



## SEWER PUMP INFORMATION FOR SOOKE RESIDENTIAL PUMP USERS



Careful consideration was given in choosing the E-One pump for Sooke's residents with a focus on product reliability and ease of service. These pumps have a proven track record throughout the Western Communities and in various BC cities, such as Kelowna, Invermere, and Langford.

### Warranty Coverage

One of the most important factors in choosing these pumps was guaranteed local **24-hour warranty support** through E-One factory trained technicians at Osborne Electro-Mechanics Ltd. of Victoria. They have assured us of a supply of readily available replacement pumps and spare parts inventory with prompt back up from the pump supplier, John Brooks Ltd., in Vancouver.

These pumps come with a two-year warranty on parts and labour, so if you have any problems or concerns please contact Osborne Electro-Mechanics, the pump warranty depot, at following number:

Osborne Electro-Mechanics Ltd.  
#107-2740 Bridge Street  
Victoria, BC V8T 5C5  
24 hour emergency service Phone: 250-386-3381  
Contact: Dan Osborne

### Care and Use of your Pump

The E-One pump level controls are operated by a non-contact, non-fouling pressure switch. This means that there are no floats to rinse or clean, making the pump virtually maintenance free for the homeowner. When service is eventually required, the one-piece core, which contains the pump, level and motor controls, check valve, and anti-siphon valve, can be easily accessed and removed.

The following items **should not be introduced** into any sewer, either directly or through a kitchen waste disposal unit:

- Glass
- Diapers, socks, rags or cloth
- Metal
- Goldfish stone
- Plastic objects (toys, utensils, etc.)
- Seafood shells
- Sanitary napkins or tampons
- Kitty litter



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In addition, you must never introduce into any sewer:

- Explosives
- Strong chemicals
- Flammable material
- Gasoline
- Lubricating oil and/or grease

### Power Outages

The individual pump systems are designed to handle regular power outages with appropriate precautions by homeowners. Depending on the level in the pump chamber when the power goes out, a **family of four** will have **12 to 24 hours of storage capacity** before pumping is necessary (24-48 hours for a family of two). This is based on the assumption of minimal water usage:

- one or two flushes per hour only
- no showering or bathing, dishwashing or laundry
- limited water down kitchen and bathroom drains

During the December 15/06 storm, BC Hydro advised that power could be interrupted for between four and seven days. Because of this exceptional length of time and the state of emergency called in the community, emergency support was provided to those on pumped systems. The Provincial Emergency Plan funded this effort, which is not available or required during normal power outages.

### Periods of Disuse

If your home or building is left unoccupied for longer than a couple of weeks, perform the following procedure:

1. Purge the system.
2. Run clean water into the unit until the pump activates.
3. Immediately turn off the water and allow the grinder pump to run until it shuts off automatically.

Caution: Do not disconnect power to the unit.



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### Pump Information

- Pump system consists of a grinder pump, check valve, high density polyethylene (HDPE) tank and electrical control panel
- Tank has 80 gallon capacity - inlet to tank was raised at our request to gain extra capacity from approx 70 gallons
- Visual and audio alarm system for high water level in tank
- Operates on a pressure system rather than using a mechanical float

### Electrical Information

- System needs a 30 amp breaker
- Annual energy consumption is typically that of a 40 watt light bulb

Detailed information on pumps is on the following websites:

[www.district.sooke.bc.ca](http://www.district.sooke.bc.ca)

[www.epcor.ca/Communities/BCPNW/Operations/WaterandWastewater/Sooke.htm](http://www.epcor.ca/Communities/BCPNW/Operations/WaterandWastewater/Sooke.htm)

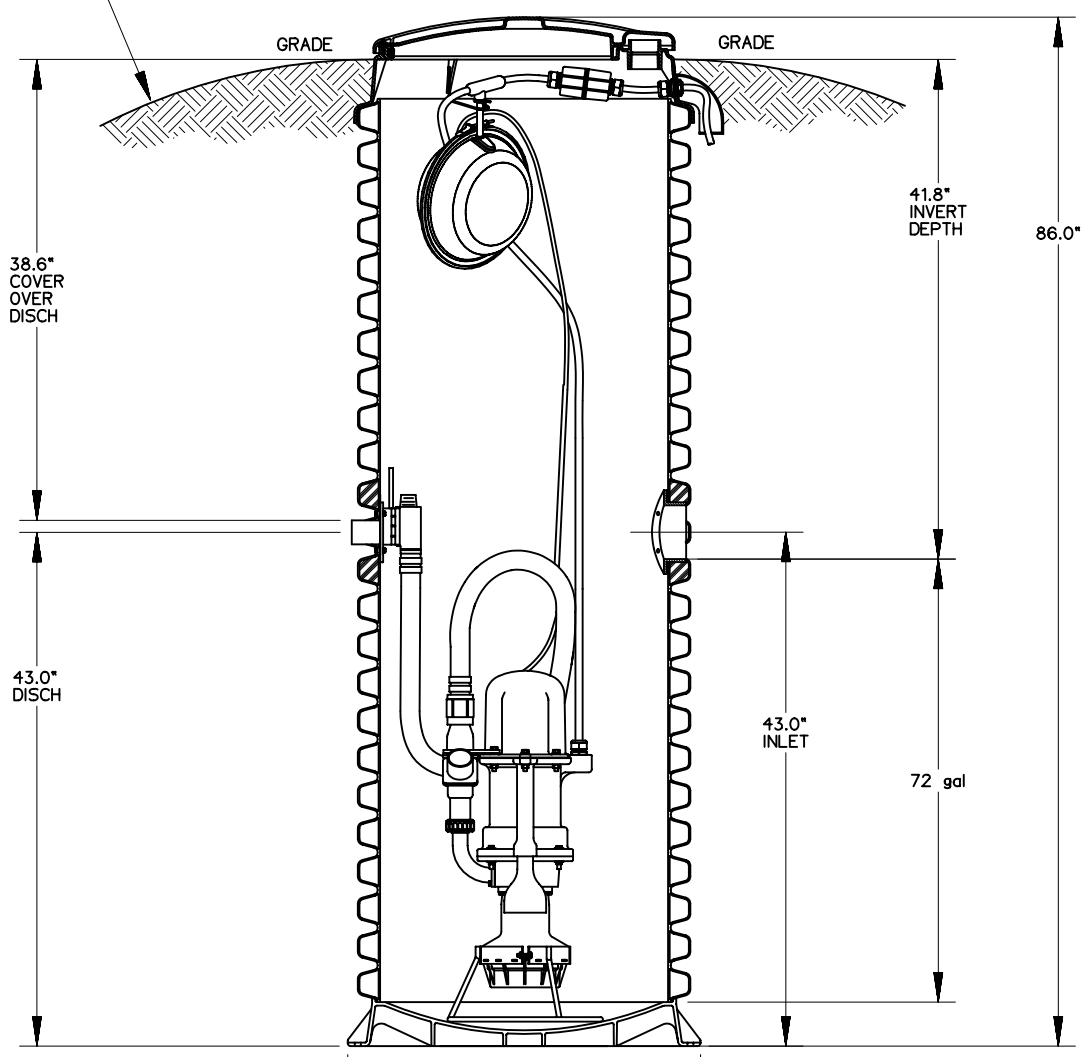
[http://www.eone.com/sewer\\_systems/intro/features.htm](http://www.eone.com/sewer_systems/intro/features.htm)

For more information, contact:

EPCOR Sewer Hotline at 642-6300.

# 1010-86

GRADE MUST SLOPE AWAY FROM STATION



DISCHARGE: 1-1/4 FEMALE SOCKET

Ø 29.5"

INLET: PVC FLANGE FOR 4" DWV PIPE (STANDARD)



## BALLAST REQUIREMENTS

A CONCRETE ANCHOR IS REQUIRED ON ALL MODEL 1010-86 STATIONS  
 SPECIFIC CONCRETE DIMENSIONS ARE REQUIRED TO ACHIEVE NECESSARY BALLAST EFFECT  
 SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

SGS		10/31/05	2	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE



MODEL 1010-86  
 RAISED INLET & DISCHARGE

ESD 05-0102