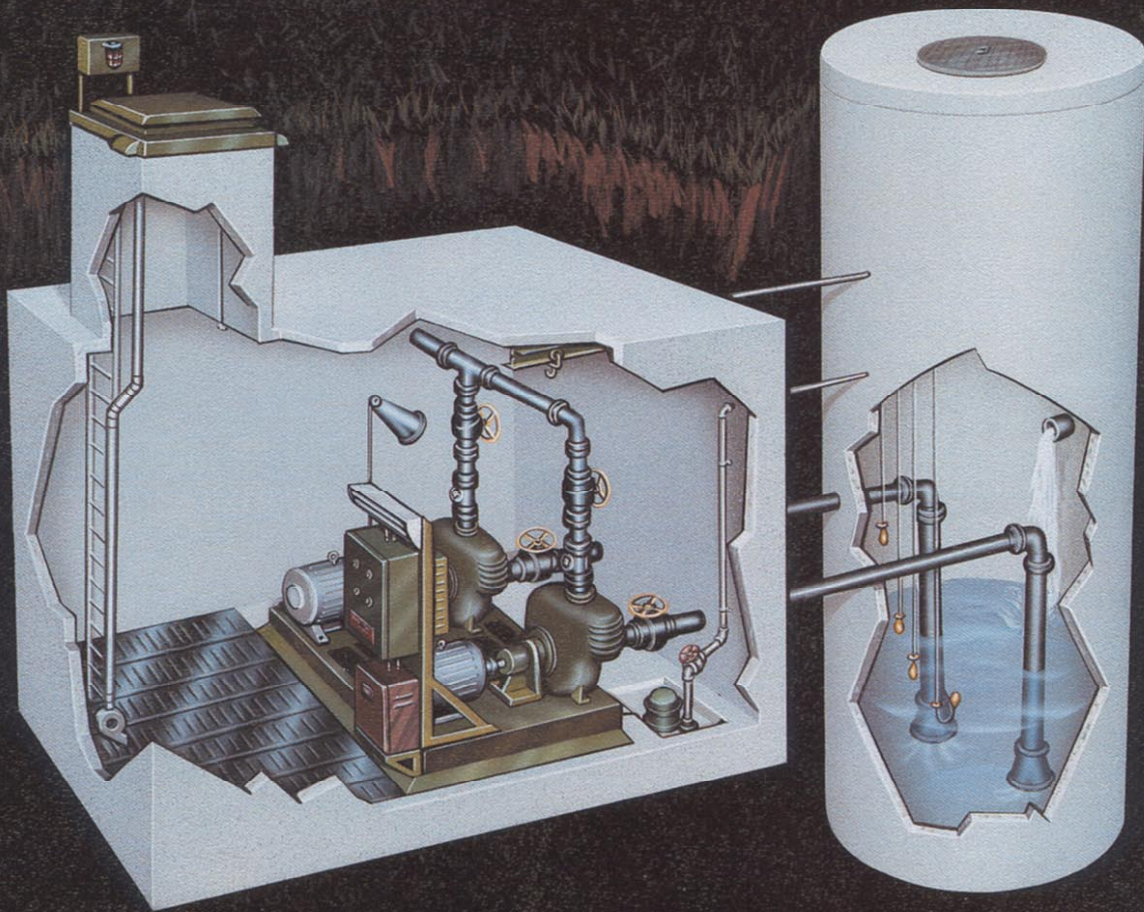


NORWECO
NORWALK WASTEWATER EQUIPMENT COMPANY

POSAPRIME[®]

WASTEWATER PUMPING STATIONS



- Low initial cost
- Fast, efficient installation
- Fully automatic operation
- Duplex non-clog pumps
- Permanent precast concrete tank
- Equipment fully guaranteed

• Capacities to 4,500 GPM

NORWECO'S POSAPRIME® WASTEWATER PUMPING STATION ALLOWS COMPLETE PUMPING FLEXIBILITY IN A MODERN AND LONG-LASTING FACILITY.

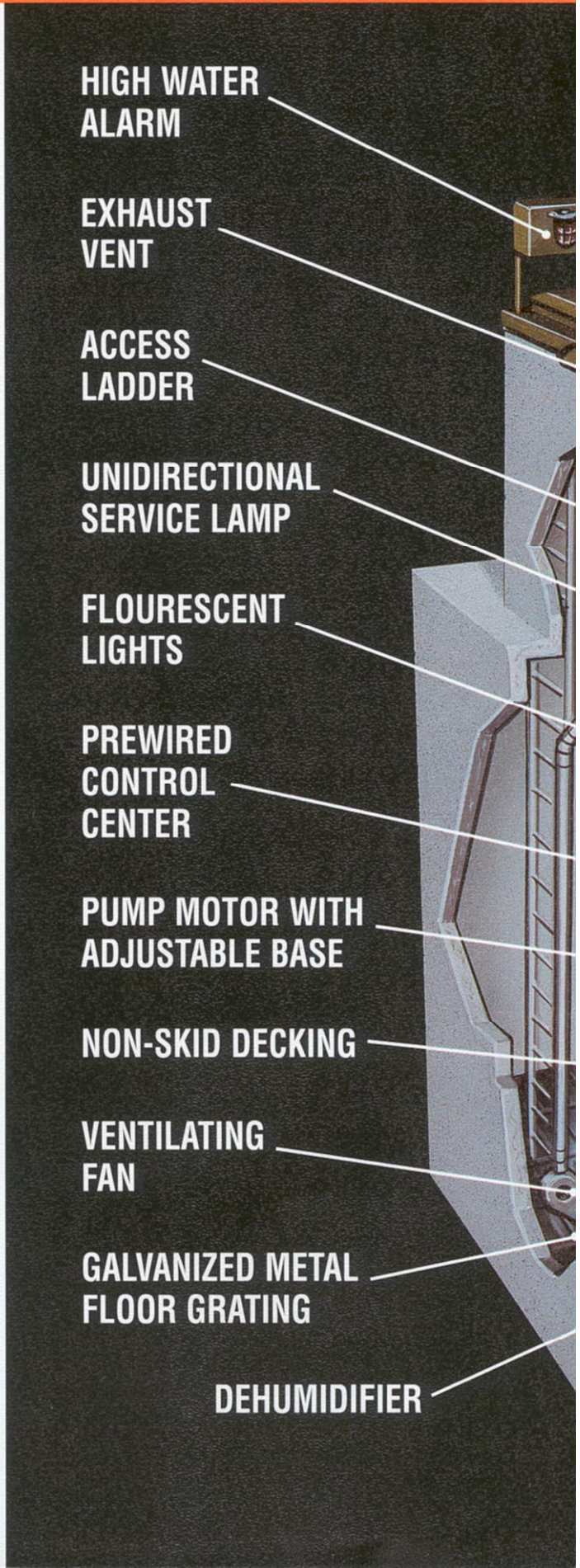
Norweco wastewater pumping stations may be installed as above or below ground systems . . . and equipped as self-priming, flooded suction, pneumatic or vacuum-primed units.

The premanufactured Posaprime system allows all pumps, equipment and controls to be installed in a comfortable and convenient "dry-well." Adverse weather conditions, temperature variations and fluctuations in the wastewater flow do not affect the operation or serviceability of the system. Corrosion, magnesium anodes, structural weakening and repainting are no longer factors in pumping station maintenance.

Norweco's precast concrete Posaprime wastewater pumping station provides the most dependable, maintenance-free method of wastewater handling available today. Norweco equipment is currently in use throughout the world. An impressive list of installations, including U.S. Army Corps of Engineers, FHA and U.S. Department of Natural Resources projects, certifies the field-proven acceptability of Norweco products.

Posaprime pumps are of the centrifugal design and feature self-aligning mechanical seals with removable cover plate to permit easy access to the impeller. Lubrication reservoirs are built-in for each bearing to insure reliable performance under intermittent or continuous duty. Suction and discharge ports are equipped with standard flanges and the built-in check valves are easily removable for service. Shafts are equipped with heavy duty deep grooved ball bearings to assure extended equipment life. Pumps feature cast iron wastewater-handling semi-open impellers capable of passing 3" diameter solids. For additional protection, optional lightning protectors are available on any motor - even explosion proof motors may be provided if needed.

A complete line of accessory items is available for each station including bubbler, mercury switch and float controlled level sensors. Each station is sold as a complete unit including delivery, chamber setting, equipment installation, station start-up and service. This unique "Complete Sales Policy" simplifies station installation and eliminates hidden charges for items such as freight, equipment start-up, chambers setting and others.



**HIGH WATER
ALARM**

**EXHAUST
VENT**

**ACCESS
LADDER**

**UNIDIRECTIONAL
SERVICE LAMP**

**FLOURESCENT
LIGHTS**

**PREWIRED
CONTROL
CENTER**

**PUMP MOTOR WITH
ADJUSTABLE BASE**

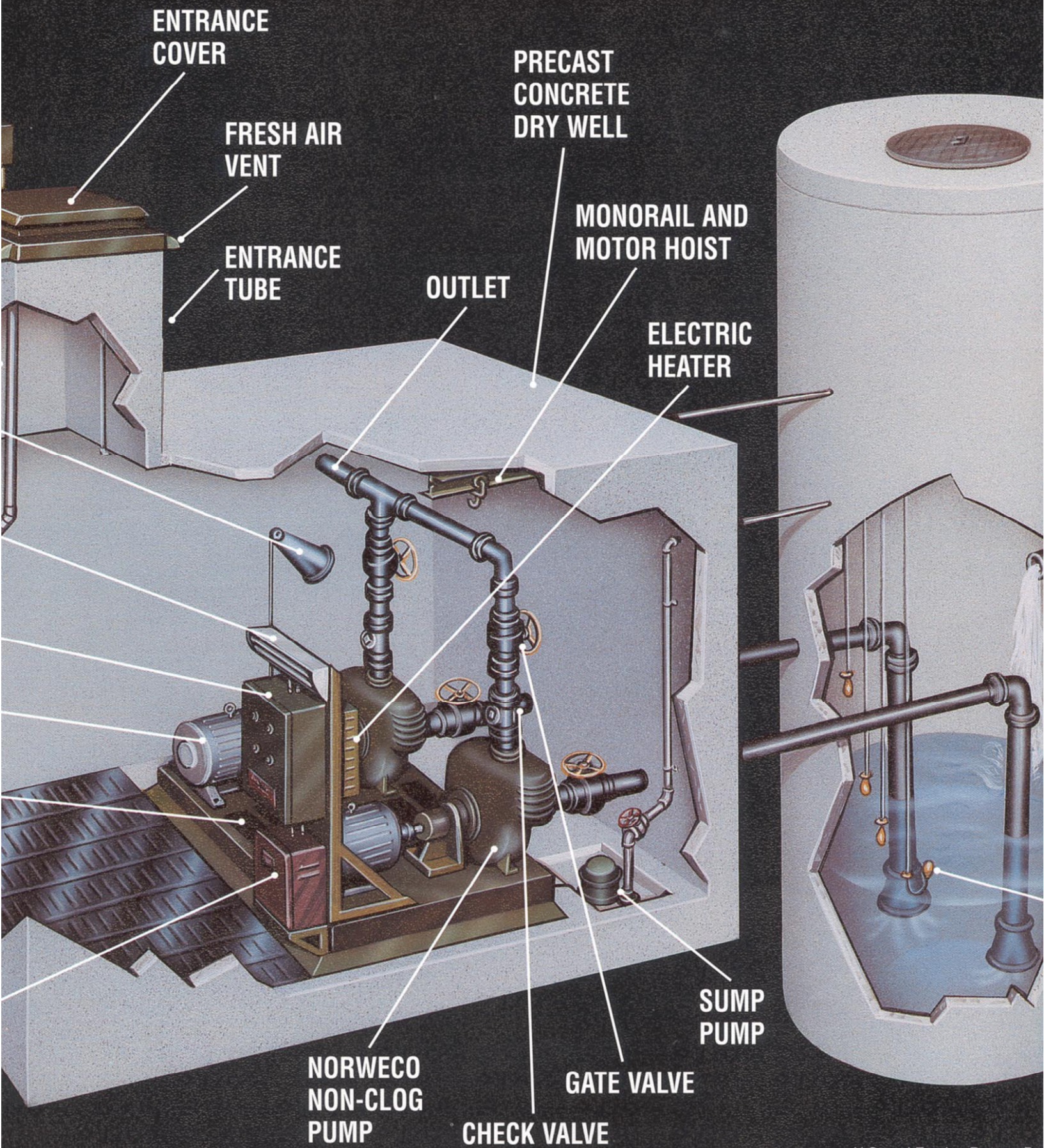
NON-SKID DECKING

**VENTILATING
FAN**

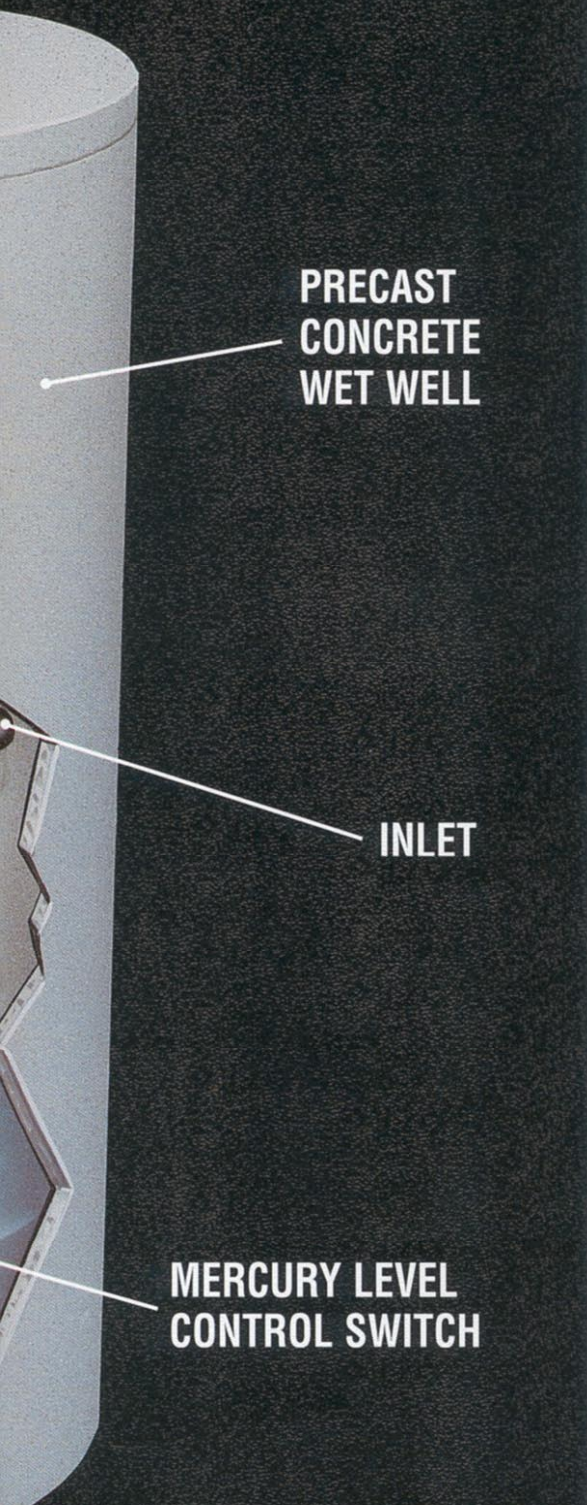
**GALVANIZED METAL
FLOOR GRATING**

DEHUMIDIFIER

WASTEWATER PUMP S



TATIONS . . .



**PRECAST
CONCRETE
WET WELL**

INLET

**MERCURY LEVEL
CONTROL SWITCH**

A UNIQUE NEW DESIGN FEATURING PRECAST CONCRETE STRUCTURE AND PREMANUFACTURED COMPONENTS THAT ASSURE YEARS OF TROUBLE FREE OPERATION...

Posaprime station sections are made of 5000 PSI reinforced precast concrete and arrive at the jobsite ready to install. Individual sections are transported to the site on the local distributor's crane truck and, in many cases, are set directly into the excavation. A gasketed tongue and groove joint is used to lock together mating chamber sections. Norweco's specially designed neoprene sealing gasket insures a positive seal between sections and the precast chamber itself provides rugged structural stability that is unmatched by poured-in-place concrete, fiberglass or steel chambers.

The entire Posaprime equipment package is a premanufactured unit installed on a universal base. Each component part is specially selected for the application - then totally premanufactured under rigid quality control conditions. When work is completed the premanufactured pumping station is inspected, totally checked electrically and put through an actual operating test before being packaged and shipped.

Norweco's station features a number of advantages including internal monorail and motor hoist. The movable hoist may be located conveniently above pumping units for inspection and service needs . . . eliminating costly and troublesome manpower problems.

A unique "Environmental Control System" insures superior equipment life. The "ECS" facility includes automatic refrigeration type dehumidifier, thermostatically controlled electrical heater, fresh air venting and forced air exhaust ventilation system. Each element of the "ECS" facility may be controlled using individual selector switches on the master control center. As an added feature an automatic override switch is located on the entrance cover to activate internal lights and exhaust fan whenever the cover is opened.

Each station is supplied with a complete control center built especially to serve the Posaprime system. The control center leaves the factory completely prewired ready for service. Components have been properly sized and checked, wiring is color coded and each element is plainly identified.

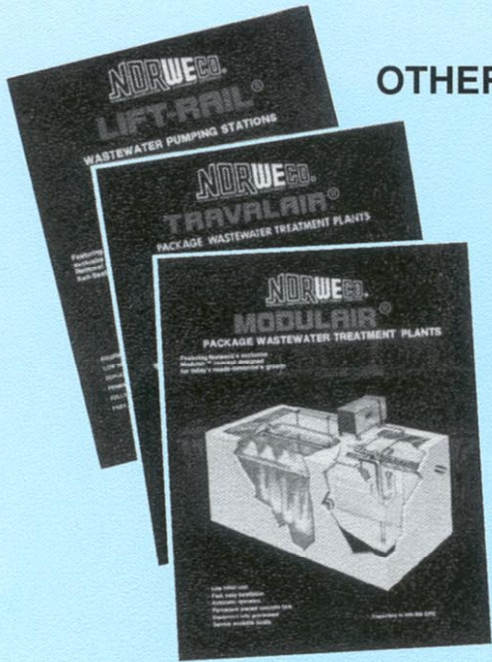
POSAPRIME® ADVANTAGES

- Monolithic concrete tank - common only to the Posaprime system - eliminates the need for a poured-in-place foundation slab in the excavation prior to station installation.
- Low installation cost - the Posaprime system combines the lowest cost per gallon of capacity with the smallest space requirements. Pumps are more efficient and use less electrical power.
- Central control panel - permits fully automatic operation and pump alternation. Places all controls at your fingertips.
- Simplex, duplex or triplex pumps - may be provided in each station to capably handle the entire wastewater flow - virtually eliminates station down time.
- Local distribution and service - each Posaprime system is installed and serviced by a local Norweco distributor. His company name and address are displayed on the control cabinet.
- Non-corrosive precast concrete tank - cannot rust out or deteriorate in strength. Requires no maintenance, no anode packs.
- Convenient dry well - easily accessible pumps and controls are installed in a watertight pump chamber just below grade. All mechanical and electrical equipment is readily available for inspection and service.
- Master keyed locks - one key opens all locks on entrance tube cover, electrical controls and related components.
- Non-clog Norweco pumps - feature semi-open impeller and stainless steel shaft. Impeller cover plate may be easily removed for inspection or internal service.
- Controlled environment pump chamber - dry well is equipped with automatic dehumidifier, thermostatically controlled electrical heater, fresh air vent, forced air exhaust system, internal lighting and sump pump with checked discharge to wet well.

WARRANTY

All Norweco, Inc. wastewater pumping stations include a single source one year warranty and service policy. The equipment is warranted against defective materials and workmanship, under normal use and service, for a period of one year from the date of installation. The warranty is limited to the replacement of any item that proves to be defective during the first year and expires twelve months from the date of installation or fifteen months from the date of shipment, whichever occurs first. Repair charges will apply if the equipment has been disassembled by unauthorized persons, subjected to external damage, improperly wired or flooded.

The initial one year warranty and service policy includes periodic service inspections. Operators are instructed regarding routine operation and maintenance of the equipment during each inspection. The warranty and service policy are designed to provide single source reliability for all equipment. Your complete Norweco wastewater pumping station is covered by the warranty and service program.



OTHER EQUIPMENT FROM NORWECO

LIFT-RAIL® WASTEWATER PUMPING STATIONS

Feature guide rails and telescopic hoist with winch for rapid pump removal and inspection. Available to handle any pumping application - installed and ready to operate in less than a week. Precast concrete construction - eliminates corrosion problems. Controls are installed at ground level in a weatherproof enclosure.

TRAVALAIR® WASTEWATER TREATMENT PLANTS

Featuring Norweco's exclusive TRAVALAIR sludge return and surface skimming system. Flexible in design - capable of serving communities of 10,000 people. Automatic sludge collection and return completely eliminates hopper scraping.

MODULAIR® WASTEWATER TREATMENT PLANTS

Featuring Norweco's exclusive MODULAIR concept designed for today's needs - tomorrow's growth. Tanks are precast concrete covered with galvanized metal grating. Equipment is factory assembled and tested. Ideal for small subdivisions, factories, schools, shopping centers, etc.

LOCAL, FACTORY-TRAINED DISTRIBUTORS

Norweco's Posaprime wastewater pumping stations are sold, installed and service only by factory-trained Norweco distributors. They are fully trained regarding installation of the product and are able to provide all necessary job coordination to insure a simple, economical installation. They have a complete understanding of the product and its application.

Each system is sold complete including delivery, tank setting, equipment installation, station start-up and service. Even a series of service and adjustment inspections, pre-scheduled during the first year of

station operation, is included in the sale. Standard service policies, after the first year, eliminate future problems and provide a COMPLETE SERVICE PROGRAM. Local Norweco distributors and the "CSP" philosophy provide immediate single-source reliability for all equipment and service needs.

Originally founded in 1906 Norweco has years of experience in the pollution control field. "Progress through service - since 1906" sums it up nicely. A quality product - serviced by a local expert - has earned Norweco a reputation for excellence.

DISTRIBUTED BY:

NORWECO.
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 Phone (419) 668-4471
 Fax (419) 663-5440

MCMXCIV Norweco, Inc.

PROGRESS THROUGH SERVICE SINCE 1906