Magnet drive rotary vane pump-motor units PMFR series

The PMFR series pump-motor unit represents a significant step forward. Small, light-weighted and based on the patented T2 Coil motor design, the PMFR is electromagnetically driven, with no moving parts in the motor and a completely resin encapsulated coil with IP54 rating.
Thanks to the pump housing in PPS, the PMFR complies with the most stringent regulatory limits in terms of release of substances in the water used for human consumption.
The seal-less design contributes to reduce the power consumption thanks to the lower friction, prevents any potential misalignment between the pump and the motor and significantly reduces the risk of leaks. The ports with quick-disconnect system make the removal of the unit for servicing simple.

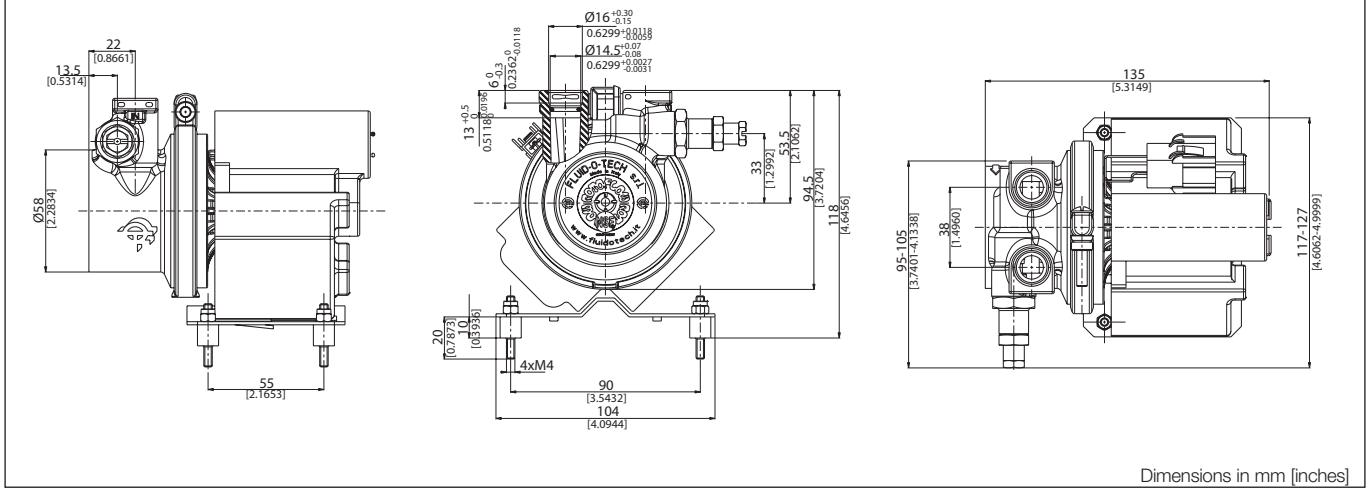


MAIN APPLICATIONS

- Espresso coffee machines
- Beverage dispensing machines
- Cooling systems

TECHNICAL INFORMATION

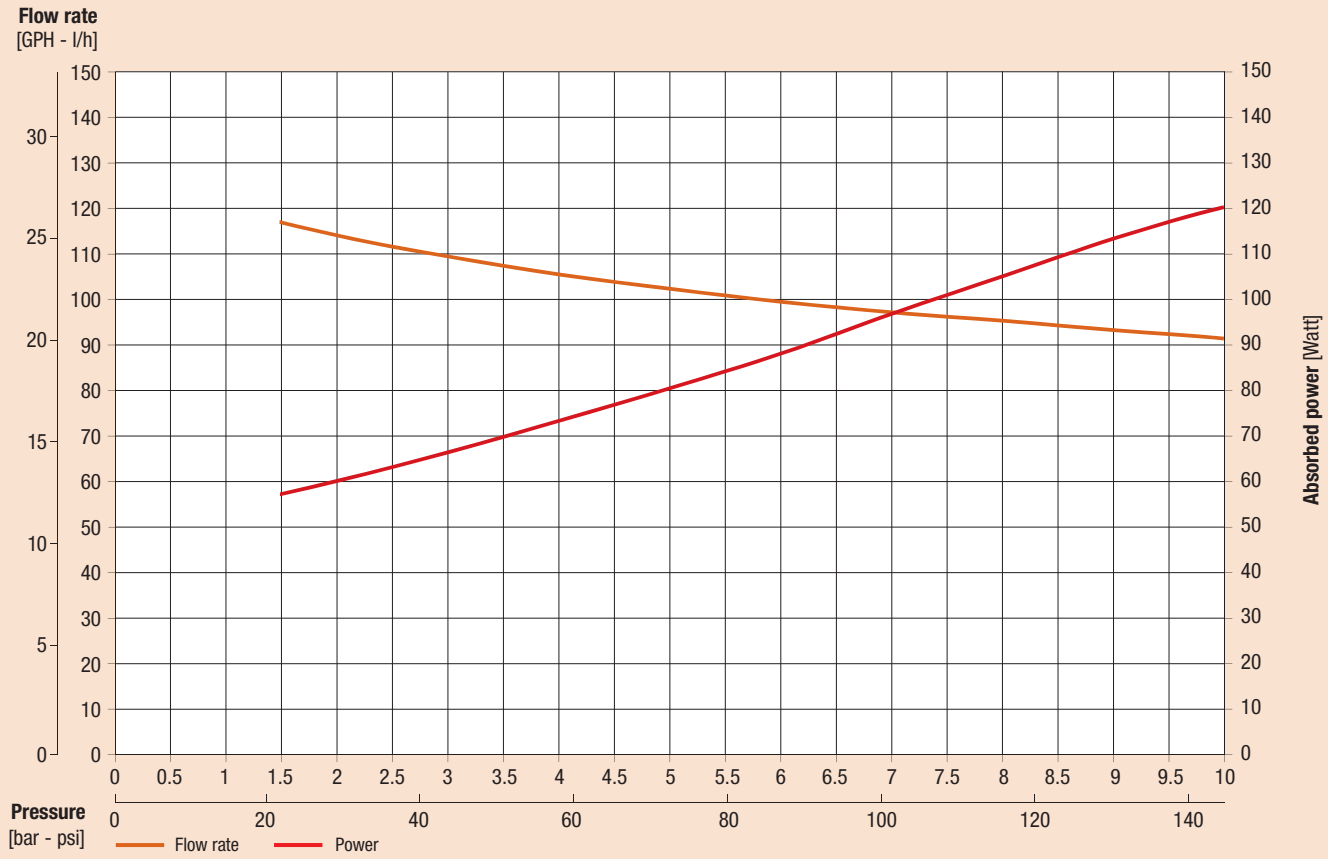
Pump housing material	PPS	Speed	3000 rpm
Pumping chamber	Carbon graphite	Max static pressure	10 bar/145 psi
Ports	Quick connections Øi 14.5	Unit weight	1.9 Kg (4.2 lb)



Dimensions in mm [inches]

MOTOR CHARACTERISTICS

Motor type	Single phase synchronous motor with double insulation	Insulation class	F
Motor power	100 W	Thermal protection interlock	130 °C
Voltage-frequency	230V AC - 50 Hz	Cable type	Multi-pole, insulated
Connector type	Faston 6.3 x 0.8	Capacitor type	Class A 420V



Note: Hydraulic characteristics with water at 20 °C (68 F) and with bypass closed. Use filter before pump inlet not larger than 10 microns.
For applications involving other fluids, high temperatures or unusual processing conditions, please consult the factory or an authorized Fluid-o-Tech distributor.

Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.

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