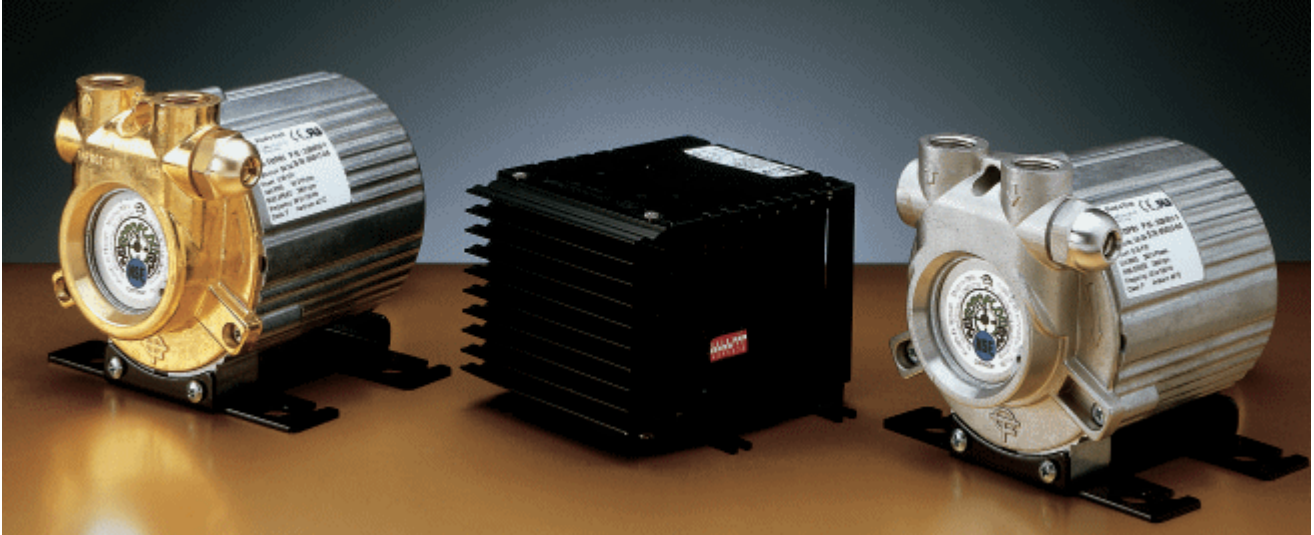


Fluid-o-Tech TMFR series rotary vane pumps



From the Fluid-o-Tech research team a new series of pump-motor units is born, completely innovative in concept and content – an integrated unit where the motor has no moving parts, and the control unit automatically adjusts the pump's work rate to compensate for variations in demand.

The TMFR series features a combination of compact size, superior performance and low energy consumption to provide great versatility in a refined, high-tech design. Where it is critical to minimize space and provide faultless reliability, the TMFR integrated pump-motor unit series is a must.

Main applications

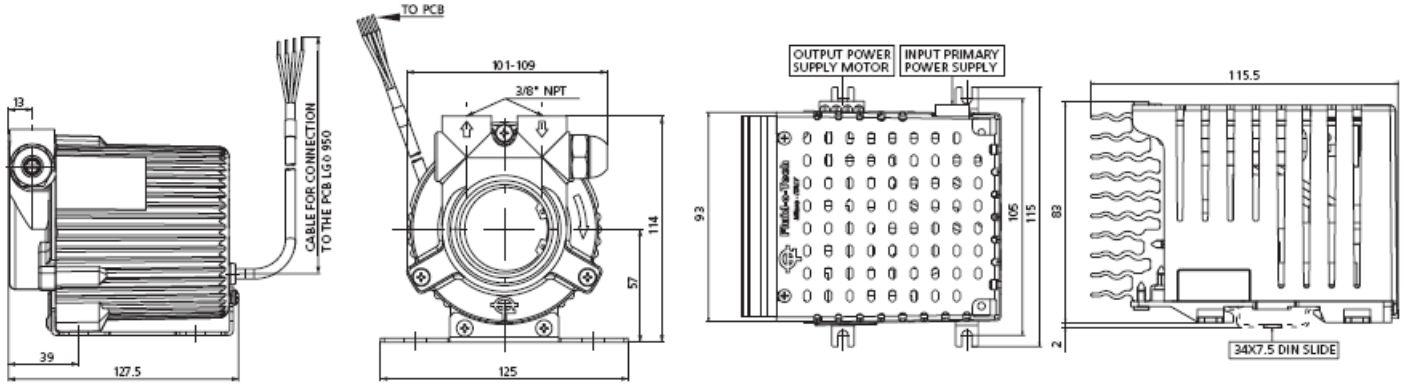
- + Espresso coffee machines
- + Vending machines
- + Post mix
- + Welding
- + Cooling systems
- + Reverse osmosis
- + Solar heating systems
- + Circuit washing
- + Refrigerating gas transfer

Main features

- + Compact size
- + Magnetic drive
- + No wear on the motor
- + 8 selectable speeds
- + Silent unit - 46 dB (A) at 1500 rpm
- + Available in 220 V; 110 V; 100 V 50/60 Hz
- + Control by opto-coupled technology available
- + Continuous duty
- + Low operating temperature

Technical Specification

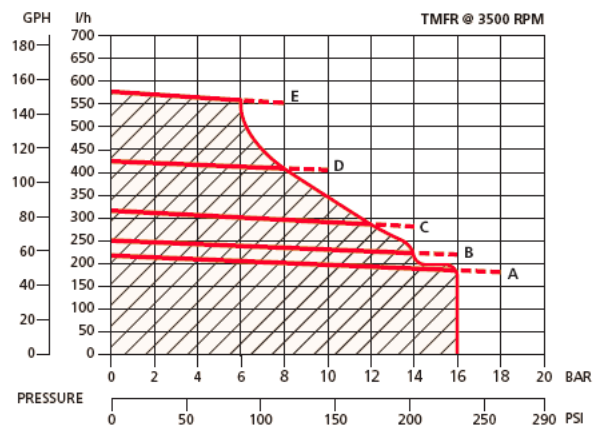
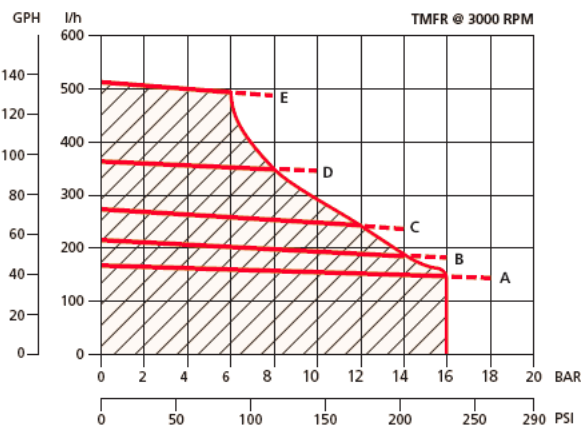
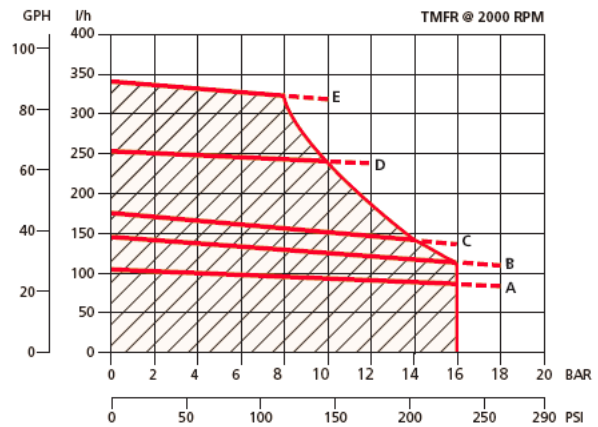
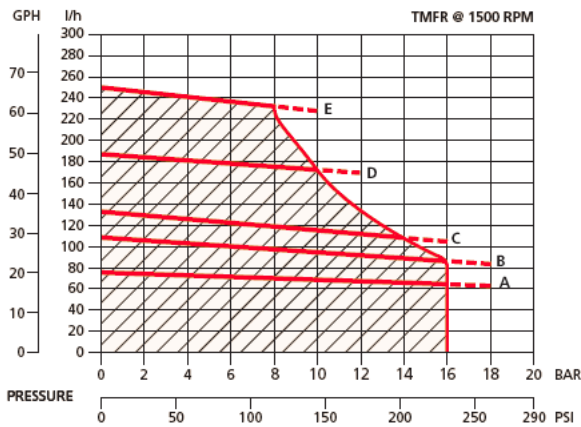
- + Motor housing in aluminum
- + Pump housing in brass or AISI 303
- + Rotor in AISI 303
- + Pumping chamber in graphite
- + 3/8" NPT inlet/outlet ports
- + Voltage: 100v – 110v – 230v AC
- + Standard speeds (rpm): 1000, 1500, 1750, 2000, 2500, 2750, 3000, 3500
- + Absorbed power: 330w max
- + Actual power: 250w max
- + Weight: 3.8kg
- + Protection: IP 20



Performance Data

Model series	05x	07x	10x	15x	20x
Figure	A-A	B-B	C-C	D-D	E-E

The x in the model series number designates the bypass option.



— continuous duty
- - - intermittent duty

Note: Hydraulic performances measured with 20°C water and without bypass. Curves are averages.

For applications involving other fluids, high temperatures, unusual processing conditions or speed higher than 2500 rpm please contact us.