

Edson BASIC ELECTRIC DIAPHRAGM PUMP OUT SYSTEM

Bronze 40 GPM Diaphragm Pump & Pump Out Hose Assembly

Performance Features

- No Clog, No Spill, No Smell
- Dry Start Suction Lift to 12ft (3.65m)
- Discharge Head 15ft (4.57m)
- Pump Rated to 38 GPM (144LPM)
- Dependable Performance
- Automatic Self Priming Starts

Design Features

- Easy to Use-Low Maintenance Components
- Modular For Flexibility of Installation
- Pump - Bronze, 2" Diaphragm
- Motor - 3/4 HP, 1Ph, 120/240V for Convenient Installation
- Optional Motors & Controls For Any Requirements

For Marine, Campground and Industrial Applications. Edson's engineers have combined Edson Single Diaphragm Pump with the hose, fittings and accessories required to provide a trouble-free and efficient Sewage Collection System. The Edson Basic Diaphragm Pump Out will also provide industrial and commercial operations with an environmentally sound method of sewage, oil, and waste liquid collection.

At the "Heart" of the pump out is Edson's powerful diaphragm pump. It is the best choice for the transfer and collection of sewage, sludge, waste oil and high viscosity fluids with suspended solids under low head conditions. Straight-through passages with no impellers insure Edson Pumps will not be stopped or damaged by personal hygiene items, bottle caps, paper, stones, twigs, banana peels, or any materials encountered when collecting waste products.

For boat and truck mounted portable pump outs using a 3/4 HP 12 volt motor to power the pump is a very efficient use of energy and the quite on demand operation is preferred over gasoline power engine.



278EB-40

Edson Diaphragm Pump Out Systems

PUMP PERFORMANCE: Max. Volume - 38GPM / 144 LPM ● Suction Lift - to 15 ft / 4.57m ● Discharge Head - to 15 ft / 4.57m ● Dry Suction Lift - 12 ft / 3.65m.

PUMP CONSTRUCTION: Marine Bronze Pump Body ● Nitrile Diaphragm and Valves ● Stainless Steel Hardware ● Aluminum Frame ● Inlet - 2" Male NPT ● Discharge - 2" Female NPT ● Standard Electric - 3/4 HP, Single Phase, 115/230 Volt, 8.4/4.2 Amp, 60 HZ, 55 RPM, TEFC Gearmotor

PUMP OUT HOSE ASSEMBLY: 1 1/2" Polyflex Hose ● 90° Ball Valve ● Sight Glass/Check Valve ● Quick Clamp Adapter ● Complete Set of Deck Adapters ● 25 ft Length Standard ● 50ft Optional

OPTIONS: 50' Hose Assembly ● Explosion Proof Motor ● Motors and Controls for Any Power Requirement ● Explosion Proof On/Off Switch ● Bronze Pump Out Hydrant 270BR-150

ORDERING INFORMATION

| DESCRIPTION <i>See Price List For Other Models</i> | WEIGHT (Lbs / Kgs) | ORDER NO. |
|---|-----------------------|------------|
| Basic Diaphragm Pump Out System | 250 / 112 | 278EB-40 |
| Waste Hose Assembly | 25 / 11.2 | 279WHA-200 |
| Bronze Pump Out Hydrant 1 1/2" | 35 / 15.7 | 270BR-150 |
| Hose Stand Only | 35 / 15.7 | 260-HS |
| Hose Stand With Stop Start Buttons | 35 / 15.7 | 260-284 |

Edson

INTERNATIONAL

146 Duchaine Blvd., New Bedford, MA 02745-1292

Tel. 508-995-9711 Fax 508-995-5021

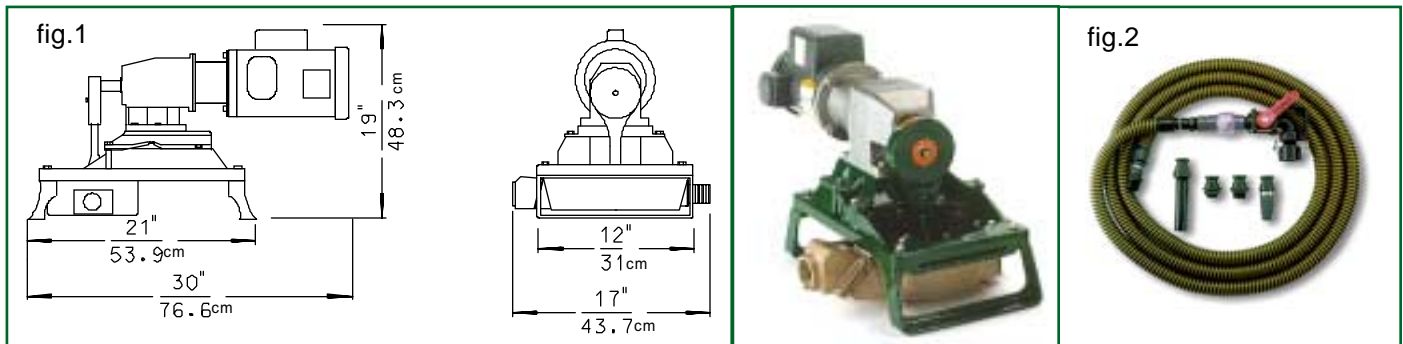
E-Mail pumps@edsonintl.com

www.edsonpumps.com

Edson Diaphragm Pump Out Systems 278EB-40

Pump: 3/4hp/1ph/115/230v/60hz/tefc gearmotor operating at 55 rpm and coupled to a 40 gpm bronze diaphragm pump. All arranged on a painted aluminum frame with 4 mounting flanges.

Hose Assembly: 25' X 1 1/2" Polyflex Hose, 90° Ball Valve, Sight Glass/Check Valve, Quick Clamp Adapter, Complete Set of Deck Adapters.fig.4



Options

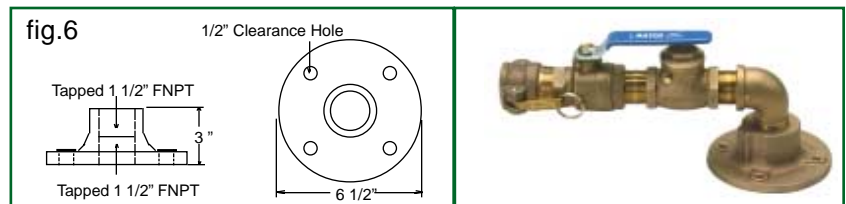
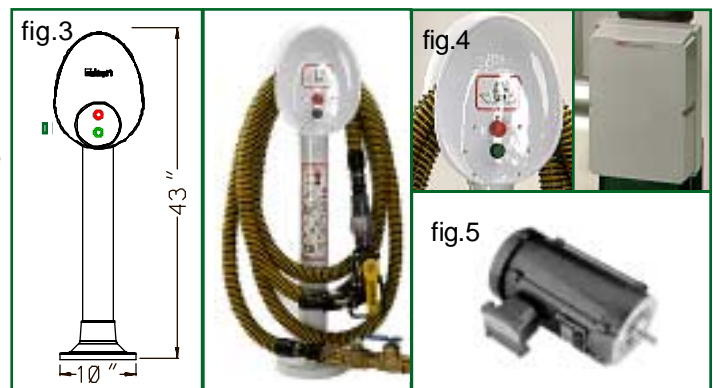
For Stationary Applications

Hose Stand (Optional): White Powder Coated Aluminum with or without Start & Stop Buttons Installed, Operation Instructions Sign and (4) 1/2" X 7" Aluminum Hex Head Mounting Bolts. fig.3
 Order Nos. 260-284 Hose Stand W/Start & Stop Buottons
 260-HS Hose Stand Only

Control Panel w/ Timer and 24 Volt Stop/Start (Optional): The Control Panel includes a 120/240 volt to 24 volt Transformer and a Timer to automatically shut off the pump after a selected time. The Red Stop Switch and the Green Start Switch installed in the Hose Stand operate on 24 volt for safety. Upon request they can be mounted in a separate nema-4 electrical box. fig.4
 Order No. 161-A-2000

Hazardous Location Rated Motors and Switches (Optional): Check With Factory fig.5

Hydrant (Optional): 1 1/2" Bronze Check Valve, Bronze Ball Valve and Quick Clamp Hose Adapter with Bronze Elbow and Close Nipple with Bronze Mounting Flange. fig.6
 Order No. 270BR-150



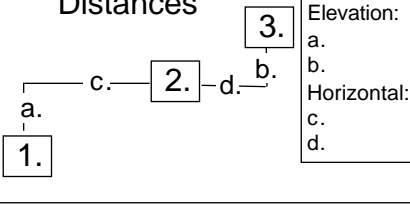
For Portable Applications

Waste Hose Assembly 2" (Optional): This kit includes all the hose, fitting and adapters needed to install an Edson Diaphragm Pump to any size collection tank. fig.7 and pg.4 Installation Waste Hose Installation Drawing.
 Order No. 279WHA-200

12Volt Electrical Motor (Optional): For boat and truck mounted portable pump outs using a 3/4 HP 12 volt motor to power the pump is a very efficient use of energy and the quite on demand operation is preferred over gasoline power engine. The electric power comes from a battery recharged by the engine driven altinator while moving from pump out to pump out.
 Order No. 161-A-1432

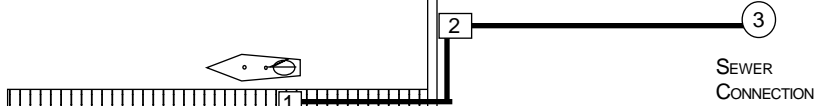


Distances



Legend

Elevation:
a.
b.
Horizontal:
c.
d.



All dimensions are approximate.
Should **not** be used for contractor estimating.

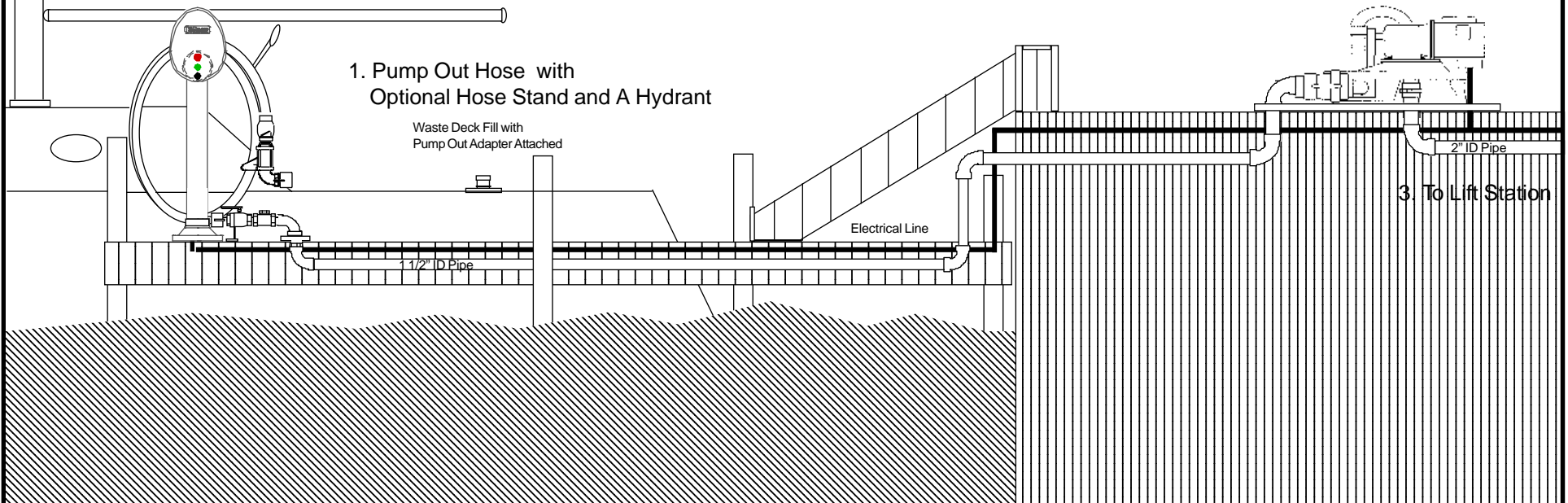


278EB-40

2. Bronze Pump

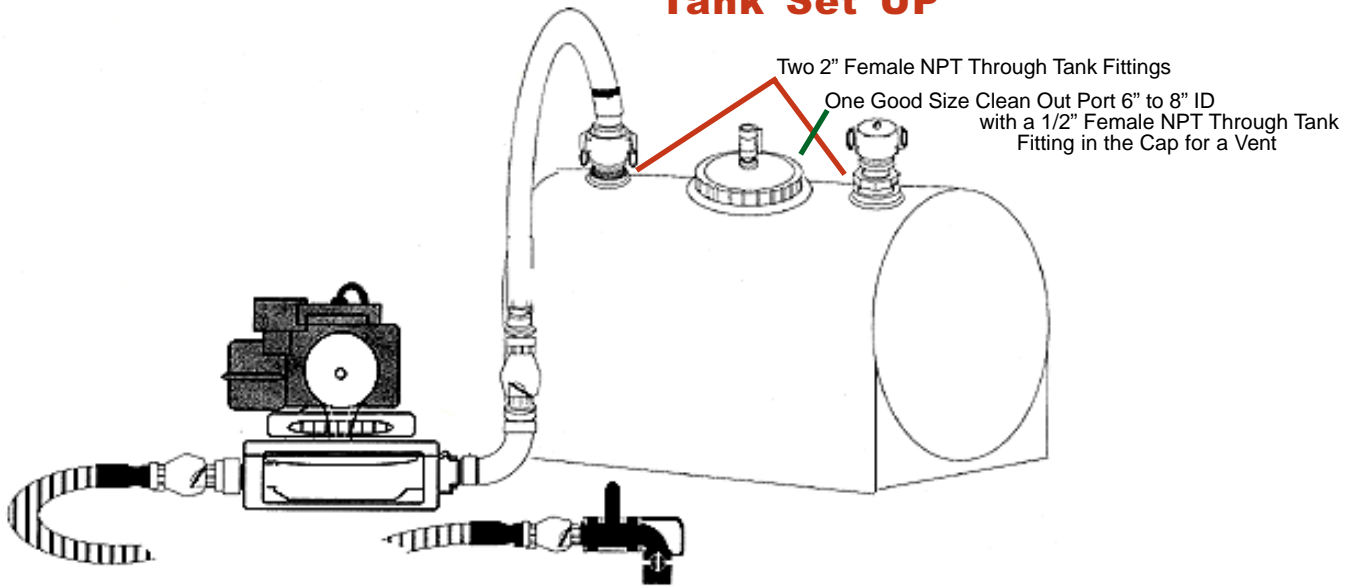
1. Pump Out Hose with Optional Hose Stand and A Hydrant

Waste Deck Fill with Pump Out Adapter Attached



3. To Lift Station

Tank Set UP



Kit Installation

