

DESCRIPTION

The GEFCO #ST-Series Underground Stations provide a structurally sound and watertight housing for pumping systems. There are several different standard size units available. The Station is used when it is desired to locate the pumping system underground and in close proximity to the fountain rather than in a mechanical room far away or if lease able space can not be sacrificed. All mechanical and electrical controls are pre-installed, pre-wired and pre-valved inside the station. All penetrations through the walls will be made, water-proofed, and provided with stub outs ready for accepting pipe and electrical conduit for runs to and from the fountain.

These units can also be used for other equipment requirements such as lift stations, electrical distributions centers, telephone exchange centers, cable tv amplifier stations and booster pump stations to name a few applications.

The Station is accessed through a 2'- 6" x 3'- 0" opening located topside which is covered with a single leaf, spring loaded hatch. Depending on the actual location of the station, three styles of hatches are available. If the station is to be buried in a landscape area, covered with topsoil, a GEFCO Select #ST801 Landscape hatch is favorable. Should the station be buried in a plaza or a walkway where pedestrian traffic is expected over the station, a GEFCO Select #ST802 Tile Set hatch would be desirable. The third type of hatch is a GEFCO Select #ST803 checker plate type. Whichever hatch is chosen, it will be pre-attached to the station prior to shipment.

The GEFCO #ST-Series Pump Stations are provided with the basic following equipment pre-installed in the unit:

- 1ea. GEFCO Select #ST810: 8'- 0" 'D'-rung type ladder for entry into station.
- 1ea. GEFCO Select #ST815: wet locations, fluorescent light, 2x40 Watt, 120 Volt.
- 1ea. GEFCO Select #ST820: pre-wired duplex utility outlet.
- 1ea. GEFCO Select #ST702: pre-installed ventilation system consisting of a 1/3 HP vent fan delivering 484 cu.ft./ min. at 25" HG and (2) C.I. vent pipe fittings.
- 1ea. GEFCO Select #PM502-02 Sump Pump Assembly including float switch activated pump, valving, and 1-1/2" outlet through the station wall. The pump shall deliver 34 GPM @ 10 ft. TDH.

In addition, the display, filtration, control panel, and automatic fill systems are installed at the factory with all the associated pumps, valves, mechanical and electrical controls pre-piped and pre-wired as designed for the specific project.

IMPORTANT NOTE:

THESE UNITS ARE NOT RECOMMENDED FOR USE IN AREAS WHERE GROUND WATER CAN NOT BE DRAINED OR WHERE GROUND WATER TABLES ARE WITHIN 8'-0" FROM THE SURFACE AT THE PUMP STATION LOCATION UNLESS THE CONCRETE ENCASED PROCEDURE IS FOLLOWED.

