

Edson

WASTE TRANSFER STATIONS

Lift Stations Packaged For Use With Marine Pump Outs

Edson has assembled a few rugged, high quality sewage lift stations, made up of a submersible sewage pump, a fiberglass reinforced basin, float switches, electrical controls and selected plumbing.

These small sewage pumping stations are used in combination with pump out stations.

When the discharge distance to the main sewer line is too far or too high for the primary pump out suction pump, these lift station are installed in the discharge line.

The pump out unit discharges into the lift station basin and the submersible pump with it's higher pumping capacity handles the discharge distance to the main sewer line.

To meet the divers conditions found in marina pump out installations, Edson offers three basic waste transfer stations, a .4 hp for heads to 16 ft., a .5 hp for heads to 28 ft. and a 1 hp for heads to 48 ft.. These three packages are built around quality Myers 2" solids handling submersible sewage pumps.

For higher flow rates and higher heads Edson offers special units that have stainless vortex type submersible pumps.

For the real heavy work there is a 2 hp grinder pump available.

Which one to used is based on an evaluation of the head conditions at the installation site and other considerations that would effect flow rates.

All the materials used are selected to insure long trouble free service in a marina environment.



28WT-28

Shown With Optional Alarm

Edson Waste Transfer Stations

PUMPS: Submersible Sewage Pumps ● Enclosed Impeller ● Handles Solids Up to 2" ● Automatic On/Off Float Switch

Standard Stations

Order # 283WT-16: .4hp, 1phase, 120v ● 20 GPM at 16 ft. of head
 Order # 283WT-28: .5hp, 1phase, 120v ● 20 GPM at 28 ft. of head
 Order # 283WT-48: 1hp, 1phase, 120v ● 20 GPM at 48 ft. of head

Vortex Stainless Pump Stations

Order # 283WT-ES501E: .5hp, 1phase, 120v ● 40 GPM at 25 ft. of head
 Order # 283WT-ES402: 1hp, 1 or 3 phase, 220v ● 50 GPM at 30 ft. of head

Grinder Pump Station

Order # 283WT-ESG802: 2hp, 1phase, 220v ● 26 GPM at 80 ft. of head

More Details On Following Pages

COLLECTION BASINS: Reinforced Fiberglass ● Fiberglass Cover With Stainless Bolts ● Sized for Application

PLUMBING: Inline Check Valve ● Full Union Ball Valve ● Discharge Pipe To Just Outside The Basin ● All Through Tank Gasket Seals For Discharge Pipe, Inlet Pipe and Vent Pipe

OPTIONS: Early Warning Pump and Power Failure Alarm

ORDERING INFORMATION

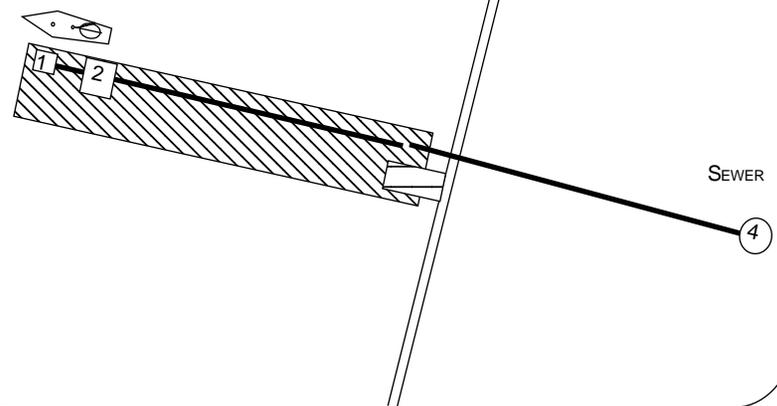
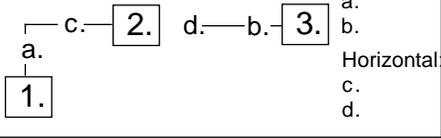
DESCRIPTION	ORDER NO.
.4 HP Waste Transfer Station	283WT-16
½ HP Waste Transfer Station	283WT-28
1 HP Waste Transfer Station	283WT-48
1/2HP Waste Transfer Station Stainless	283WT-ES501E
1HP Waste Transfer Station Stainless	283WT-ES402
2HP Waste Transfer Station Grinder	283WT-ESG802

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INTERNATIONAL

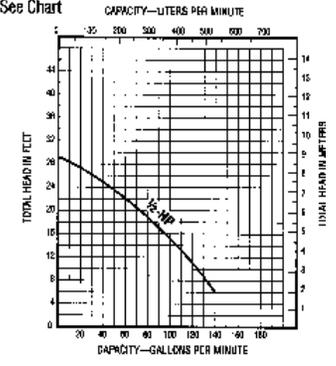
146 Duchaine Blvd., New Bedford, MA 02745-1292 Tel. 508-995-9711 Fax 508-995-5021

E-Mail pumps@edsonintl.com www.edsonpumps.com

Distances



ORDER NO.: 283WT-28
MAXIMUM VOLUME: 165 GPM/624 LPM
STATIC HEAD: 26.5 ft/8.5m
HEAD AT 20 GPM: 26 ft/7.9m
PERFORMANCE: See Chart

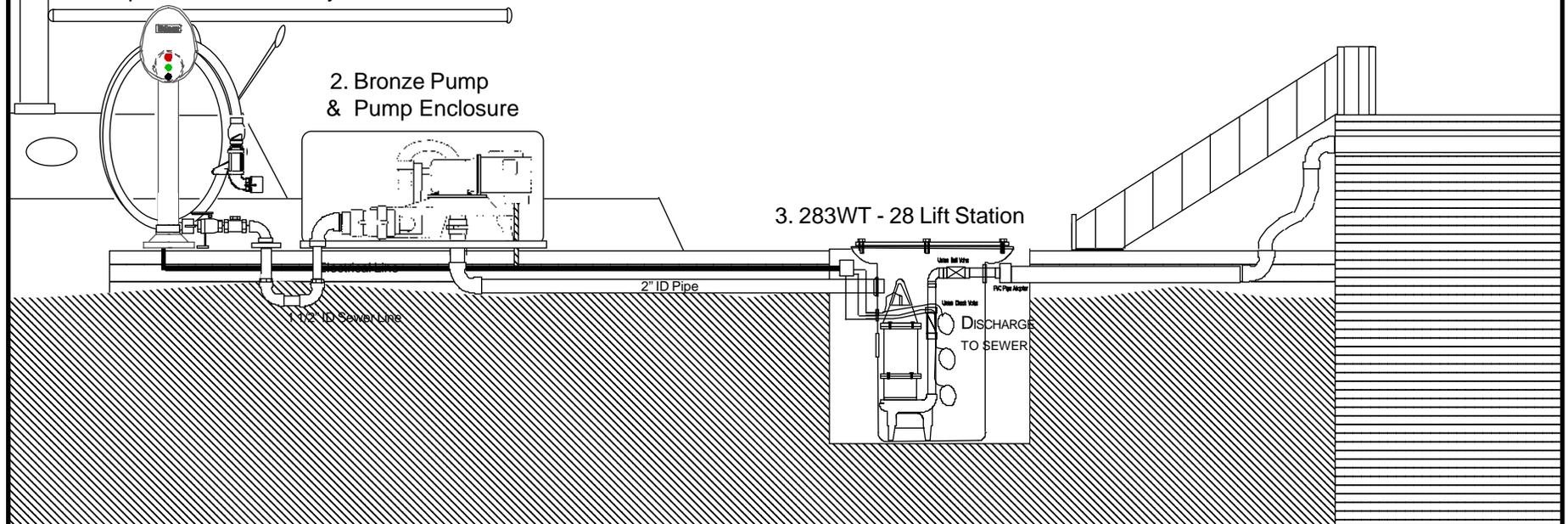


283WT - 28 Lift Station
 Shown With Optional Alarm 230-A-

1. Pump Hose Stand with Pump Out Hose and A Hydrant

2. Bronze Pump & Pump Enclosure

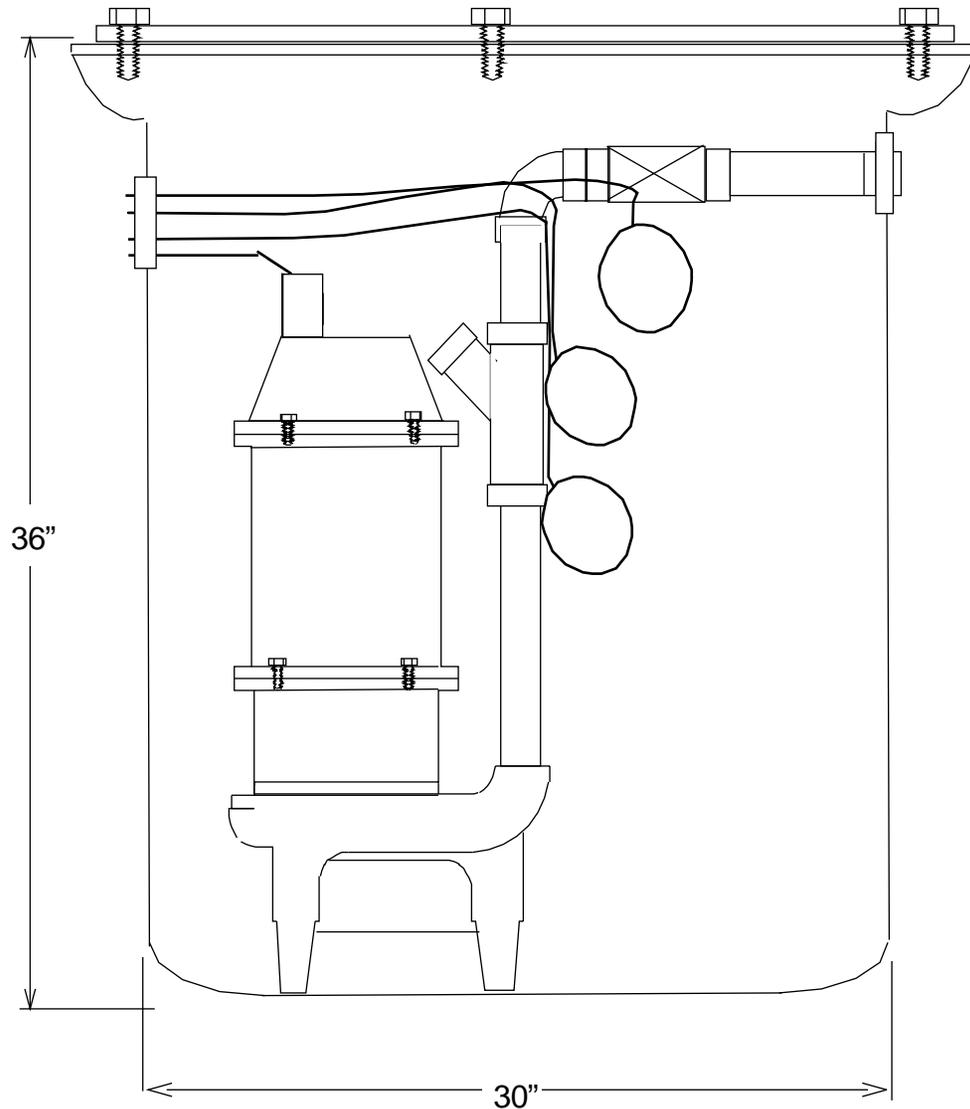
3. 283WT - 28 Lift Station



146 Duchaine Blvd.
 New Bedford, MA 02745
 Tel: 508-995-9711 Fax: 508-995-5021

Diaphragm Pump Out & Lift Station Installed On A Float

Drawn By: PJB
 Date: 3/13/99



SPECIFICATIONS:

Pump- Stainless Steel, 2" Solids Handling, Vortex Impeller, Submersible, Sewage Pump
1/2 HP 115/60/1. Delivery performance is 40 GPM at 25' of head with 2" ID pipe.

Basin- 30" X 36" Poly Basin with Fiberglass Cover

Basin Plumbing- 2" Piping for Discharge to Include

- 2" Check Valve
- 2" Union Ball Valve
- Gasket Seals for Inlet & Discharge
- Cable & Cover Gasket Seals

Controls- 3 Float Switches and High Level Alarm

- 1 N/C float switch turns pump on and off
- 1 N/C float switch turn on alarm if tank gets to full.
- 1 N/O float switch turns pump out pump off if tank gets to full

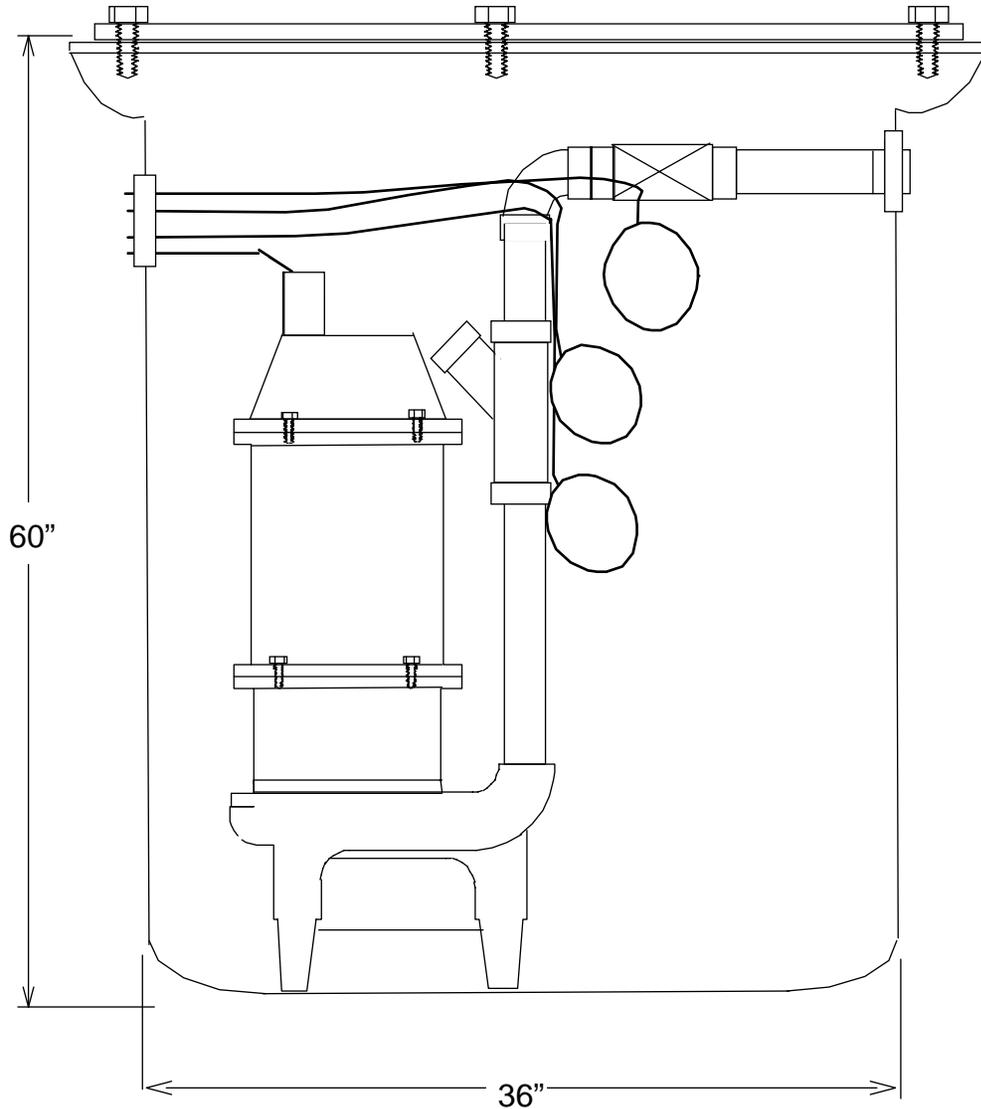
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283WT-ES501E
Edson Waste Transfer Station

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April 20, 1999 No Scale

ESCO501E



SPECIFICATIONS:

Pump - EBARA Stainless Steel, 2" Solids Handling, Vortex Impeller, Submersible, Sewage Pump, 1 HP 220/60/3 Phase or Single Phase (Specify When Ordering)
Performance: 50 GPM at 30' of Head

Basin - 36" X 60" Fiberglass Basin with Fiberglass Cover

Basin Plumbing- 2" Piping for Discharge to Include
2" Check Valve
2" Union Ball Valve
Gasket Seals for Inlet & Discharge
Cable & Cover Gasket Seals

Controls- 3 Float Switches, Control Cabinet With High Level Alarm
1 N/C float switch turns pump on and off
1 N/C float switch turn on alarm if tank gets to full.
1 N/O float switch turns pump out pump off if tank gets to full

Simplex Unit
Duplex Unit

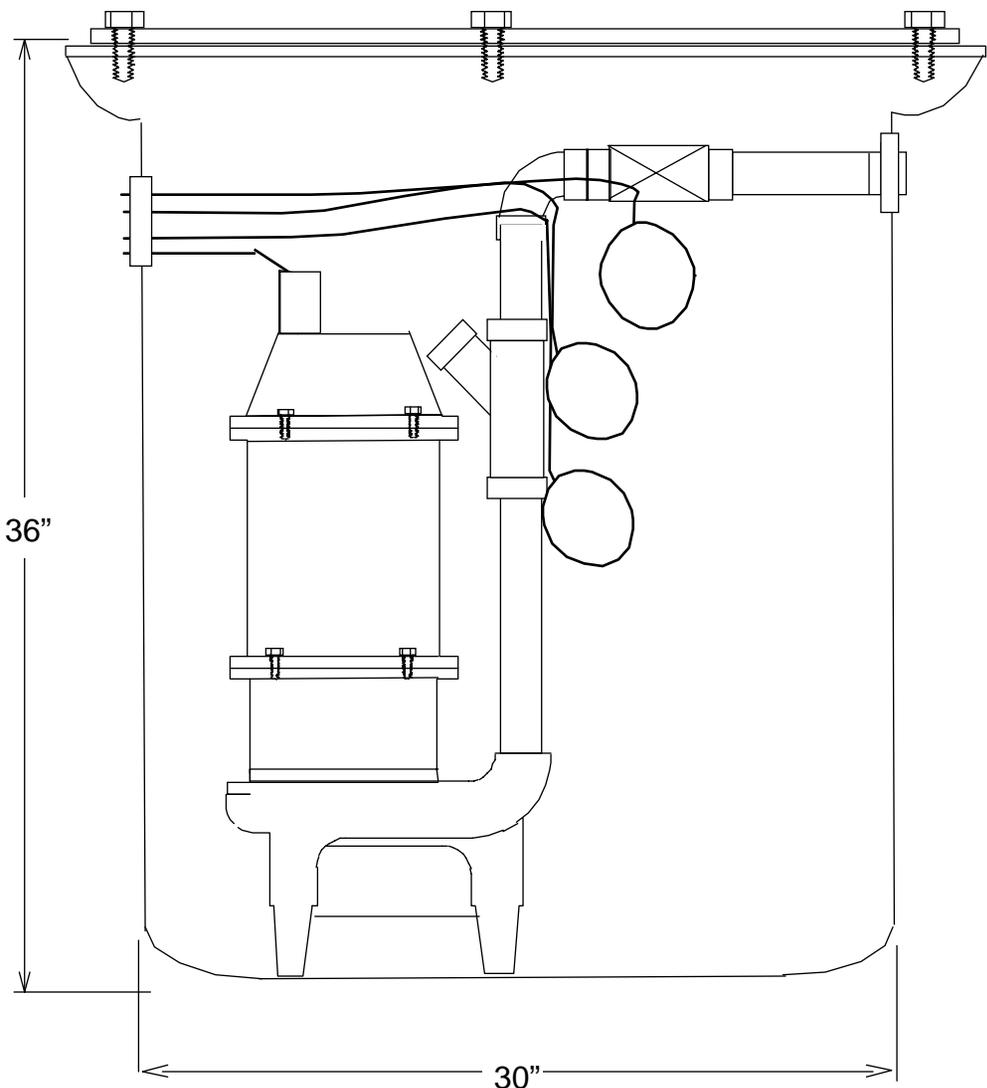


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283WT-ES402
Edson Waste Transfer Station

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July 27, 1999	No Scale

ESCO402



SPECIFICATIONS:

Pump - 2 HP, Single Phase 220 Volt Grinder Submersible Sewage Pump with Double Mechanical Seals, Silicon Carbide to Silicon Carbide Lower Seal, Non-Overloading Motor. Develops 26 GPM at 80 ft TDH with 2" Force Main.

Basin- 30" X 36" Fiberglass Basin with Fiberglass Cover & SS Bolts

Basin Plumbing- 1 1/4" Piping for Discharge to Include

- 1 1/4" Check Valve
- 1 1/4" Union Ball Valve
- 2" to 1 1/4" PVC Adapter
- Gasket Seals for Inlet & Discharge
- Cable & Cover Gasket Seals

Wall Mount Nema 4X Control Cabinet with 3 Float Switches and High Level Alarm

- 1 N/C float switch turns pump on and off
- 1 N/C float switch turn on alarm if tank gets to full.
- 1 N/O float switch turns pump out pump off if tank gets to full