092215

E/ONE PUMPS

f.r. mahony & associates, inc.
frma water supply and pollution control equipment
273 Weymouth Street·Rockland, MA 02370

tel. 781.982.9300
fax. 781.982.1056

info@frmahony.com
www.frmahony.com

Station Pricing - With Basic or Generator Transfer Panel and 3 year warranty on DH071 station.

Note: IH091-IDU has Factory 5 year warranty standard

Station Model	Cost	Bal-Last Ring Installed	Total	Warranty
DH071-93 Basic	$3,288.00	$341.00	$3,629.00	3 Year as Requested
DH071-93 Gen Xfr.	$3,477.00*	$341.00	$3,818.00	3 Year as Requested
IH091-IDU Indoor	$3,299.00	NA	$3,299.00	5 year standard
IH091-Indoor Gen	$3,702.00**	NA	$3,702.00	5 Year standard

- Prices based on 32 foot supply cables. Longer cables available 50, 75, 100 ft. (see cable adders bellow) Start Up inspection, 4 foot discharge whip and coupling.
- Prices based on fixed price for 36 months or 9/15/2018 whichever comes first.
- Price does not include freight
- Price does not include sales tax

Options-

Description	Applicable to Station	Cost
50 foot power cord	DH071 Outdoor station	$23.00
75 foot power cord	DH071 Outdoor station	$57.00
100 foot power cord	DH071 Outdoor station	$90.00
Generator Transfer Panel Adder	DH071 station	$189.00*
Generator Transfer Panel	IH091- Indoor Station	$403.00**
Remote Sentry Battery Alarm	IH091-IDU	NC Included standard
Remote Sentry Battery Alarm	DH071 Outdoor Station	$171.00
*Brown Out Protection Option	DH071 and IH091 Station	$127.00

- Prices based on fixed price for 36 months or 9/15/2018 whichever comes first.
- Price does not include freight or sales tax

*Our products have been designed with consideration of the power loss issues that have rocked our region in the past. While most utilities are very reliable and power loss is rare, the recent severe weather has caused some memorable events. Lunenburg has not escaped these events in the past.

We offer our Sentry Protect panel features to protect pump motors from low voltage, line surge and inadvertent closed valve conditions. These systems have been tested in communities such as Oak Bluffs and Cohasset, MA. Both communities suffered from issues of main line closure and phase loss and low voltage respectively. The Protect Panels provide full pump protection and prevented motor and pump failures that could have resulted from these events. We believe that the Sentry Protect Panel with the ability to connect a portable Generator is a valuable asset to providing reliable service.

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There are a number of options requested and available in item # 2 and we will do our best to provide the best options to meet your needs.

This offering is based on two options for pump models.

Outdoor model –

- **DH071-93** Drywell/Wet well configuration, simplex grinder pump. This station was the basis of the design for the Lunenburg sewer system for the Pratt Street & Lakeview Avenue Service Area. This station utilizes a semi-positive displacement pump with large, 5-1/2 inch inlet grinder which provides for tank mixing and high torque solids grinding. Our semi-positive displacement pump is designed to operate to pressures in excess of 80 psi or 185 feet of head.
- This station is fully assembled and tested at the factory in Niskayuna, NY. The double wall, HDPE (high density polyethylene) basin is ready to install with only field piping and wiring required.
- These stations have a separate accessway dry well above the wastewater level. Access to the wastewater is secured by our pump core to prevent accidental contact. The top cover is secured with stainless steel hardware.
- Each station is provided with our Sentry Alarm Panel with 32 foot power supply cable (see options) and is generator ready in times of need.
- The Sentry Alarm panel (option below) provides for low power/brown out protection to protect your investment from potential power loss issues.
- Included with each pump system is full start up inspection following installation; included visual inspections, electrical testing of pump operation and alarms.
- Each pump comes with 4 foot by 1-1/4 inch discharge whip and connection coupling to connect to the stainless steel discharge piping.
- Inlet piping grommet is standard 4-inch SCHEDULE 40 PVC
- **These stations are fully certified by UL, NSF, and CSA as <u>complete assemblies</u> for product safety and reliability.**
- Pumps are generally in stock or within 2 weeks from our factory in Niskayuna, NY

PROUDLY MADE IN AMERICA
WITH DOMESTIC & IMPORTED MATERIALS

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Indoor model-

- **IH091-IDU** low profile double wall sealed and vented HDPE basin with inlet and discharge isolation valves provided.
- This station performs in the same manner as the outdoor station utilizing a semi-positive displacement pump with large, 5-1/2 inch inlet grinder which provides for tank mixing and high torque solids grinding. Our semi-positive displacement pump is designed to operate to pressures in excess of 80 psi or 185 feet of head.
- Each station is provided with our Sentry Alarm Panel with 12 foot power supply cable (see options) and is generator ready in times of need.
- The Sentry Alarm panel (option below) provides for low power/brown out protection to protect your investment from potential power loss issues.
- The tank is shipped separately to allow for ease of installation and only requires that the pump core be securely bolting in place following field wiring and plumbing.
- Included with each pump system is full start up inspection following installation; included visual inspections, electrical testing of pump operation and alarms.

- Included with the alarm panel is our redundant battery operated Sentry Advisor alarm system which is fully functional even during power failure.
- This station is ideal for lots with limited space for an outdoor station or for home looking to add basement facilities.
- **These stations are fully certified by UL, NSF, and CSA as complete assemblies for product safety and reliability as well fully approved for use by the Massachusetts Board of Gasfitters and Plumbing Examiners for use in the home.**
- This station comes with a full 5 year warranty as standard feature.
- Pumps are generally in stock or within 2 weeks from our factory in Niskayuna, NY

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Purchasing a Pump & Scheduling Deliveries

FRMA can schedule delivery following your request if the Town is to receive and handle deliveries. Otherwise we will stock pumps in our warehouse and provide pumps as needed during this period of time with appropriate freight and sales tax.

We will stock units based on expected orders but ask your assistance in letting us know when specific areas will be ready for connection.

To order a pump a resident can call our office in Rockland, MA @ **781-982-9300** and dial **extension 31** for Ellen McColgan (Inside Sales Coordinator) or Jess Obert at extension 29. They will take payment and delivery information and schedule the delivery.

We will provide a pump orientation sheet to verify the inlet pipe size and location as well as the power supply cable length needed.

Payment may be made to F.R. Mahony & Associates, Inc. 273 Weymouth Street, Rockland, MA, 02370. We will accept payment by check, certified check or major credit card. Once the payment is received we will release the pump for delivery. Payments may be made by the contractor/drainlayer, or owner as may be otherwise arranged between these parties.

We will need to know the proper shipping address and any special instructions prior to delivery. We will need to coordinate with the contractor to off-load the pump.

The pumps will be delivered with the concrete Bal-Last as is required in the installation instructions. Installers may opt to use pre-cast or poured in place concrete following the installation manual as an option. Ballast is required to secure all light weight pump basins in groundwater conditions.

The pump will be provided with the tank and pump installed with a standard 32-foot power supply cable unless longer cable is requested. Additional cable lengths are available for a nominal charge. Should homeowners need to have longer cables, we will have them available in lengths of up to 100-feet.

The pump will be supplied with a simplex Alarm panel that requires a 30-Amp, 240-volt power supply from the house main. Full wiring instructions are provided with the station as well as mounted on the inside panel door.

For sales assistance and ordering please call the FRMA inside sales team

781-982-9300 **Ext. 31 Ellen McColgan**
Ext. 29 Jess Obert

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Service and Reliability-

Environment One Corporation enjoys a Mean-Time-Between Service Calls of over 8-10 years. Our own local experience shows this to be true with communities enjoying longer use before service. We offer the lowest cost of ownership of any grinder pump manufacturer. Our products are generally serviceable on-site and are covered by a full parts and labor warranty against manufacturing defects. Our warranty is the most comprehensive on the market. If your pump needs more time for service, we provide and install loaners so you are not out of service.

Pumps do not require routine service. There are no floats or level probes to clean. There is no oil change of pump motors. These units are connected in place of your septic tank and will process and deliver all of your wastewater to the Lunenburg Sewage Collection System. With normal use this appliance will last for many years. Owners are advised to follow user instructions and observe the list of materials to avoid placing down the drain or bowl.

Reliability begins with the right product for the application. The next most important factor includes proper installation. All pump stations provided in this proposal include start up inspections. This is built into the purchase price. Our local service technicians test and operate the system to assure that all is in proper working order.

Start-up procedure:

To schedule start-up inspection owners or their contractors can call our service center in Southbridge, MA @ **508-756-0051**. Dawn Marcinkus is our Service Coordinator and she will verify that all is ready for start-up and schedule this either with our service people or local service provider.

Some common questions regarding start-up:

Q: ***Can we use the system if it is not inspected?***
A: When the system is installed and wired and all valves are open (curb stop at the street) the pump may be turned on and used. A start-up inspection serves to verify that all is operating normally and that there are no outstanding issues with the pump. All valves must be open prior to turning the pump on. Failure to do so could damage the pump and void the warranty.

Q: ***How much notice is needed to schedule a start-up?***
A: We like at least 24-48 hour notice to schedule a start-up. If a unit is to be installed and ready, please call ahead to make arrangements. We schedule emergency service and service calls as a first priority to start-up service.

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Q: ***I am selling my home and need a start-up before my closing date, what do I do?***
A: Lets us know of any special circumstance so we make arrangements. If we are not informed of this need, we will schedule normally as explained above.

Q: ***What does start-up cost?***
A: Each pump is sold with one start-up inspection included. We do not charge for this service unless there is a need to repeat the inspection if the pump is not ready as scheduled or if a follow up inspection is needed to correct improper installation issues.

Q: ***What is done at start-up?***
A: The pump will be run through a number of pump cycles and checked for proper voltage and amperage during these running conditions. The alarm system will be tested and any deficiencies will be noted on a start-up checklist.

Q: ***Does start-up include installation inspection?***
A: No. The installation of the pump and service piping are locally controlled. We cannot be at every installation to witness all phases of the work. Contractors are trained to properly install these systems prior to being permitted to install them in Lunenburg. This is the best way to assure proper installation. Full installation instructions are provided with every pump.

We hope this will help with answering questions from your residents. We appreciate the opportunity to make this system a success for all.

If you have additional questions please call our Rockland office or call me directly at (978) 597-0703. My direct line will forward to my cell phone if I am not at my desk.

Best regards,

Henry Albro

Senior Application Engineer
978-597-0703

Installation information may also be found at www.frmahony.com

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Why E/One?

When Environment One developed their D Series household grinder pump with Dry Well Accessway they paid attention to details and applied knowledge gained over 45 years of in the ground experience.

Features:

- Sealed wet well below accessway
  - No corrosion to controls
  - No odors leaving the station
  - Separate venting to wet well
- Electrical Quick Disconnect at top of station
- Fully removable pump core
  - No confined space entry required
- Stainless steel discharge pipe and pump removal piping
  - Long lasting
- Easy to handle nylon lift harness (not shown)
  - No confined space entry required
- Easy to remove pump core with quarter turn locking system
  - No confined space entry required
- Adjustable accessway height in 3–inch intervals
- What matters most is the safety of double access with bolted top access covers and the sealed upper accessway.

Or you could do what our competitors do.

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Rockland, MA 02370
tel. 781.982.9300
fax. 781.982.1056

30 DuPaul Street
Southbridge, MA 01550
tel. 508.765.0051
fax. 508.765.1244

41 Bayberry Hill Road
West Townsend, MA 01474
tel. 978.597.0703
fax. 978.597.0704

140 Country Walk Road
Schenectady, NY 12306
tel. 774.402.0354
fax. 518.356.3266

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Why E/One?

- E/One invented and developed the pressure sewer/low-pressure sewer industry over 45 years ago. We are the most widely used and specified grinder pump by far. We are the industry leader.
- E/One wrote the book on design of pressure sewers and is the most widely accepted expert in the pressure sewer industry. As the Trusted Advisor, we are involved with the application from conception to installation and beyond.
- E/One has been and remains the industry leader worldwide in pressure sewer systems and support and has sales and service in over 39 countries around the globe. We have over 550,000 E/One systems in the world ranging in size from 1 unit to 7,000 connections.
- E/One is the standard by which others attempt to compare. Our system is maintenance free, fully automatic and designed specifically for the application.
- E/One is made locally in Niskayuna, NY (suburb of Albany). We have been made in America, in the same facility since 1969.
- E/One is solely focused on pressure sewer systems as their business model. Sole LPS Focus. This is all we do. We are committed to the application and customer because our survival as a company depends on it. When you choose E/One you don't get just a trusted partner. You get a lifetime relationship.
- E/One sewers have the most reliable, documented service record in the industry with a mean-time between service calls of 8-10 years. We have demonstrated data to prove annual O&M costs of less than $50 including power usage.
- E/One offers the most comprehensive warranty in the industry including parts and labor on site. You don't have to send your grinder pump to the factory for parts only replacement! Unlike other companies, we do not require that you return the pump yourself. E/One's warranty is the most comprehensive in the industry.
- E/One Drywell access stations provide added safety with secondary access to the wastewater pump chamber avoiding confined space maintenance issues.
- E/One products are fully certified to be safe and reliable as complete assemblies by UL, NSF, CSA, IAPMO, Massachusetts Plumbing Examiners and many more.
- **Learn More www.eone.com**

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Why FRMA?

- FRMA has been a leading sales and service provider for E/One for over 38 years
- FRMA provides sales and service for the six New England States
- FRMA has local stocking and service facilities in Rockland and Southbridge, MA
- FRMA service technicians are fully trained and arrive with fully stocked vehicles with factory authorized parts and loaners if needed.
- FRMA Sales staff has over 100 years of combined expertise in system design, layout and installations.
- FRMA has been with your project from the beginning, providing design modeling and detail support to your engineers and Sewer Commission.
- FRMA provides full training of installers
- FRMA provides support components and materials to compliment the system.
- FRMA provides with every pump sold, on-site start up inspection to make sure your system is fully functional following start up.
- FRMA is there after the start up as a fully stocked and authorized service and warranty center.
- Ask any of our over 50,000 installations in the New England area, and they will likely tell you of the support and service of E/One and FRMA.
- FRMA continues to grow and improve. With projects ranging from single home connections to hundreds of homes in common systems, our experience is second to none.

- **Learn More** www.frmahony.com

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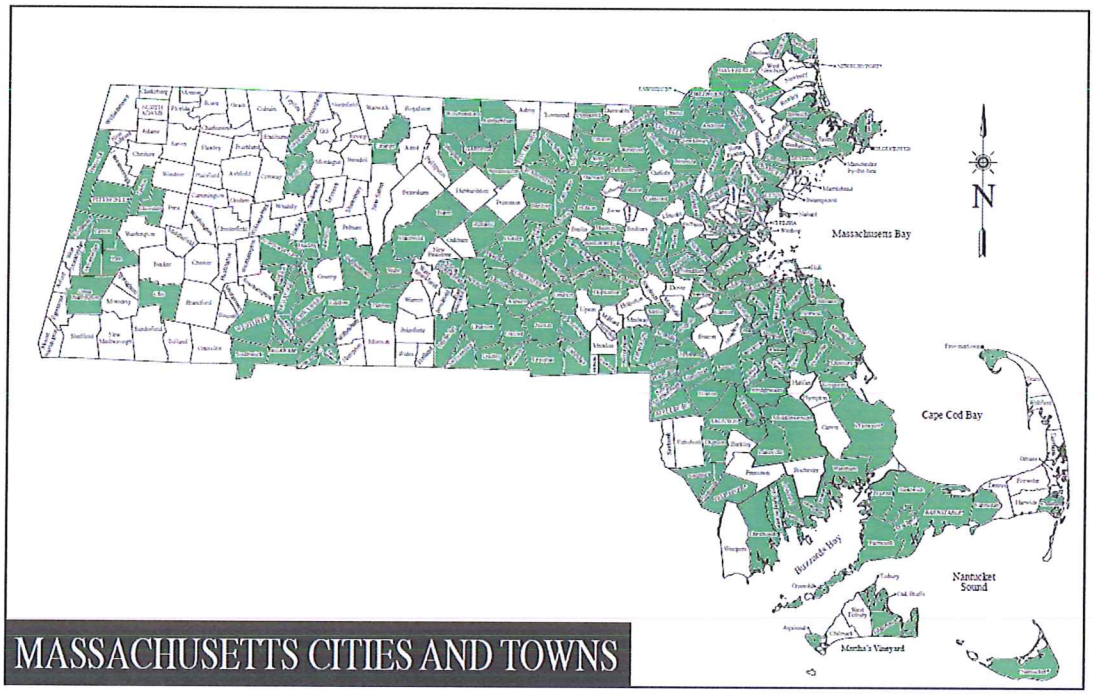
We are measured by the company we keep.



Some pretty nice people throughout the Commonwealth have found the benefits of Environment One Pressure Sewers to be helpful to them. Maybe you know someone?
Let us help you with your pressure sewer needs.

Call us today:

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