

Fluid-o-Tech magnetic drive rotary vane pumps TM series



The Fluid-o-Tech magnetic drive rotary vane pumps combine the established range of pumps with the added advantage of an indirect magnetic coupling:

- longer service life
- no mechanical seals
- totally sealed body
- low maintenance
- less power consumption
- smooth transmission
- self priming

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The pole-to-pole alignment of the two magnets provides the driving motion to the pump.

Decoupling occurs when the pump load exceeds the coupling torque between the magnets.

The introduction of a new driving magnet with improved torque (available upon request) brings the maximum operating pressure to the same values of the PO series with direct coupling.

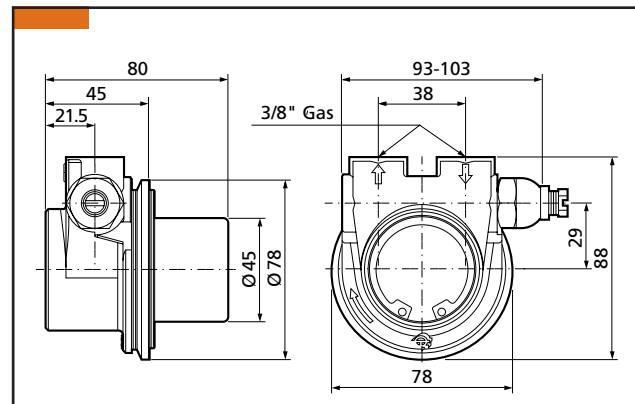
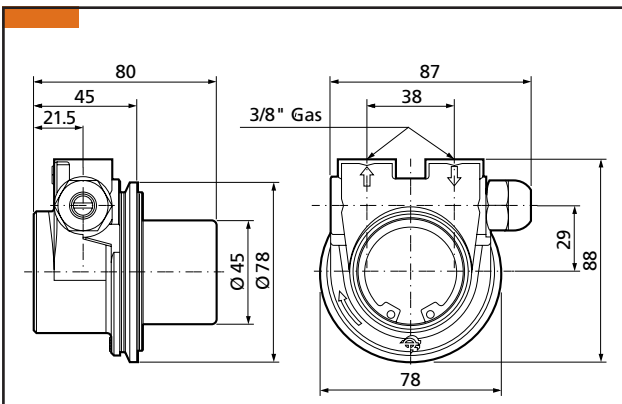
The ROTOFLOW™ Series magnetic drive rotary vane pumps are housed in stainless steel AISI 303 or brass bodies, with carbon graphite internal components.

- 3/8" GAS or NPT threaded ports
- Standard or balanced relief valve
- NBR, EPDM or Viton seals



NSF listed pumps available for potable water. Add suffix "A" after the last character.

- Max size solid particles: 20 μ
- Max system pressure: 18 Bar (260 psi)
- Max temperature: 70 °C (140 °F)



Fluid-o-Tech
<http://www.fluidotech.it>

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 20143 Milano - Italy
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 Plantsville CT (USA) 06479
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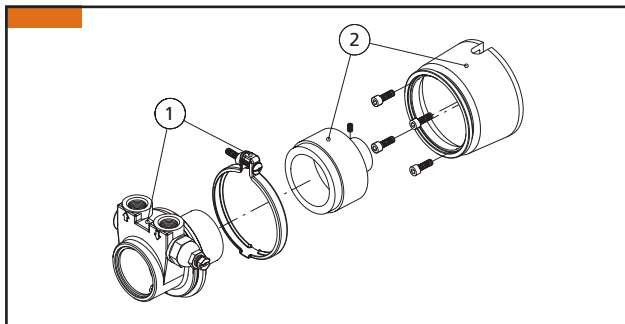
6F, 2-19-2, Akasaka,
 Minato-ku, Tokyo 107-0052 Japan
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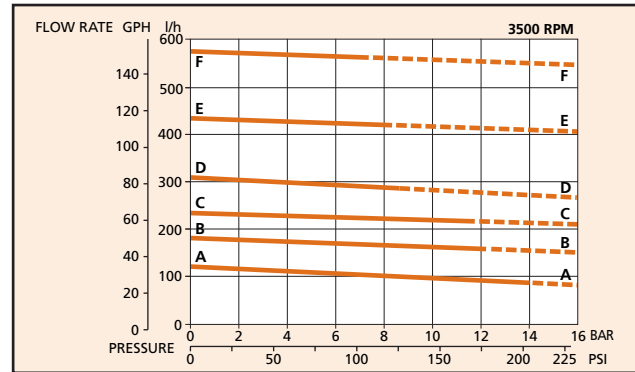
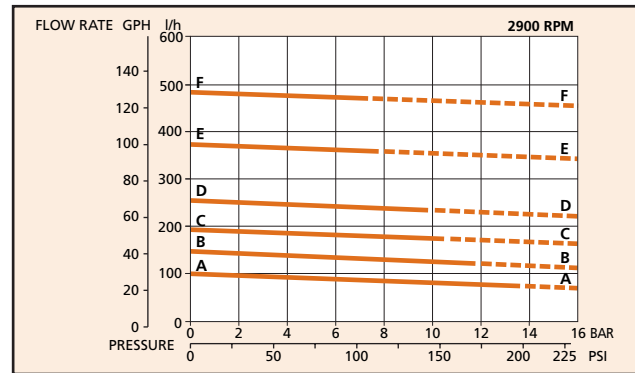
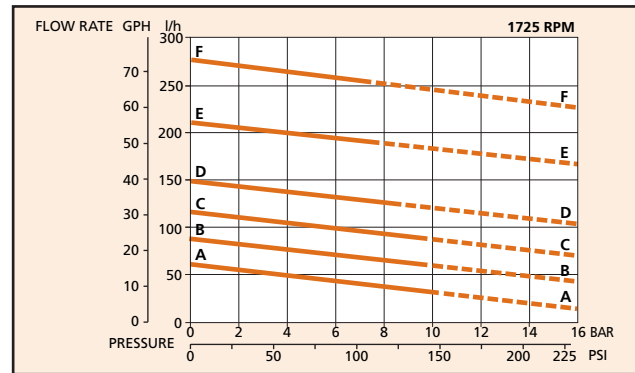
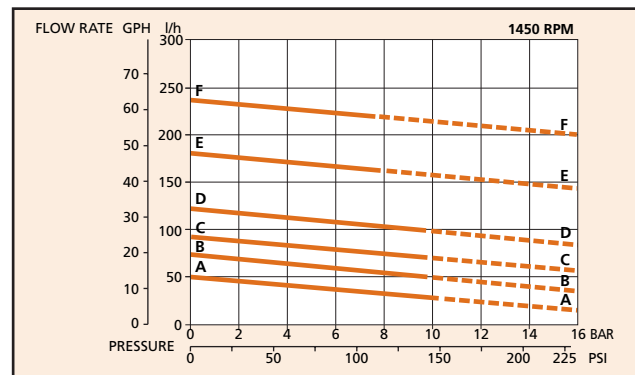
Model	By-Pass	Housing	Figure
TMSS030	NO	STAINLESS STEEL	A-A
TMSS050			B-B
TMSS070			C-C
TMSS100			D-D
TMSS150			E-E
TMSS200			F-F
TMSS031			A-A
TMSS051			B-B
TMSS071			C-C
TMSS101			D-D
TMSS151	E-E		
TMSS201	F-F		
TMOT030	NO	BRASS	A-A
TMOT050			B-B
TMOT070			C-C
TMOT100			D-D
TMOT150			E-E
TMOT200			F-F
TMOT031			A-A
TMOT051			B-B
TMOT071			C-C
TMOT101			D-D
TMOT151	E-E		
TMOT201	F-F		
TMOT034	BALANCED	BRASS	A-A
TMOT054			B-B
TMOT074			C-C
TMOT104			D-D
TMOT154			E-E
TMOT204	F-F		

Pos.	Description	Assembly	Code	Driving magnet only	Code
1	TM series pump	-	-	-	-
2	Standard assembly (M56-B14)	TMB1	3350030	TMA 09 (9 mm bore)	3350000
	High torque assembly (M56-B14)	TMB51C	3350530	TMAS 09C (9 mm bore)	3350440
	Standard assembly (M63-B14)	TMB2	3350040	TMA 11 (11 mm bore)	3350010
	High torque assembly (M63-B14)	TMB52C	3350540	TMAS 11C (11 mm bore)	3350500
	Standard assembly (NEMA 56C)	TMB3	3350050	TMA 5/8" (5/8" bore)	3350020

Note: The "C" series driving magnets provide a slot in the internal bore to accept the driving key of motors M56 and M63 frame.



Note: Characteristics with water at 20 °C and without by-pass - Use filter before pump inlet not larger than 20 microns - Pump weight: 1,1 kg
 For applications involving other fluids, high temperatures, unusual processing conditions or speed higher than 2500 rpm consult the factory or an authorized Fluid-o-Tech distributor



— curves with driving magnets TMA 09, TMA 11 and TMA 5/8"
 - - - curves with driving magnets TMAS 09C and TMAS 11C

TM - 02/03 Ed.