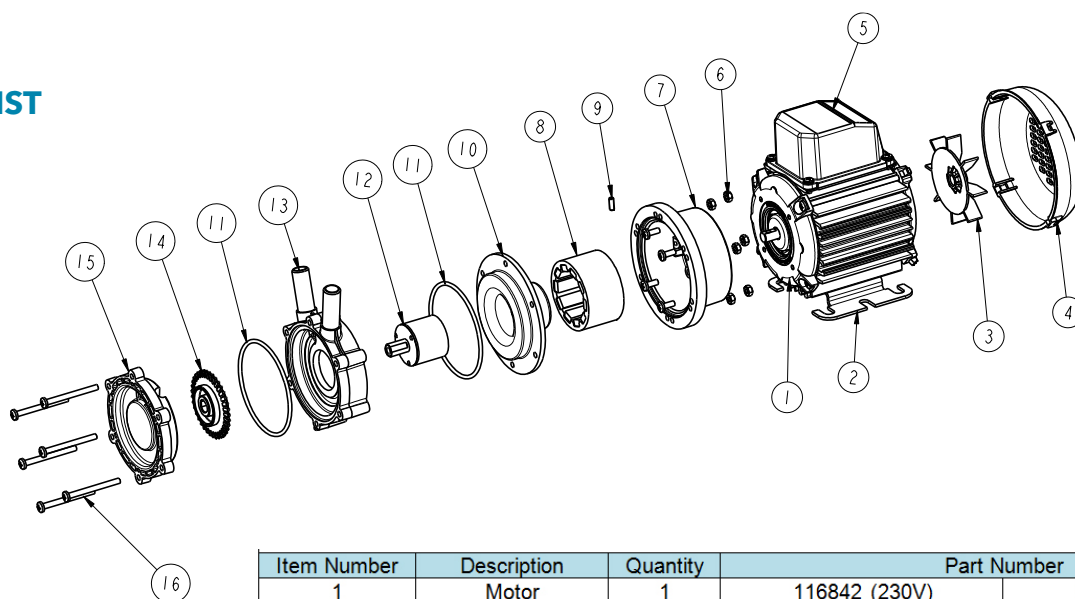
NOTE: These magnetically coupled pumps are designed for use with clean fluids.

Solids will cause jamming. Abrasives will reduce pump life and invalidate the warranty.

HPR pumps are not self priming and are not designed to run dry.

The company reserves the right to change specifications.

PART LIST



Item Number	Description	Quantity	Part Number	
1	Motor	1	116842 (230V)	116875 (110V)
2	Mounting Foot	1	036330	
3	Fan	1	046033	
4	Fan Cowl	1	036085	
5	Terminal Box	1	036078	
6	Nut	6	032105	
7	Adaptor	1	036324	
8	Drive Magnet	1	006287	
9	Grub Screw	1	001406	
10	Spindle Housing	1	036389	
11	O Ring	2	022845	
12	Driven Magnet	1	033291	
13	Pump Body	1	043316 ½" ports	043318 15mm ports
14	Impeller	1	033286	
15	Front Plate	1	043320	
16	Screw	6	022060	

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Let's Solve Water

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Warranty: All products of the company are sold, and all services of the company are offered subject to the company's warranty and terms of sale, copies of which will be furnished upon request. Details correct at time of printing. We reserve the right to change specifications without prior notice.

Mag Drive Centrifugal

Magnetically Driven Pumps handle products where leak free transfer is a must, where high reliability is paramount and purity of the pumped medium must be maintained. The operation is identical to any centrifugal pump except that the need for the shaft seal is eliminated. This is accomplished by driving the impeller with a magnetic coupling rather than directly with the motor shaft. An excellent pump for chemical transfer applications.

Low Maintenance: Few moving parts mean that wear due to operation is minimal.

No Shaft Seal: Removes the leak path to and leak path from the medium being pumped.

Easy Installation: Compact size for flow rate.



HOW DO THEY WORK?

1. The rotating impeller gives velocity energy to the liquid moving it to the periphery of the volute casing and towards the discharge port.
2. The volute casing discharge arrangement converts velocity energy into static pressure.
3. Centrifugal pumps must be either initially primed or mounted in such a way that liquid is permanently available at the inlet port (eg. submersible pumps).

