

Fluid-o-Tech TSFR series rotary vane pumps



The TMFR Series and its innovative concept of a completely integrated unit evolves into a larger flow rate unit: the TSFR Series.

Especially designed for those applications where long hours of operation are required, the TSFR is designed to handle up to 1,200 l/h at 4 bar on a continuous duty base. The electromagnetic drive reduces friction and increases efficiency, minimising power consumption and keeping the operating temperature low.

The motor and controller driving the TSFR Series is the same one used in the TMFR series. This means complete interchangeability between the two units by merely replacing the pump-head, and it results in a very compact package with impressive performances.

The evolution of the electronic controller into an intelligent unit, now allows the option of a continuous ramp speed control between 1100 and 3500 rpm where the speed of acceleration may be precisely varied. An external feedback loop enables the pump to deliver a constant pressure or flow rate despite variations in demand. The versatility of this product opens new horizons to high technology systems.

Main applications

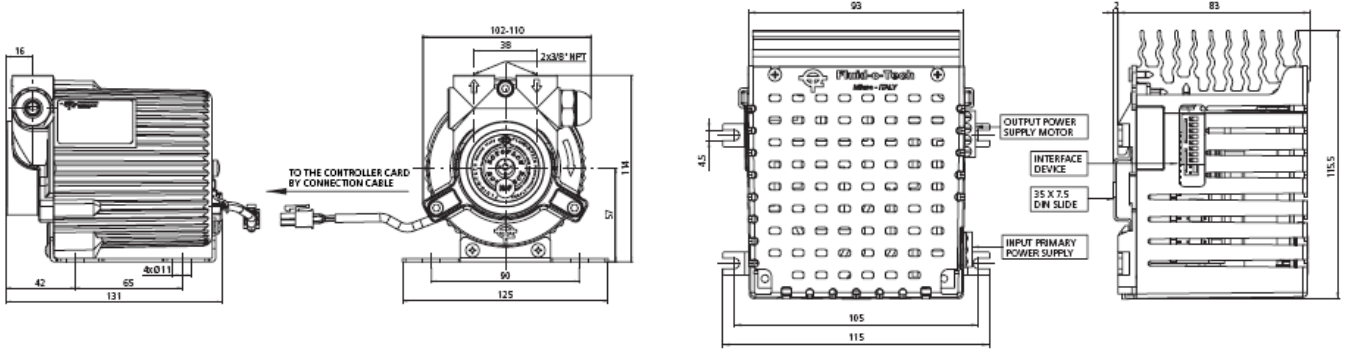
- + Post mix
- + Welding
- + Cooling systems
- + Solar heating systems
- + Circuit washing
- + Refrigerating gas transfer

Main features

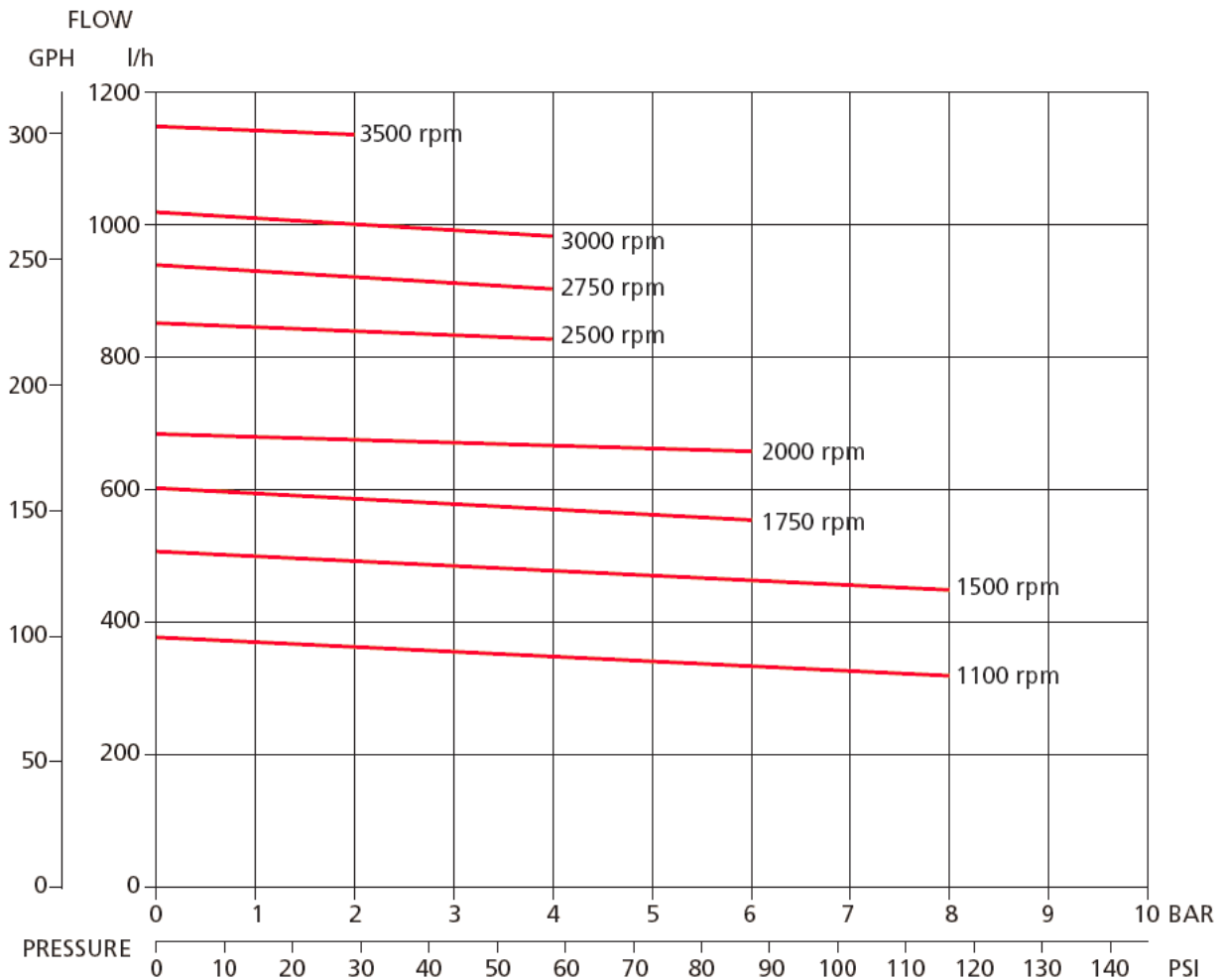
- + Compact size
- + Magnetic drive
- + No wear on the motor
- + 8 selectable speeds
- + Silent unit - 49 dA (A) at 1100 rpm
- + Control by opto-coupled technology available
- + Continuous duty
- + Low operating temperature

Technical specification

- + Housing and rotor in AISI 303 stainless steel
- + Pumping chamber in graphite
- + Seals available in NBR, Viton or EPDM
- + 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



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.