

# Magnet drive rotary vane pump-motor units TMFR 30-200 series

The TMFR series, an integrated pump-motor unit where the motor has no moving parts, features a combination of compact size, superior performance, low energy consumption and silent operation to provide great versatility in a refined, high tech design.

The internal magnet, driven through an electromagnetic field, is capable of transmitting high torque to the shaft.

The speed control system allows the unit to self-adapt to the hydraulic conditions of the circuit to maintain a set pressure or flow rate, while the brushless technology provides a reliable and long lasting operation.

- Compact size
- Motor housing in aluminum
- No wear on the motor
- Black anodized finishing available
- Continuous speed control
- Continuous duty



## MAIN APPLICATIONS

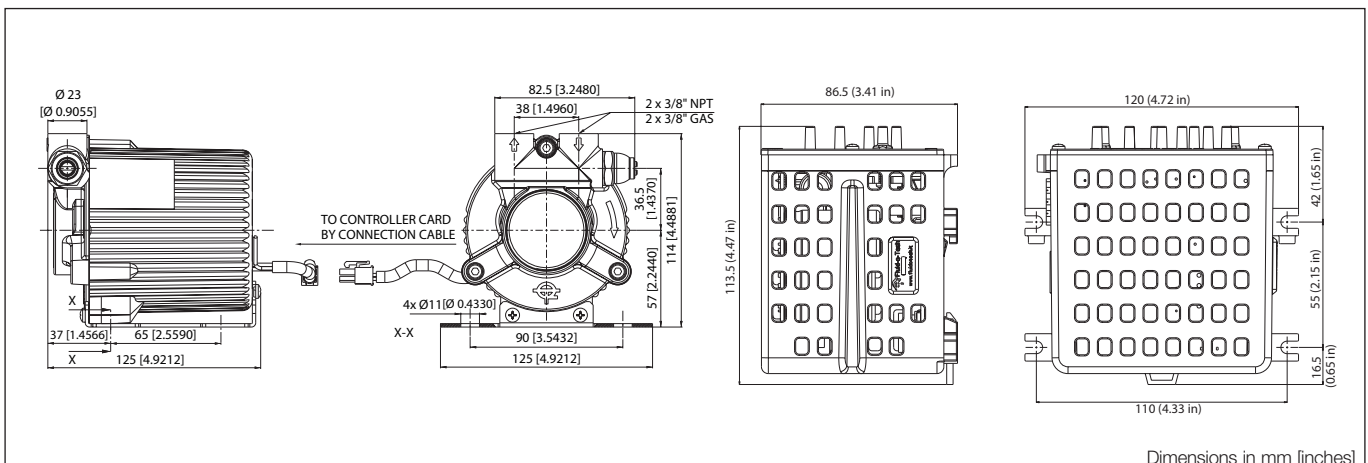
- Laser cooling
- Solar heating systems
- Refrigerating gas transfer
- Reverse osmosis
- Welding
- Fuel burner
- Water repressurization
- Post mix systems
- Espresso coffee machines



## TECHNICAL INFORMATION

Pump housing material	Brass or stainless steel	Max. operative temperature	70 °C (158 F)
Pumping chamber	Carbon graphite	Motor type	100-110-230 V AC 50/60 Hz
Ports	3/8" GAS or NPT	Speed range	1100 to 3500 rpm
Max static pressure	20 bar/290 psi	Absorbed power	max 330 W
Noise	46dB (A) at 1500 rpm	Actual power	max 250 W
Unit weight (w/o controller*)	2.7 kg (5.9 Lb)	Motor IP protection	IP 20

\* Controller weight: 700 g (1,5 Lb).



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TMFROT (BRASS)	050	051	054	070	071	074	100	101	104	150	151	154	200	201	204
Figure	A-A			B-B			C-C			D-D			E-E		
Relief valve	NO	STD	BAL	NO	STD	BAL	NO	STD	BAL	NO	STD	BAL	NO	STD	BAL

TMFRSS (STAINLESS STEEL)	050	051	070	071	100	101	150	151	200	201
Figure	A-A		B-B		C-C		D-D		E-E	
Relief valve	NO	STD	NO	STD	NO	STD	NO	STD	NO	STD



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

**Fluid-o-Tech srl**  
Via Leonardo da Vinci, 40  
20094 Corsico, Milano, Italy  
Tel. +39 02 9995 01  
Fax +39 02 9995 0999  
info@fluidotech.it

**Fluid-o-Tech Int'l Inc.**  
161 Atwater St.,  
06479 Plantsville CT (USA)  
Tel. +1 (860) 276 9270  
Fax +1 (860) 620 0193  
info@fluid-o-tech.com

**Fluid-o-Tech Int'l Inc. Japan**  
201, 4-3-10, Todoroki,  
Setagaya, Tokyo 158-082, Japan  
Tel. +81 (0) (3) 6432 1812  
Fax +81 (0) (3) 6432 1813  
erkkato@fluidotech.jp

**Fluid-o-Tech Asia (Beijing) Co., Ltd**  
Jingwei Industrial Zone,  
Beifang Huairou, Beijing, 101400, PRC  
Tel. +86 (0) (10) 6168 4650  
Fax +86 (0) (10) 6168 4651  
info@fluidotech-asia.com