

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.

VERSA-MATIC

Air operated double diaphragm pumps with patented non-stalling, non-freezing, lube-free magnetic air valve system.



MOYNO

Progressing cavity pumps, sludge pumps, metering pumps, sanitary pumps, multiphase fluids transfer systems, grinders and controls.

FINISH THOMPSON

ANSI mag-drive sealless centrifugal pumps and drum pumps.



TARBY

The premier alternative source for progressing cavity pumps and parts in North America.

JESCO

Injecting liquid chemicals into the water, wastewater, power, swimming pool, and chemical processing industries for 70+ years.



TSURUMI

Submersible pumps engineered with lower internal velocities, urethane impellers, and

GRISWOLD

A complete line of ANSI, end suction centrifugal pumps and vertical turbine pumps.



PERIFLO

A complete family of peristaltic hose pumps for a wide variety of applications.

RITZ

Comprehensive line of centrifugal, high pressure, solid handling, multi-stage, archimedean screw and submersible pumps.



EBARA

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

ROTAN

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



PIONEER

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

- air diaphragm ▪ chemical metering ▪ ANSI centrifugal ▪
- high-pressure ▪ multi-stage ▪ submersible ▪ progressing cavity ▪
- internal gear ▪ self-priming ▪ magnetic drive ▪ peristaltic ▪
- sliding vane ▪ close-coupled ▪ vertical ▪ axial ▪ mixed-flow ▪

MasterFlo

(412) 828-PUMP (7867)
Sales, Service & Solutions



AMERICAN MARSH

Self-priming diaphragm, helical gear, vertical turbine, submersible, ANSI end-suction, split-case, & multi-stage pumps.



TOPLINE

Quality hygienic stainless steel process equipment.



CALPEDA

Close-coupled centrifugal pumps, circulating pumps, end-suction centrifugal pumps, horizontal and vertical multi-stage pumps, self-draining whirlpool pumps, self-priming swimming pool pumps.



DP

Stainless Steel and heavy duty multi-stage vertical pumps.



SUBTECK

Submersible radial and semi-axial, multi-stage and canned motor pumps.



KÖSTER

Axial and mixed-flow pumps.



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, Aurora, ARO, Blackmer, Demming, Durco, Fairbanks Morse, Flygt, G&L, Gorman Rupp, Goulds, Graco, Graymills, Grunfos, Ingersoll-Rand, Iwaki, Little Giant, LMI, Lutz, Moyno, Neptune, Netzsch, Peerless, Price, Prominent, Pulsafeeder, Roper, Sandpiper, Seepex, Tuthill, Vaughan, Viking, Warren Rupp, Watson Marlow, Waukesha, Weinman, Wilden, Worthington, Yamada.

- agricultural ▪ chemical ▪ paints & coatings ▪ food processing ▪
- pharmaceuticals ▪ construction ▪ mining ▪ utilities ▪ pulp & paper ▪
- ceramics ▪ petrochemical ▪ oil & gas ▪ metal finishing ▪
- industrial & municipal wastewater ▪ industrial maintenance ▪



CORKEN

For transfer of hazardous, non-lubricating liquefied gases and low viscosity liquids.



PUMPER PARTS LLC

Replacement parts that fit your Wilden,® ARO,® Yamada® or Warren Rupp® air-operated double diaphragm (AODD) pumps.



PUREFLEX

Fluoropolymer and composite products designed specifically for the ultra pure, pharmaceutical and chemical industries.

- Hoses, fittings, valves and tubing.



BLACOH

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



EGGER

Vortex pumps, three channel impeller pumps, centrifugal pumps with shrouded or open impellers and variable orifice control valves.



HDL

Ball Check Valves with unrestricted passage, resilient seated, low-resistance ball operation. Wide range of applications in waste water systems and potable water lines.



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Viscosity

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

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

$$\text{Head(ft.)} = \frac{\text{psi} \times 2.31}{\text{Sp.Gr.}}$$

$$\text{Head(ft.)} = \frac{\text{in. Hg.}}{\text{Sp.Gr.} \times .88}$$

$$\text{psi} = \frac{\text{Head(ft.)} \times \text{Sp.Gr.}}{2.31}$$

$$\text{psi} = .49 \times \text{in. Hg.}$$

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

Volume & Weight

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

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

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

$$1 \text{ Gallon} = .013369 \text{ Cu. Ft.}$$

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

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

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

Pressure

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

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

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

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

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

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

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

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

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

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

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

Centrifugal

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

Positive Displacement

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

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