



MasterFlo

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PROCESS PUMP SALES, SERVICE & SOLUTIONS

As a leading distributor of high quality process pumps, we have the technical expertise to make certain you get the best product for your application.

Call us today to get your project flowing!



Air operated double diaphragm pumps with Elimatic patented air valve system.



Comprehensive line of ANSI, regenerative turbine, condensate, boiler feed, end suction, inline, split case, booster systems, sump and sewage pumps.



Extensive utility, sump, sewage, effluent, non-clog and other large waste handling pumps.



Comprehensive line of split case, dry pit, submersible solids handling, vertical line shaft, submersible turbine, mixed flow and axial flow propeller pumps.



Complete line of ANSI and end suction centrifugal pumps.



Plastic mag-drive seless, ETFE-Lined ANSI mag-drive pumps and drum pumps.



Moyno™ progressing cavity pumps, sludge pumps, metering pumps, sanitary pumps, multiphase fluids transfer systems, grinders and controls.



ETFE & PFA lined ANSI and non-metallic mag-drive chemical process and metering pumps.



Submersible pumps engineered with lower internal velocities, urethane impellers, and specially designed volutes to dramatically increase the operational life of the pump.



Chemical metering pumps for the water, wastewater, power, swimming pool, and chemical processing industries.



Helical gear, vertical turbine, submersible, ANSI, end suction, split case & multi-stage pumps.



Complete range of mechanical seals, seal support systems and bearing protectors.



MasterFlo Pump, Inc.

(724) 443-1122

Sales, Service & Solutions



Complete reciprocating pump line, medium to heavy duty to fit almost any application. Pressures up to 5,500 psi and flows to 600 gpm @ 450°.



Leading manufacturer of vertical turbine pumps.



Fluid pulsation control products for all facets of municipal and industrial process industries. Improve pump and instrumentation performance while significantly extending system component life.



High performance and premium quality centrifugal pumps. These pumps include vacuum assisted, standard centrifugal, self-priming & hydraulic submersible. Trailing package options.



Submersible turbine, end suction, solids handling, submersible, utility and self-priming trash pumps.



Close-coupled centrifugal, circulating, end suction centrifugal, horizontal and vertical multi-stage pumps.



Complete line of horizontal multistage, vertical in-line double suction, vertical sump, solids handling & end suction pumps.



Internal gear pumps in sealed and mag-drive configurations. Part-for-part interchangeability with most common Viking pump models.



Comprehensive line of corrosion resistant formed stainless steel and cast iron pumps that include end-suction centrifugal, multistage, and submersible sump, effluent, and sewage pumps.



Quality hygienic stainless steel process equipment.



Internal gear pumps provide favorable flow conditions, superior self-priming & mag-drive capability and gentle handling of highly viscous liquids.



Ball Check Valves with unrestricted passage, resilient seated, low-resistance ball operation.



Highly engineered sealless diaphragm metering pumps and process pumps for supercritical fluids.



Canned motor pumps for leak-free operation. Double containment prevents product leakage to the environment. API 685 models available.

Conversions

Viscosity:

$$SSU = \text{Centipoise} \times 4.55 / \text{Sp Gr}$$

$$\text{Centistokes} = \text{Centipoise} / \text{Sp Gr}$$

$$SSI = \text{Centistokes} \times 4.55$$

$$\text{Viscosity} = 0.4085 \times \text{gpm} / \{ \text{id (in) of pipe} \}^2$$

Volume & Weight:

$$1 \text{ Gallon} = 3.785 \text{ Liters}$$

$$1 \text{ Gallon} = 128 \text{ Fl. Oz.}$$

$$1 \text{ Gallon} = 231 \text{ Cubic In.}$$

$$1 \text{ Gallon} = .13369 \text{ Cu. Ft.}$$

$$1 \text{ Gallon H}_2\text{O} = 8.336 \text{ lbs.}$$

$$1 \text{ Cubic Meter} = 264.2 \text{ Gal.}$$

$$1 \text{ Cu. Ft. H}_2\text{O} = 62.4 \text{ lbs.}$$

Pressure:

$$\text{kPa} = \text{psi} \times 6.9$$

$$\text{mm Hg} = \text{ATM} \times 760$$

$$\text{psi} = \text{Ft of H}_2\text{O} \times .433$$

$$\text{psi} = (\text{Ft head} \times \text{Sp.Gr.}) / 2.31$$

$$\text{psi} = \text{ATM} \times 14.7$$

$$\text{psi} = \text{Kg/Sq cm} \times 14.22$$

$$\text{psi} = \text{meters of H}_2\text{O} \times 1.42$$

$$\text{psi} = \text{Bar} \times 14.5$$

$$\text{psi} = \text{in Hg} \times .491$$

$$\text{Ft of H}_2\text{O} = (\text{psi} \times 2.31) / \text{Sp Gr}$$

$$\text{Ft of H}_2\text{O} = \text{ATM} \times 33.9$$

$$\text{Ft of H}_2\text{O} = \text{in Hg} / \text{Sp Gr} \times .88$$

Centrifugal

$$\text{BHP} = \text{GPM} \times \text{head(ft.)} \times \text{Sp Gr} / 3960 \times \text{pump eff}$$

Positive Displacement

$$\text{BHP} = \text{GPM} \times \text{psi} / 1715 \times \text{pump eff}$$

$$\text{Specific Gravity} = \text{Wt of Liquid} / \text{Wt of H}_2\text{O}$$

SERVICE AND REPAIR



MasterFlo Pump has factory-trained personnel to provide expert repair services including: Diagnosis, Preventive Maintenance and Complete rebuilding. In addition to the pumps listed above, we can also provide service and repair on hundreds of manufacturers pumps including: ANSImag, ARO, Blackmer, Deming, Durco, Flygt, G&L, Gorman Rupp, Goulds, Graco Graymills, Grundfos, Ingersoll-Rand, Iwaki, Little Giant, LMI, Lutz, Neptune, Netzsch, Peerless, Price, Prominent, Pulsafeeder, Roper, Sandpiper, Seepex, Tuthill, Vaughan, Viking, Warren Rupp, Watson Marlow, Waukesha, Weinman, Wilden, Worthington, and Yamada.

