

## Fluid-o-Tech™ rotary vane pumps



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

The principle of the magnetic drive comprises an inner magnet embodied in the pump and connected to the rotor, and an outer magnet connected to the motor shaft. 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 (avail-

able 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 housing, with carbon graphite internal components.

Max system pressure: 18 Bar (260 psi). Max temperature: 70°C (158°F)

### Benefits of magnetic drive

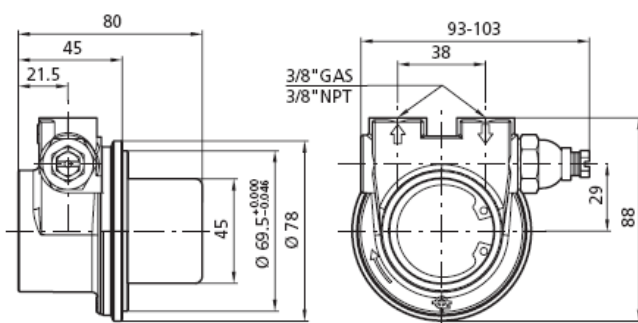
- + longer service life
- + no mechanical seals
- + totally sealed body
- + low maintenance
- + less power consumption
- + smooth transmission

### Available on request

- + 3/8" GAS or NPT threaded ports
- + standard or balanced relief valve
- + NBR, EPDM or Viton seals
- + NSF listed pumps for potable water (TM...A series)

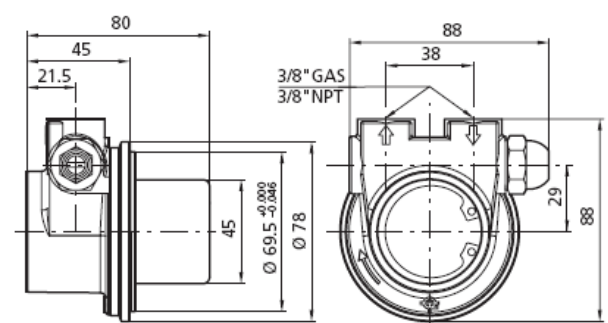
### Technical Specification

Pump with balanced by-pass valve:



Dimensions in mm

Pump with standard by-pass valve:

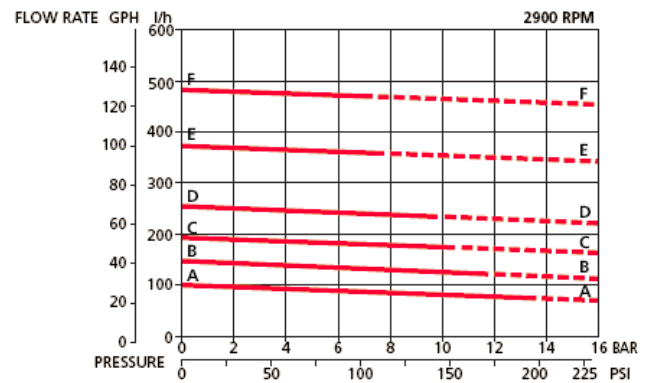
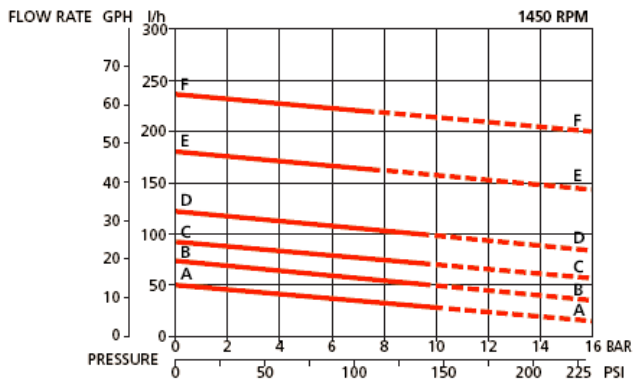


Dimensions in mm

## Performance Data

Model series	03x	05x	07x	10x	15x	20x
Figure	A-A	B-B	C-C	D-D	E-E	F-F

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



The solid line indicates curves with driving magnets TMAF09S, TMAF11S, TMAF5BS.

The dotted line indicates curves with driving magnets TMA09C, TMA11C, TMA5BC.

Note: characteristics with water at 20°C and without by-pass. Use filter before pump inlet not larger than 10 microns. Pump weight: 1.1kg.

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