



# NORTHWEST PUMP & EQUIPMENT CO.

## ALASKA SPECIFIC PRODUCTS

### Super T Series

Solids and corrosive liquids handling pumps have a large volute design which allows priming and repriming auto-matically without the need of suction or discharge check valves. Removable coverplate design.

SIZE: 3" - 10"

MAX. GPM: 3400

MAX. HEAD: 145'

SOLIDS: 3"

MATERIALS OF CONSTRUCTION:

Cast Iron, 316 Stainless Steel, CD4MCu Stainless Steel, Alloy 20, Hastelloy



### Mine Permissible Models

Specifically designed for safe, dependable operation in coal and gassy mines. Pumps are approved by the Mine Safety and Health Administration (MSHA)

SIZE: 2" - 4"

MAX. GPM: 930

MAX. HEAD: 360'

SOLIDS: 3/8"

MATERIALS OF CONSTRUCTION:

Cast Iron, 316 Stainless Steel Fitted, CD4MCu Stainless Steel



### Ultra V

This next generation of solids-handling, self-priming centrifugal pumps offers substantially higher pressures, flows, efficiencies and time-saving maintenance features, all in one package. Ultra V Series pumps achieve up to 60% increased pressure and 40% increased flow over traditional self-priming trash pumps of the same size, while substantially increasing overall pumping efficiency.



Hydromatic grinders are ideal for residential, commercial, and resort applications. Used in low pressure sewer systems, the Hydromatic grinder offers a significant cost savings over conventional gravity-fed systems. You receive complete technical support and ongoing engineering assistance for the life of the pump. You can depend on Hydromatic grinders.



SIHI Pumps - part of the Flowserve Corporation - designs and manufactures liquid pumps, vacuum pumps, compressors and engineered systems for many applications in the chemical, pharmaceutical, power, water/waste water, food/beverage, plastic, steel, paper and machinery manufacturing industries.



The HACH Marsh-McBirney Flo-Dar Family of flowmeters provide a revolutionary approach to open channel and sewer flow monitoring. Flo-Dar combines digital doppler radar velocity sensing technology with ultrasonic pulse echo level sensing to remotely measure open channel flows. Flo-Dar's unique non-contact measuring technology means trouble-free sewer flow monitoring.



The Marsh Single-Mag L Series Flow Meter is an insertion-type device that provides a highly cost-effective solution for the accurate measurement of liquid flow in closed conduit, pressurized pipe applications. Unlike conventional magnetic meters, the Single-Mag's cost is independent of pipe size. Velocity and pipe diameter information are utilized by the Single-Mag to determine flow over wide flow ranges with a high degree of accuracy.



Ideal laboratory conditions are rarely found in any water system. Low flows, wide flow ranges, bends, elbows, and even the obstruction of the measuring device affect accuracy. The Marsh Multi-Mag L Series Insertable Electromagnetic Averaging Flow Meter is truly a revolutionary instrument with unprecedented accuracy even in these most difficult flow conditions. It is ideal for measuring potable water, chilled water, raw water, water with sand and grit, and other debris-free water applications.



## SALES • SERVICE • INSTALLATION



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## ALASKA SPECIFIC PRODUCTS



### ENVIRONMENT / ONE EXTREME SEWER SYSTEMS

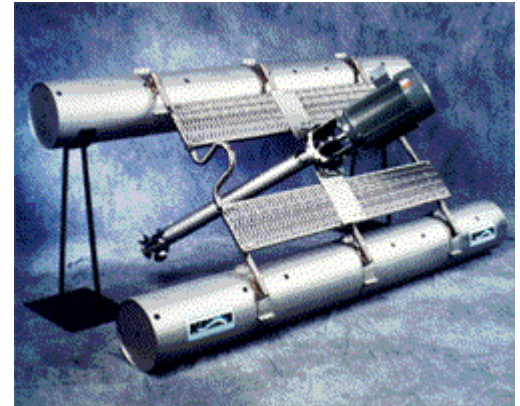
Low-pressure, gravity-independent, contour-following sewage collection systems were pioneered by Environment One. E/ONE Sewer<sup>®</sup> systems have proven to be an economical and effective method of sewerage otherwise difficult land areas, such as lake-front property, hilly terrain, very flat land, and areas with high water tables. At the heart of an E/ONE Sewer<sup>®</sup> is the Grinder Pump, developed by Environment One. These units accept household sanitary waste, grind it into a fine slurry, and pressurize it to permit transport through small-diameter pipes. There have been over 100,000 Environment One Grinder Pumps installed around the world.



### TORNADO Surface Aspirating Aerator

Proven Year-Round Aeration Performance. The TORNADO Surface Aspirating Aerator delivers innovative and economical performance in any season. Featuring a refined high-efficiency design, the TORNADO Aerator horizontally mixes all or part of a basin. Its large-diameter stationary draft tube with unrestricted air intake helps convert the least amount of energy into the maximum amount of aeration and mixing, giving you:

- High Oxygen transfer efficiency
- High basin mixing efficiency
- Engineered for flexibility
- Adjustable floats stay on top of the job
- Customize your float system
- 2-100 HP, 7ft - 12 ft Pontoon length, 12 inch - 19 inch Pontoon diameter



### RAMPARTS LINE Air-Driven Diaphragm Heavy Sludges and Slurries

Air-driven diaphragm pumps have an extra-thick pump casing for handling heavy sludges and solids. Pumps will handle high solids content up to 70%. Pumps are available in 1-1/2" to 4" (40mm to 100mm) sizes, capacities to 170 gpm (11lps), heads to 200' (61m). They will handle up to 3" (76mm) solids.

## MUNICIPAL WASTEWATER TREATMENT PLANT AND INDUSTRIAL PRODUCTS