LPS

trykkavløpsystem

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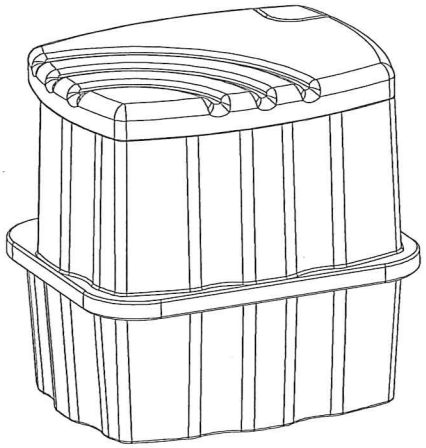
E/One Sewers™

Home Wastewater Disposal System



U.S. & foreign patents issued and pending.

* Discharge data includes loss through check valve, which is minimal.

Printed in USA on recycled paper

LM000158 Rev. B, 1/02

General Applications

The size, efficiency and operating economy of the Home WasteWater Disposal System make it your best choice for indoor installations for single dwellings, waterfront property and subdivision developments. The Home WasteWater Disposal System is ideally suited for new communities.

General Features

The System is a complete unit that includes: the grinder pump, check valve, inlet and discharge valves, HDPE (high density polyethylene) tank and controls. The System is packaged into a complete unit, ready for installation.

All solids are ground into fine particles, allowing them to pass easily through the pump, check valve and small diameter pipelines. Even objects that are not normally found in sewage, such as plastic, rubber, fiber, wood, etc. are ground into fine particles.

The 1 1/4-inch discharge connection is adaptable to any piping material, thereby allowing us to meet your local code requirements.

The tough, corrosion resistant tank is made of HDPE. The 91-gallon tank capacity is based on computer studies of water usage patterns and provides for additional storage.

The internal check valve assembly, located in the grinder pump, is custom designed for non-clog, trouble-free operation.

The grinder pump is automatically activated. It runs infrequently for very short periods. The annual energy consumption is typically that of a 40-watt light bulb. The unit is designed for indoor installation.

Operational Information

Motor

1 hp, 1725 rpm, high torque, capacitor start, thermally protected, 120/240V, 60 Hz, 1 phase.

Inlet Connections

4-inch PVC socket weld.

Discharge Connections

Pump discharge terminates in 1 1/4-inch NPT female thread. Can easily be adapted to 1 1/4-inch PVC pipe or any other material required by local codes.

*Discharge**

15 gpm at 0 psig

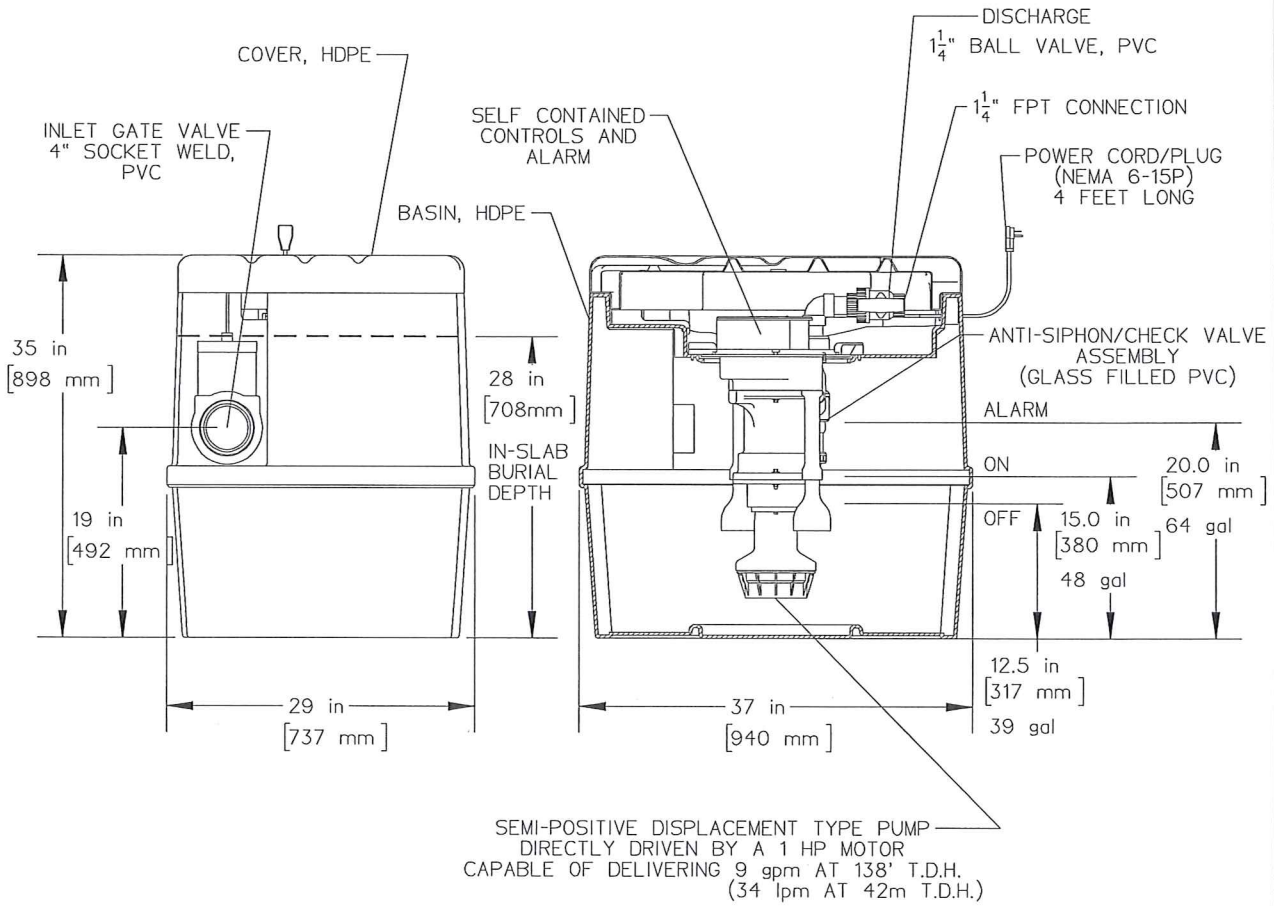
11 gpm at 40 psig

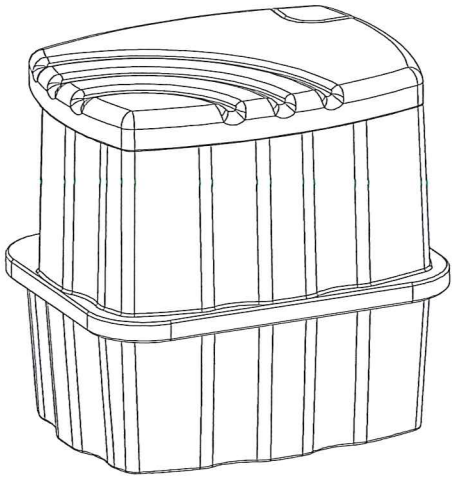
9 gpm at 60 psig

Overload Capacity

The maximum pressure that the pump can generate is limited by the motor characteristics. The motor generates a pressure well below the rating of the piping and appurtenances. The automatic reset feature does not require manual operation following overload.

2010 -IDU





BASIN CAPACITY = 91 GALLONS

SGS	CAH	8-15-01	B	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE

SEWER SYSTEMS

2010-IDU, DETAIL SHEET

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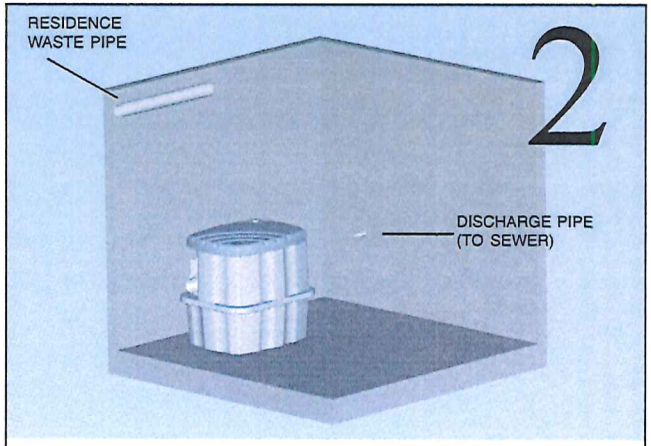
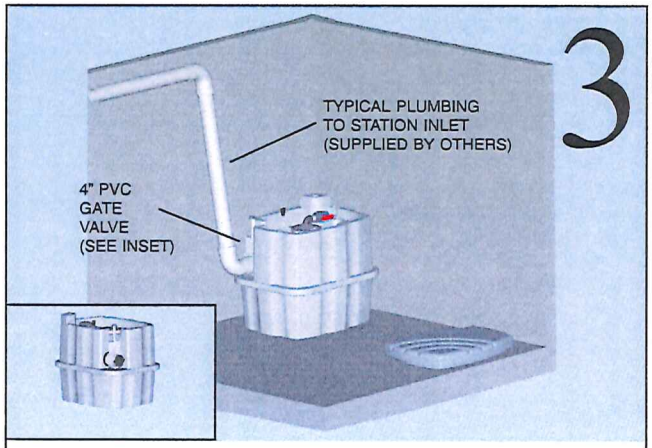
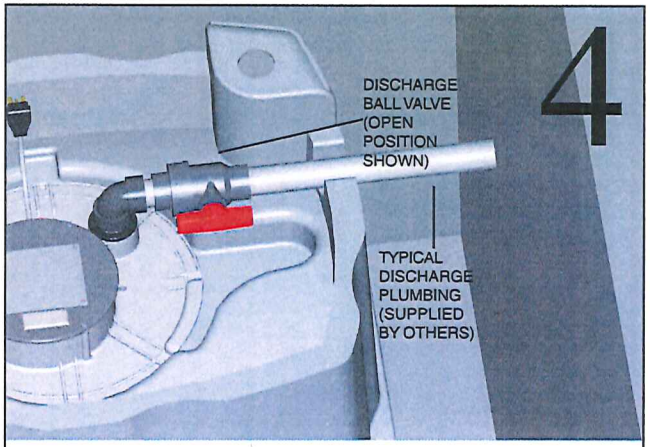


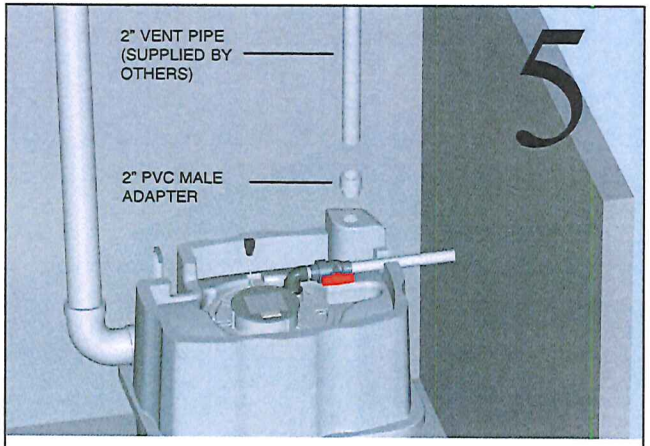
Place unit on basement floor, position based on the orientation of existing sewer/waste pipes. If the unit will be installed in an area where the alarm may not be seen or heard, the Remote Sentry Alarm Module should be installed.



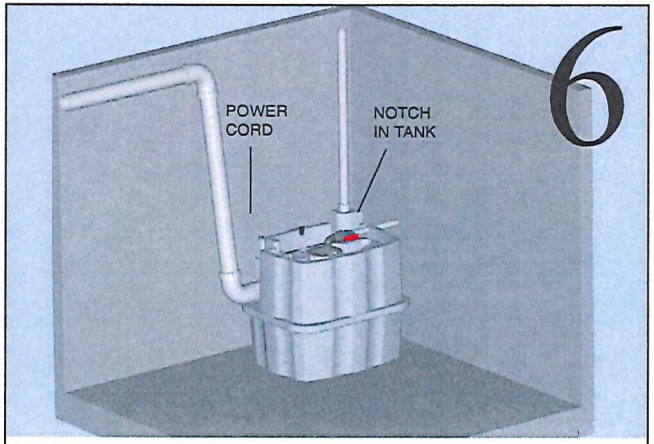
Remove the station lid. Connect residence waste line to 4" gate valve. Follow standard practices for PVC solvent welds per all local and national plumbing codes. Make certain that the gate valve is secured in the open (handle up) position.



Connect discharge plumbing; the piping must be PVC pressure pipe with a minimum working pressure rating of 200 psi. Make sure the ball valve is in the open (handle horizontal) position.

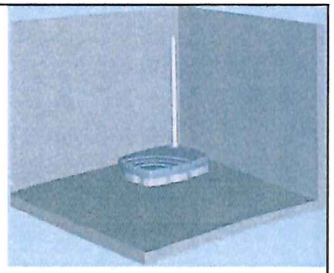


Install 2" PVC male adapter fitting (supplied) and 2" PVC vent pipe per all national, state and local codes. Pipe dope or teflon tape must be used on all NPT connections.



Run the power cord along the discharge line and through the notch in the tank exiting the station. Plug lead into a 240-volt wall socket. Simplex wall socket must be wired directly to a dedicated circuit breaker, 240V, 15A minimum, in home's panel. Power cord has a NEMA 6-15 type plug. Proceed with "StartUp Procedure."

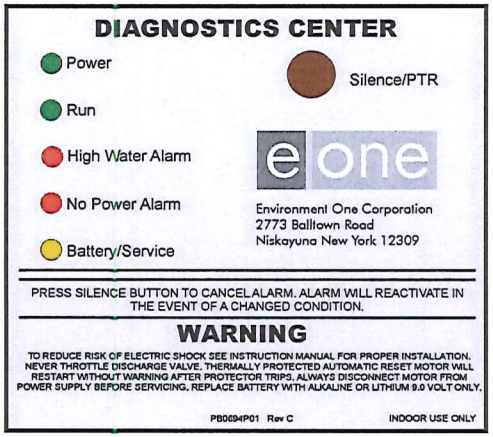
For In-Slab Installations



1. Remove the 4" PVC gate valve from the unit, to be installed at the lowest point of the inlet lines above the slab. The 4" inlet pipe runs directly into the station through the existing grommet and will be encapsulated by cement. (See on-slab installation, Step 3)
2. Place the tank in the ground so that the final concrete grade will be 4 inches from the top surface of the tank when the lid is removed.
3. Install any plumbing that will be below the slab per all national and local plumbing codes.
4. Cover the control cavity/dry well prior to pouring cement. Do not allow cement to enter the control cavity/dry well.
5. Pour cement around the station.
6. Continue with steps 5 and 6 of the on-slab instructions.

StartUp Procedure

1. Turn off circuit breaker that supplies power to station.
2. Remove station cover. Open battery compartment and install battery according to Diagnostics Center instructions. Close battery compartment. After approximately 15 seconds, the No Power Alarm should activate with a light and chirp, and will repeat every 15 seconds.
3. Ensure gate valve and ball valve are open.
4. Fill with water until "High Water Alarm" activates (approximately 70 gallons).
5. Plug in AC power cord and turn on circuit breaker. A louder audible alarm will sound; push the "Silence/PTR" button. The "Run" and "Power" LED's will illuminate.
6. After a few minutes the "High Water Alarm" LED will stop flashing; the pump will turn off after a minute.
7. Push and hold the "Silence/PTR" button for 5 to 10 seconds. The pump should activate after 5 seconds and deactivate when the button is released. IMPORTANT! Release the button as soon as the pump turns on. This step is only to test the "PTR" feature.
8. Replace the station cover. The unit is ready for normal use.



If Pump does not Turn On:

- Verify the breaker that supplies power to the station is on.
- Verify the voltage at the wall socket is that required for your model pump.
- Verify a secure connection at the wall socket.
- Verify the gate (inlet) valve is open.
- Call your local authorized service center if you cannot determine the problem.

If the Pump does not Turn Off:

- Verify the ball (discharge) valve is open.
- Verify the water is not running.
- Verify that nothing is resting on the "Silence/PTR" button.
- Call your local authorized service center if you cannot determine the problem. Or, call E/One's toll-free service link at 1-866-539-9803.

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PD0290P01 Rev F

E/One 2010–IDU
Indoor Unit

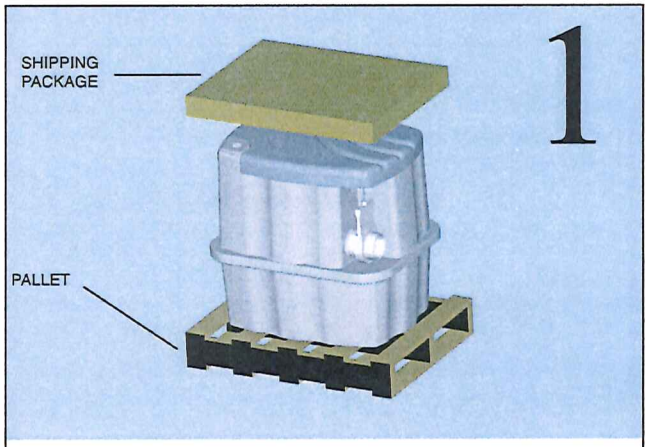
Installation & StartUp

The Environment One Grinder Pump is a well-engineered, reliable and proven product. Proper installation ensures years of trouble-free service. The following instructions define the procedure for installing the model 2010-IDU Home WasteWater Disposal System. These instructions cover on-slab and in-slab installations.

This is a sewage handling pump and must be vented in accordance with local plumbing codes. This pump is not to be installed in locations classified as hazardous in accordance with National Electric Code, ANSI/NFPA 70. All piping and electrical systems must be in compliance with applicable national, state and local codes.

Required Materials:

- PVC cement
- PVC primer
- Pipe wrench, saw or PVC pipe cutter
- Knife or sheet rock blade
- Pipe dope or teflon tape



Remove unit from shipping package. Remove and discard banding and plastic wrap. Use caution sliding the unit off the pallet.