

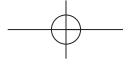
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Product  
overview



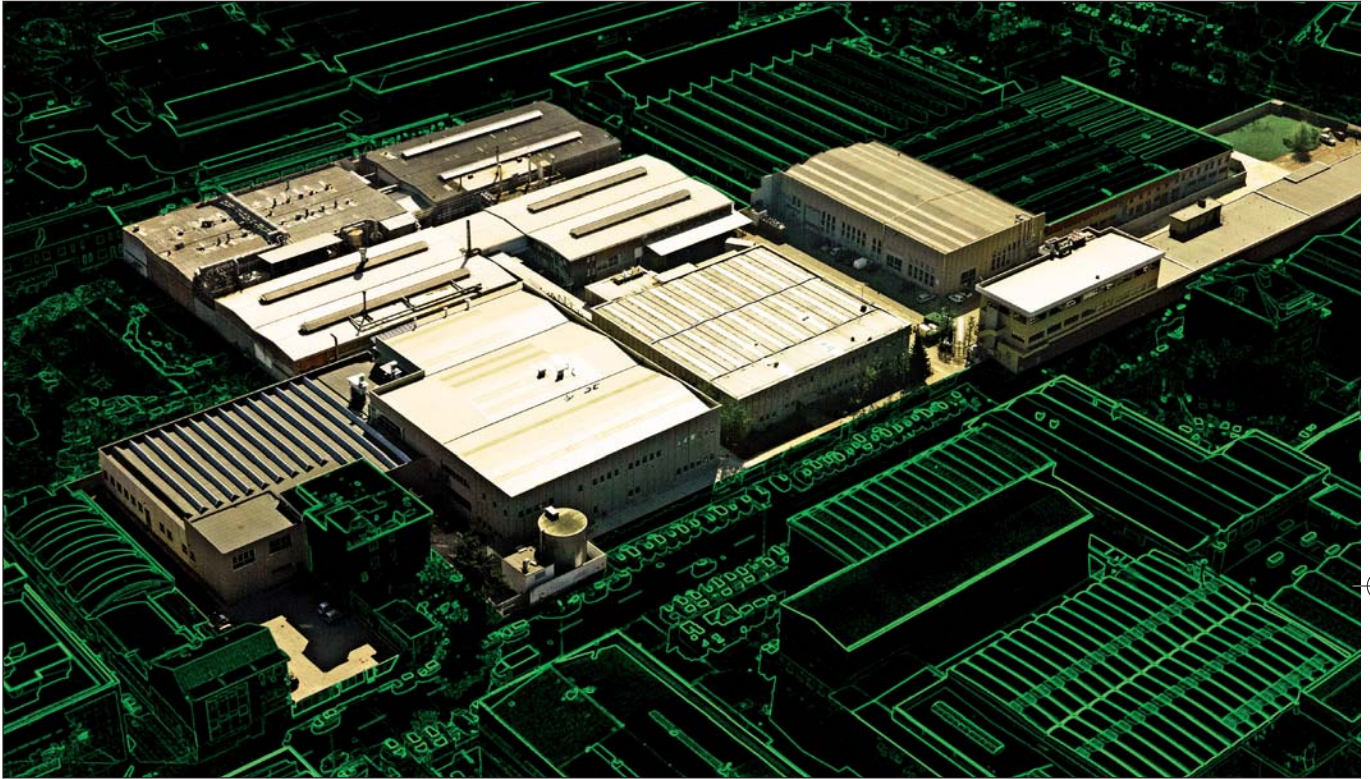
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POWER THE FLOW

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# Partnering



*Fluid-o-Tech's state-of-the art 140,000 square foot facility located in Corsico, Milano, Italy. More than 200 skilled and*

*experienced employees at the plant produce the world's finest positive displacement pumps.*

# for Innovation



Fluid-o-Tech, an Italian-based manufacturer, is a leader and innovator in the design and production of positive displacement pumps.

Fluid-o-Tech's first machining operation was established in 1948. In 1976, we introduced the first positive displacement pump. Fluid-o-Tech has since expanded, becoming a global presence, with offices in the U.S.A., Japan and China.

Over the years, we have developed a strong reputation in the fluid handling industry by anticipating market needs and developing innovative solutions to fit the specific requirements of customers.

Historically, high precision machining and process innovation in the automotive, beverage, and water treatment industries have been milestones of our company. Other major industries include cooling systems, ink-jet printing and renewable energies.

Through the years, Fluid-o-Tech has developed a core set of principles based on experience, technological development and a dedication to building relationships of trust with employees, suppliers and customers. As a market leader driven by excellence and innovation, we are committed to quality products, customer satisfaction, the pursuit of Lean Manufacturing, and the Six Sigma principles.

Integrity, hard work, continuous improvements and investments have made Fluid-o-Tech what it is today: a highly specialized company that partners with universities, research institutions and engineering companies to achieve advanced fluid handling solutions.

*Fluid-o-Tech's North American facility in Plantsville, CT., U.S.A.*







### Positive Displacement Rotary Vane Pumps, 4000 Series

Stainless steel housing with internal parts made of stainless steel and carbon graphite.

**Flow Rate:** From 316 to 760 gph at 1725 rpm

**Pressure:** Up to 260 psi

**Main Applications:** Reverse osmosis, car wash, cooling systems, irrigation



### Positive Displacement Rotary Vane Pumps, PO, PA and PB 500-1000 Series

Brass, no lead brass or stainless steel housing with internal parts made of stainless steel and carbon graphite

**Flow Rate:** From 158 to 365 gph at 1725 rpm

**Pressure:** Up to 230 psi

**NSF:** Listed for potable water

**Main Applications:** Reverse osmosis, water treatment, chillers, car wash



### Positive Displacement Rotary Vane Pumps, PO, PA, PB, CA and MA 70-400 Series

Brass, no lead brass or stainless steel housing with internal parts made of stainless steel and carbon graphite. The CA Series is brass only.

**Flow Rate:** From 9 to 140 gph at 1725 rpm

**Pressure:** Up to 230 psi in a compact unit

**NSF:** Listed for potable water

**Main Applications:** Espresso machines, reverse osmosis, car wash, chillers



### Magnet Drive High Volume Rotary Vane Pumps, TH Series

Brass or stainless steel housing with internal parts made of stainless steel and carbon graphite. A magnet-driven pump guarantees a leak-free operation.

**Flow Rate:** From 158 to 316 gph at 1725 rpm

**Pressure:** Up to 200 psi

**Main applications:** Reverse osmosis, chillers



### Magnet Drive Rotary Vane Pumps, TM Series

Brass or stainless steel housing with internal parts made of stainless steel and carbon graphite. A magnet-driven pump guarantees a leak-free operation.

**Flow Rate:** Up to 154 gph at 3500 rpm

**Pressure:** Up to 200 psi

**Main Applications:** Espresso machines, water treatment, chillers



### Electromagnetic Rotary Vane Pump-Motor, TMFR and TSFR Series

The TMFR and TSFR series are variable speed magnet-driven rotary vane pumps integrated with a brushless variable speed motor. The controller offers 0-5 VDC, 4-20 mA, or dip-switch speed settings. Brass or stainless steel pump housings are available with internal parts made of stainless steel and carbon graphite.

**Flow Rate:** Up to 150 gph (TMFR) and 290 gph (TSFR) at 3500 rpm

**Pressure:** Up to 230 psi (TMFR) and 116 psi (TSFR)



### Magnet Drive Gear Pumps, MK200-MK300 Series

Stainless steel base material with PTFE or PEEK gears. A magnet-driven pump guarantees a leak-free operation.  
**Flow Rate:** Up to 4350 ml/min at 3500 rpm

**Pressure:** Up to 200 psi

**Main Applications:** Medical equipment, ink-jet printers, cooling systems



### Magnet Drive Gear Pumps, MG200-MG400 Series

Stainless steel base material with PTFE, PEEK or ceramic PEEK gears. A magnet-driven pump guarantees a leak-free operation.

**Flow Rate:** 62 to 3152 ml/min

**Pressure:** Up to 218 psi

**Main Applications:** Medical equipment, ink-jet printing, food process equipment, laser equipment



### Magnet Drive Gear Pumps, MG300 Series

Stainless steel base material with PTFE or PEEK gears. A magnet-driven pump guarantees a leak-free operation.

**Flow Rate:** 62 to 3152 ml/min

**Pressure:** Up to 218 psi

**Main Applications:** Medical equipment, ink-jet printers, water purification





### Magnet Drive Gear Pumps, PG300 Series

PPS base material with PTFE or PEEK gears. The PG300 weighs less than the stainless steel model, but achieves the same durability and performance. A magnet-driven pump guarantees a leak-free operation.

**Flow Rate:** Up to 3154 ml/min at 3500 rpm

**Pressure:** Up to 218 psi

**Main Applications:** Medical equipment, ink-jet printers, lubrication



### Magnet Drive Gear Pump Motor Units, FG200-FG300 Series

Stainless steel or PPS mag-drive gear pump with integrated 24V DC brushless motor. Speed controlled by 0-5V signal.

**Speed Range:** 500-5000 rpm

**Flow Rate:** Up to 3406 ml/min at 5000 rpm

**Pressure:** Up to 175 psi

**Main Applications:** Medical equipment, ink-jet printing, cooling systems



### Magnet Drive Gear Pump Motor Units, FG100 Series

Stainless steel mag-drive gear pump with integrated 24V DC brushless motor. Speed controlled by 0-5V signal.

**Speed Range:** 500-5000 rpm

**Flow Rate:** Up to 3154 ml/min at 5000 rpm

**Pressure:** Up to 130 psi

**Main Applications:** Espresso machines, cooling systems, food processing equipment





### DGD Plastic and SS Gear Pumps

Available in Vectra (LCP), an FDA approved food-grade material, or stainless steel. Designed to handle clear fluids at low pressure.

The direct drive model is available with a 24V DC motor at 1550, 3200 or 3900 rpm

**Flow Rate:** Up to 2665 ml/min at 3900 rpm

**Pressure:** Up to 58 psi

**Main Applications:** Water purifiers, fluid transfer applications, spraying



### DGM Mag-Drive Plastic Gear Pumps

Available in Vectra (LCP), an FDA approved food-grade material, this unit is designed to handle clear fluids at low pressure.

The magnet drive is available with a 12V or 24V DC motor at 3000 rpm

**Flow Rate:** Up to 2334 ml/min at 3000 rpm

**Pressure:** Up to 58 psi

**Main Applications:** Water purifiers, fluid transfer applications, laser cooling



### Magnet Drive Coupled External Gear Pumps, MTC Series

Available with stainless steel or aluminum housing with PPS gears. The MTC magnetically driven gear pumps provide flow rates up to 40 liters per minute (10.5 gpm). This pump offers precision performance to meet the needs of a wide range of applications.

**Flow Rate:** Up to 10.5 gpm at 3450 rpm

**Pressure:** Up to 145 psi

**Applications:** X-ray equipment, cooling systems, water purification, temperature control



### Metering System DSS-01 and DSX-01

The DSS-01 and DSX-01 metering systems are highly accurate and quiet systems, ideal for delivery and dispensing of particulate-free solutions. The driver is equipped with a 24V DC brushless motor, which can be coupled with the MG and PG series pump, offering a broad range of performances. **Flow Rate:** Up to 3600 ml/min at 3000 rpm



### Oscillating Piston Pumps

The oscillating piston pump series offers a compact solution to intermittent duty applications. Pumps available in single or duplex configurations with wetted components in brass or plastic. **Flow Rate:** Up to 35 gph  
**Pressure:** Up to 260 psi  
**Main Applications:** Pumping syrup in post-mix systems in beverage vending machines, espresso makers, reverse osmosis for domestic use, misting systems, steam cleaners for jewelry, carpet cleaners



### Peristaltic Pumps

The peristaltic pump offers a cost effective solution for precise fluid handling applications. The elimination of the traditional gearbox and the ability to quickly change out tubing simplifies delivery systems. **Flow Rate:** Up to 1000 ml/min  
**Pressure:** Up to 30 psi  
**Main Applications:** Analyzers and samplers, food industry, medical equipment, food processing equipment, pharmaceuticals, laboratory equipment



### **F Caffé Nanofiltration System**

The F-Caffé is an innovative water quality solution designed with the espresso industry in mind. The nanofiltration membrane is activated by the same pump already used by the brew cycle. The F-Caffé produces water with low salinity without affecting pH.



### **F-Soda Carbonation System**

The F Soda carbonation system is a device designed to be easily integrated into purification devices or water dispensers not equipped to produce carbonated water.

Typical applications include vending machines, point of use water chillers and beverage dispensers.

# Partnering -

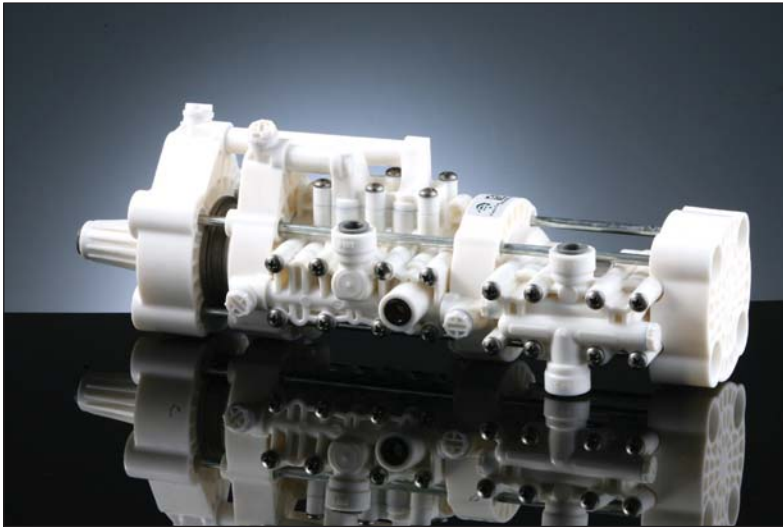




### **F-Meter Volumetric Counter**

The F-Meter is built to measure low flow with superb accuracy. Its quality materials, the special support for the motor and the high quality finish of the components allow F-Meter to provide an accurate reading, regardless of orientation. The electronic connector swivels in its seat, allowing for flexibility of installation.

**Applications:** Espresso machines, food processing equipment, medical equipment



### **Fluid Power Proportioning Unit FPP Series**

The Fluid Powered Proportioning Pump (FPP) is designed to mix two different fluids with a high degree of accuracy. The pump's unique design allows it to use the energy stored in the pressurized fluid to run the unit.

The mixing ratio is constant, regardless of the flow rate or pressure applied to the unit. Components are food grade and offer a wide range of chemical compatibility.

**Mixing Ratio:** from 3:1 to 10:1 (not adjustable)

**Mix Inlet Pressure:** 290 psi

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