E/One Sewer Systems give engineers, builders, developers, municipal sanitarians and land planners unprecedented new freedom in land usage and sewer rehabilitation. Easy to install. Easy to operate. And easy to maintain. The sensible sewering solution that defies gravity and saves up to 50% – the E/One sewer system.

Environment One’s semi-positive displacement, progressing cavity pump has a nearly vertical H-Q curve. It is by far the most “forgiving” pump design – providing predictable flow over the full range of typical system pressures; strengths critical in a large-scale, low-pressure sewer system.

E/One's superior high head capability allows a system with few, if any, lift stations. And, it easily accommodates additional future connections without compromising system performance.

These E/One pump characteristics translate into:
- predictable hydraulic design
- lower collection system capital costs
- less maintenance
- lower operating costs

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SOME KEY ADVANTAGES:

High Heads/Negative Heads
Industry's most reliable operation – rated for continuous duty at negative head to total dynamic head of 185 ft reduces the number of lift stations and pipe sizes. This cuts costs - both initial and in long-term operation and maintenance.

Constant Flow
The system pressures to be overcome by any given grinder pump in a low pressure system vary dramatically over the course of a day. E/One's progressing cavity pump readily accommodates these pressure variations while maintaining a nearly constant flow without ever operating at "near shut-off" – thus avoiding the wear and motor burn-out suffered by other pump types.

High Grinding Torque
Our unique pump system, driven by a one-horsepower motor turning at 1725 rpm, produces grinding torque greater than a larger horsepower pump turning at twice the speed.

Energy Efficient
The pump is activated automatically and runs for short periods.

Low Maintenance Submersible Motor
Low maintenance and long life are the hallmarks of our oil-filled motor. Permanently lubricated ball bearings and Class F insulation eliminate the need for periodic oil changes and oil disposal costs required by oil-filled submersible motors.

Large-Diameter Grinder Assembly
Almost twice the diameter of most other types of grinder pumps, contributing to a dramatic reduction of inflow velocity for less wear and no clogging or jamming.

No Preventive Maintenance
Non-fluctuating static level sensors require no preventive maintenance. Because of our unique, near constant discharge rate, no main line flushing is required in a properly designed system.

Corrosion Resistance
Corrosion resistance is built into the E/One® design.

Serviceability
Our unique core design eliminates the need for in-field troubleshooting and pump servicing. This means lower maintenance costs and minimum homeowner inconvenience.

Environmentally Sensible. Economically sensible.™

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Environment One Corporation
2773 Baldwyn Road
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Voice: 800-333-4726
www.eone.com

E/One Product Family

E/One sewer pumps are the most widely selected, cost-effective pumps available. They are cost-effective because our pumps are designed to handle nearly any wastewater problem you can imagine. They are the ideal pumps because they are designed to be maintenance-free, energy-efficient and economical. They are the pumps you can depend on because they are built to last, and are the best pumps to own because they save you money.
The D-SERIES

**Performance**
- Design pressure: up to 115 psi (1,725 ft total dynamic head)
- Progressing cavity pump provides predictable flow over varying system pressure
- 1 hp, 1150 rpm, air-cooled motor provides low-speed, high torque operation, eliminating jams
- Field groove, large-diameter grinding mechanism provides low impact velocity, eliminating pump blinding or clogging
- Integral check valve protects against system back pressure, with optional valve facilitates drywell pump applications

**Serviceability**
- No preventive maintenance required
- Quick-release core latch on siphon valve assembly
- Discharge plumbing quickly disconnects from grade level
- Detachable level sensor assembly
- Electrical quick disconnect (EQD) seals and connects without tools; uses single turn locking ring
- Quick-lease core latch on D-Series – no mounting bolts required
- Optical sensor level assembly
- Quick-release core latch on siphon valve assembly
- Ultra-low-speed check valve assembly
- Indestructible level sensor assembly
- Indestructible level sensor assembly
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**Reliability**
- High-diameter D-rings used for lasting joint seals
- Cutting joints designed for corrosion environment
- Indestructible level sensor housing
- Ultrasonically welded check valve assembly
- Superior corrosion protection – both against coating and Class 30 300 series stainless steel
- Weld-free stainless steel stand

**Design**
- Enhanced pump controls: expanded diagnostics, protection, and communications capabilities
- "Core" concept with integral level and motor controls
- Radial D-ring and seal all joints
- Thermally welded discharge assembly for high-pressure performance
- Differential pressure switch level control in separate, removable assembly
- Equatorial compensator for fluctuations in atmospheric pressure while providing stable, water-tight level control system
- Integral check valve and anti-siphon valve assembly
- New, more resilient safety material enables higher pressure rating of 80 psi, using E/One proprietary sl Tower chemistry

**Proof of the pudding is in theoreonets stall quality. Becausof the lawr and highest quality components, we experience gallon avail available.**

**The I-SERIES INDOOR UNIT**

Self-Contained for Indoor Installation

More builders and municipalities are opting for the ease and convenience of the E/One Indoor Unit, which offers easy access along with all the benefits of the D-SERIES. An attractive self-contained unit, the I-Series fits unobtrusively into a basement or garage with a clean, contemporary design that fits right at home with other major appliances. It can be used as part of a new E/One sewer system or retrofit into an existing low pressure or gravity sewer system.

With its quiet, energy-efficient pump and sound insulating properties, the I-Series is easy to way.
Sewer Anywhere and Save

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Easy to install. Easy to operate. And easy to maintain.
The sensible sewering solution that defies gravity and saves up to 50% – the E/One sewer system.

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Energy Efficient.
The pump is activated automatically and runs for short periods.

Low Maintenance Submersible Motor.
Low maintenance and long life are the hallmarks of our oil-filled motor. Permanently lubricated ball bearings and Class F insulation eliminate the need for periodic oil changes and oil disposal costs required by oil-filled submersible motors.

Large-Diameter Grinder Assembly.
Almost twice the diameter of most other types of grinder pumps, contributing to a dramatic reduction of inflow velocity for less wear and no clogging, clogging or jamming.

No Preventive Maintenance.
Non-fluctuating static level extracts require no preventive maintenance. Because of our unique near constant discharge rate, no main line flushing is required in a properly designed system.

Corrosion Resistance.
Corrosion resistance is built into the E/One® design.

Serviceability.
Our unique core design eliminates the need for in-field troubleshooting and pump servicing. This means lower maintenance costs and minimum homeowner inconvenience.

Pressure Sewer Systems

SOME KEY ADVANTAGES:

High-Heads/Negative Heads.
Industry’s most reliable operation – rated for continuous duty at negative head to total dynamic head of 185 feet, reduces the number of lift stations and pipe sizes. This cuts costs – both initial and in long-term operation and maintenance.

Constant Flow.
The system pressures to be overcome by any given grinder pump in a low pressure system vary dramatically with the course of a day. E/One’s progressing cavity pump readily accommodates these pressure variations while maintaining a nearly constant flow without ever operating at “near shut-off” – thus avoiding the wear and motor burn-out suffered by other pump types.

High-Grinding Torque.
Our unique pump system, driven by a one-horsepower motor turning at 1725 rpm, produces grinding torque greater than a larger horsepower pump turning at twice the speed.

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Serviceability.
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Pressure Sewer Systems
The Most Rugged, Longest-Lasting Grinder Pump in the Industry

**DESIGN**
- Enhanced pump control - expanded diagnostics, protection, and communications capabilities
- "Core" concept with integral level and motor controls
- Radial O-ring and wetted parts
- Thermally molded discharge assembly for high-pressure performance
- Differential pressure switch level control in separate, removable assembly
- Equalizer compensator for fluctuations in atmospheric pressure while pumping in a sealed, water-tight level control system
- Integral check valve and anti-siphon valve assembly
- New, more resilient rotor material enables higher pressure rating of 80 psi, using E/One proprietary slat chemistry
- All frames and hardware are made of 300 series stainless steel

**RELIABILITY**
- Huge double-D rings used for lasting joint seals
- Casting joints designed for corrosion environment
- Indestructible level sensor housing
- Ultrasonically welded check valve assembly
- Superior corrosion protection - with anti-scaling coating on Class 30 HDPE construction
- Weld-free stainless steel stand

**PERFORMANCE**
- Design pressures to 80 psi (181 feet total dynamic head)
- Progressing cavity pump provides stable,交付可预测的流量 over varying system pressure
- 1 hp, 1725 rpm, air-cooled motor provides low-speed, high torque operation, eliminating wear
- Field-grove, large-diameter grinding mechanism provides low-speed velocity, eliminating pump blinding or clogging
- Integral check valve protects against system back pressure, with siphon value facilitates downhill pumping applications

**SUSTAINABILITY**
- No preventive core latch on D-Series - no mounting bolts required
- Quick electrical disconnect (EQD) seals and connects without tools; uses single turn locking ring
- Removable siphon valve assembly
- Electrical quick disconnect (EQD)
- Quick-release core latch on D-Series - no mounting bolts required
- Dual seals and connects without tools; uses single turn locking ring
- Detectable level sensor assembly
- Wireless remote control available using intuitive coupling
- Discharge plumbing quickly disconnects from grade level
- Backward compatibility to earlier generation/designs
- Air-filled motor more efficient than oil-filled motors and eliminates head change and disposal of oil
- One pump for all series
- Backward-compatible EQD

**W-D SERIES**
- Versatile/Drywell for Superior Serviceability
- The E/One W-Series features a versatile/drywell design that provides a dry accessibility for ease of service. Plus a modular design and one-piece core that permits simple care replacement - should it ever become necessary. Available in single and duplex grinder pump stations to fill a wide variety of applications, from single-family homes to commercial applications to several homes in conjunction.

**SERVICE ABILITY**
- No preventive core latch on D-Series - no mounting bolts required
- Electrical quick disconnect (EQD) seals and connects without tools; uses single turn locking ring
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**THE W-SERIES**
- Engineered for choice.
- The W-Series is E/One’s most versatile grinder pump station – a range of basins, innards, discharge, tanks and panels are available. Simple through quadruple stations work with single homes, light commercial applications, or several homes.
- The W-Series allows you to choose the individual components for optimal installation and performance for your site’s conditions. whatever tank size is needed, many features result in a geographic configuration panel options can be adjusted to your specific needs. W/compact stations can have one pump or up to four pumps, depending on the tank chosen.

**Simplex Stations**
- Grinder pump stations (not shown) construction
- Station capacities of 100, 237 and 476 gallons available
- Various station heights available

**Multiple-Pump Stations**
- HDPE construction
- Station capacities of 476 and 486 gallons available
- Station capacities of 476 and 486 gallons available
- Various station heights available

**THE I-SERIES**
- All-new, ENERGY STAR®-rated Series. An attractive self-contained unit, the I-Series offers easy access along with all the benefits of the D-Series. A distinctive self-contained unit, the I-Series fits unobtrusively into a basement or garage with a clean, contemporary design that feels right at home with other major appliances.
- It can be used as part of a new E/One sewer system or retrofit into an existing low pressure or gravity sewer system.

With its quiet, energy-efficient pump and sound insulating properties, the I-Series is easy to live with.

**THE I-SERIES INDOOR UNIT**
- Self-Contained for Indoor Installation
- More builders and municipalities are opting for the ease and convenience of the E/One Indoor Unit, which offers easy access along with all the benefits of the D-Series. An attractive self-contained unit, the I-Series fits unobtrusively into a basement or garage with a clean, contemporary design that feels right at home with other major appliances.

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The D-SERIES

Engineered for choice.

The D-Series is E/One’s most versatile grinder pump station—a range of basins, inlets, discharges, tanks and panels is available. Simple through quadruple stations work with single homes, light commercial applications, or several homes.

The W-Series allows you to choose individual tanks for optimal installation and performance for your site’s conditions. Whatever tank size is needed, many features from discharge configuration to panel options can be adjusted to your specific needs. W-composite stations can have one pump or up to four pumps, depending on the tank size.

The W-Series fiberglass tanks offer a multitude of station volumes and heights with diameters from 24 inches to 72 inches, and heights from 60 inches to 240 inches.

* Please visit www.eone.com for application and flow information.

THE I-SERIES INDOOR UNIT

Self-Contained for Indoor Installation

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Simplex Stations

• fiberglass wetwell (not shown) construction
• Station capacities of 100, 237 and 476 gallons available
• Various station heights available

Multiple-Pump Stations

• HDPE construction
• Station capacities of 476 and 486 gallons available
• 476-gallon tank allows for 1 or 2 pumps
• 486-gallon tank allows for 2, 3 or 4 pumps
• Various station heights available

THE W-SERIES

Engineered for choice.

The W-Series is E/One’s most versatile grinder pump station—a range of basins, inlets, discharges, tanks and panels is available. Simple through quadruple stations work with single homes, light commercial applications, or several homes.

Using E/One’s advanced design and one-piece core that permits simple core replacement—should it ever become necessary. Available in Single and dual grinder pump stations to fill a wide variety of applications, from single-family homes to common commercial applications to several homes in conjunction.

The tanks are made from tough, corrosion-resistant HDPE for long life and zero leakage. Station capacities of 70 gallons to 500 gallons are available.

The D-Series features a compact/efficient, dry-run design that provides a dry assembly for ease of service. Plus a modular design and one-piece core that permits simple core replacement—should it ever become necessary. Available in Single and dual grinder pump stations to fill a wide variety of applications, from single-family homes to common commercial applications to several homes in conjunction.

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The W-Series allows you to choose individual tanks for optimal installation and performance for your site’s conditions. Whatever tank size is needed, many features from discharge configuration to panel options can be adjusted to your specific needs. W-composite stations can have one pump or up to four pumps, depending on the tank size.

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A Precision Castparts Company
LM000365 Rev D

High Pressure Sewer Systems
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CONSULT FACTORY FOR INTERMITTENT USE ABOVE 80 PSI OR 185 FEET TDH
LOW PRESSURE SYSTEM DESIGN PRESSURE