



**Which pump should I use?
 Do I use an indoor pump or an outdoor pump?**

Homeowners have many options when it comes to selecting the proper grinder pump for their home. F. R. Mahony & Associates, Inc. can help with this selection. The following general guidance may help you make the proper selection.

There are a number of factors to be considered. The existing conditions of the home and the lot play a major role in this selection. The Environment One products, developed nearly 40 years ago, were initially intended for indoor use. Not all homes could modify plumbing or make the internal changes required in existing homes. This prompted the development of the outdoor accessway stations. Many E/One applications have been for connection of regions with failing septic systems with existing homes. This made the more common installation fit the outdoor stations.

INDOOR PUMP Benefits and Options:

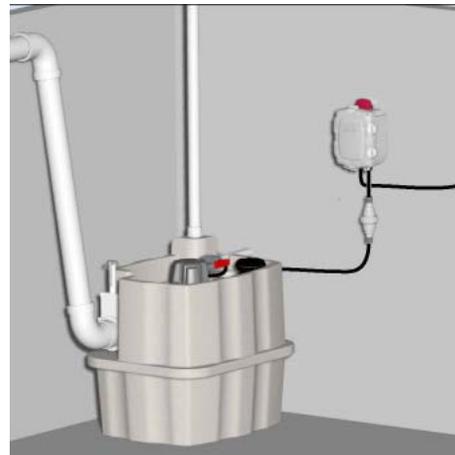
Indoor stations may fit approximately 25% of current and new home construction applications. Generally new homes can plan the building plumbing to better accommodate an indoor pump.

Regions with basements are more likely to consider indoor pump stations. These stations can aide in "whole house plumbing" to collect drains from basement fixtures adjacent to family rooms or walk out basement uses.

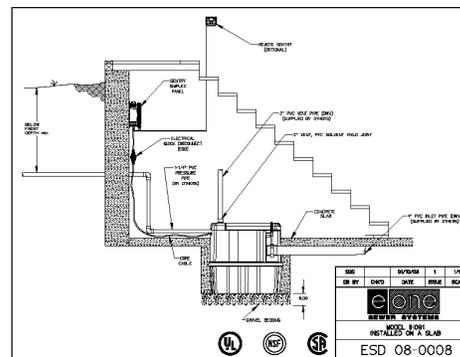
The indoor stations can result in a savings of installation by avoiding excavation in difficult terrain. Interior plumbing and electrical connections are relatively easy to make.

The station cost is reduced by eliminating the top accessway extension and associated excavation to place the station outdoors. Depending on the location one can expect a total installed cost savings of as much as \$1,500.00.

(Model IH091 Shown Below)



These stations are provided with a 60-month warranty. The basin can be installed on the floor (shown above) or in the slab (shown below) to accommodate basement plumbing.



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OUTDOOR PUMP Benefits and Options:
(Model DH071 Shown Below)



The typical outdoor pump model for single family homes is the DH071-93 shown to the left. This station operates in the same manner as the indoor station. The pump package comes complete, ready for installation in the ground.

Standard height stations are provided to provide a

gravity drain from the home. Deeper stations can be provided to accommodate deeper building drains.

These stations are best used when the existing plumbing can not be changed and the best option is to connect existing building drains outside of the home.

The outdoor unit may be more suited to customers who prefer that service and access be out of doors. Service providers can service these units without entering the home provided the alarm panel is also outside and accessible.

Outdoor models come in a variety of sizes to accommodate larger flow demands.

Alarm panels for both stations are provided using the same basic platform. The Sentry® panel provides the ability to monitor the operation of the pump unit. Basic alarms include a light and buzzer with silencer.

OPTIONAL ITEMS INCLUDE:

- Alarm Activated Dry Contacts**
- Alarm Activated Powered Terminal**
- Generator Receptacle and Auto Transfer**
- Remote Sentry Indoor Alarm Module**
- Run-time/Hour Meter**
- Event/Cycle Counter**

Protection Package, consisting of:
 Brownout Protection w/ Trouble Indication
 Run Dry Protection w/ Trouble Indication
 High System Pressure Protection w/ Trouble Indication.



For more information contact:

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