



TPE
T E X A S
P R O C E S S
E Q U I P M E N T

A COMMON SENSE APPROACH TO TECHNOLOGY

PUMPS



EXP air operated diaphragm pumps in sizes thru 3". Cast iron, aluminum, stainless steel, Hastelloy C, polypropylene and PVDF materials of construction. Flows to 275 GPM. Drum pump, flap valve and powder handling versions available. Air operated piston pumps in steel and stainless steel construction for pumping high viscosity materials, capable of discharge pressures to 10,000 psi. Complete line of extrusion packages available. Air system components, including filter/regulator/lubricator combinations.



Cast iron and stainless steel end suction and self-priming centrifugals for industrial water, wastewater and dewatering services. Submersible non-clog, sewage ejector, solids handling, grinder and sump models available. Complete self-priming sewage lift station packages.



Electric submersible pumps with 1" to 6" discharge, heads to 140 ft, 1/6 thru 30 hp. Available in multiple configurations including; corrosion resistant stainless steel pumps, sump/sewage/sludge pumps, trash/non-clog/solids handling pumps, sand pumps, vortex pumps, slurry agitator pumps, grinder/cutter/shredder pumps, dewatering/utility pumps and high temperature models.



Sealless, leakproof canned motor centrifugal pumps. Available in steel, 316SS, Alloy 20 and Hastelloy C. Nominal hp ratings available from 1 to 150. Temperatures from -400°F to 1,000°F. G series feature more than 100 models in 30 sizes with capacities to 2,000 gpm, heads to 450 ft; system pressures to 5,000 psi. NC series feature ANSI design with self-contained diagnostics. Special canned motor drive options available. Dynapump LE series features canned motor pumps at a price comparable to mechanical seal pumps.



Sealless, magnetically driven non-metallic gear pumps with absolutely no wetted metallic parts. Available in six sizes with flows to 33 gpm, pressures to 150 psig, and temperatures to 150°F. For medium to highly corrosive clean liquids used in chemical processing, dosing, and water treatment.



Corrosion resistant gear pumps constructed of 316SS, Alloy 20 and Hastelloy C. Flows to 55 gpm, pressures to 100 psig. Available in packed, single and double seal configurations. Sealless mag-drive option available. Eastern 316SS, Alloy 20 and Hastelloy C centrifugal pumps in single and multi-stage design. Single and double seals, flows to 85 gpm, heads to 365 ft.



High pressure, hydraulically actuated diaphragm pumps in cast iron, bronze, 316SS, Hastelloy C and non-metallic construction. Flows to 45 gpm, pressures to 3,000 psig. Excellent for high head pressure, low flow applications. Metering pump available.



Sealless, magnetically driven gear and centrifugal pumps constructed of 316SS, Alloy 20 and Hastelloy C. Gear pump flows to 55 gpm, pressures to 225 psig. Centrifugal pump flows to 85 gpm, heads to 365 ft.



Sealless, magnetic drive centrifugal pumps lined in PFA or ETFE. Flows to 325 gpm, heads to 180 ft. Available in close or long coupled designs. Small/OEM packaged, magnetic drive, close coupled centrifugal pumps in molded polypropylene or ETFE, fractional to 3 hp (some with dry run capabilities).



Modular drum and container pumps in aluminum, 316SS, polypropylene, PVDF and Hastelloy C. Wide selection of electric and pneumatic motors. Sealed and sealless designs available. Tube lengths to 16 feet.



Sealless, magnetically driven gear and centrifugal pumps. Flow rates from 0.25 cc/min to 10 gpm. Differential pressures to 200 psig, static pressure from high vacuum to 5000 psig. Temperatures from -60°F to 400°F. Special modifications available. Excellent for high head pressure, low flow applications including pipeline, densitometer and closed loop sampling, OEM, laboratory, and pilot plants.



Progressive cavity pumps in cast iron & 316SS. Buna, EPDM & fluoroelastomer stators. Flow rates to 50 gpm, pressures to 600 psig. Variable speed metering capabilities.



Regenerative turbine pumps in all iron, bronze fitted and 316SS. Single and multi-stage pumps. Special designs for low NPSHA or high temperature. Flow rates to 100 gpm, discharge heads to 1700 ft. Good for high head pressure, low flow applications.



Hydraulically actuated diaphragm metering pumps for chemical injection, polymer injection and boiler/cooling system chemical metering. Capacities to 600 gph and maximum discharge pressures to 3000 psi. Electric stroke control available. Portable, clamp or base mount, mixers also available.

PUMPS



Cast iron, bronze, 316SS and Hastelloy C centrifugal pumps available as close coupled or pedestal mount. Flows to 1,100 gpm, heads to 380 ft. Self priming, vertical short-setting sump and high pressure multi-stage designs also available.



Sealless, leakproof canned motor centrifugal pumps. Available in 304 & 316SS, Alloy 20 and Hastelloy. Nominal hp ratings available from 1 to 230. Temperatures from -325°F to 840°F. Flows to 3,000 gpm, heads to 1,650 ft with multi-stage design; system pressures to 5,000 psi. All pumps available in both horizontal and vertical configurations. ANSI and API designs with self-contained bearing diagnostics. Teikoku has the ability to build large pumps to 730 hp.



Global Gear series heavy-duty internal gear pump that features an external thrust bearing and heavy-duty bracket for supporting bearings and mechanical seals. Flow rates to 550 gpm, pressures to 200 psi, viscosities up to 1,000,000 ssu. Applications include polymers, chemical processing, bulk transfer, asphalt, and adhesives. HD Series is a circumferential piston pump with flow rates to 650 gpm, pressures to 450 psi handling a wide range of viscosities and slurries, and a low-shear design.



Electronic solenoid drive metering pumps with outputs to 40 gph, pressures to 250 psi. Doses at 360 spm, turndown ratios up to 1800:1. Various material liquid ends, PP, PVC, PVDF and stainless. Waterproof models available. Standard 2-year warranty on liquid end. Mechanically actuated diaphragm pumps with outputs to 114 gph, pressures to 225 psi. PVC, PVDF, and stainless pump heads, single or three phase power.

WATER TREATMENT CONTROLS



pH, ORP, conductivity & disinfection controllers for cooling tower, boiler, and wastewater treatment. Single or dual inputs, wall or panel mount. Also specialty electroless nickel and copper controllers for the plating and printed circuit board industries. Comprehensive line of sensors, electrodes and accessories. All controllers are data logging capable as standard.



Water treatment controllers based on multiple input/output platform. Couples cooling tower/boiler water control with server on-demand technology; automatic data logging. Ability to monitor and control water treatment from any computer, anywhere in the world with a standard web browser. No proprietary software required – safe/secure access. Four direct sensor inputs for pH, ORP and conductivity which can be configured specifically to match system requirements. Industrial model also available for process and wastewater applications. All controllers are data logging capable as standard.

POLY TANKS & PULSATION DAMPENING



Surge/pulsation suppression devices. Protects piping systems from destructive pulsations, surges and water hammer. Variety of sizes and materials available. High pressure units. Spill-STOP diaphragm rupture detectors and gauge isolators also available.



Rotational molded high-density crosslinked polyethylene (HDXLPE) chemical storage tanks. Featuring the SAFE-TANK® double-wall containment system, the IMFO® full drain vertical storage poly tank, and the OR-1000™ oxidation resistant system. Tanks available in vertical, horizontal, cone bottom and open top configurations; secondary containment basins also available. Capacities to 15,000 gallons.

TPE offers custom turnkey pump systems built in-house to meet your specifications; from the simple to the complex. All systems are fully tested prior to shipment. CAD drawings and full documentation services available. Typical applications include:

- Chemical injection systems – pH control, corrosion/scale/biological inhibitors, disinfection/deodorization and defoamers
- Closed loop sampling systems
- Cooling tower/boiler equipment packages
- Sample process recovery systems
- Fertigation packages
- Polymer make-up & feed skids
- Custom water treatment panels



In-house services also include; base plate mounting, controls and drives for all pumps. Additionally, TPE provides factory authorized repair service and testing for all of its distributed products from service centers located in Houston and Dallas.



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