

# HYDROMATIC® SP40 SUBMERSIBLE SEWAGE EJECTOR PUMP

The SP40 submersible pump is specifically designed to meet the demands of handling wastewater and sewage in residential and commercial building applications. The 2 inch NPT discharge pump is available with a powerful 4/10 horsepower motor, in both automatic and manual configurations; and handles capacities up to 130 gallons per minute and heads up to 26 feet.

## Features & Benefits:

- Water-Resistant Power Cord with Molded Plug is Available in 10 or 20 Foot Lengths and is Easily Field Serviceable.
- Heavy-Duty Cast Iron Construction Assists in Dissipating Heat from Motor for Cooler Operation.
- Non-Clog, Non-Corrosive, Long Lasting Thermoplastic Impeller Capable of Handling up to 1¼ Inch Spherical Solids.
- Precision Carbon and Ceramic Faced Mechanical Shaft Seal Provides a Long, Leakproof Life.
- Oil-Filled PSC Motor Features Superior Cooling Characteristics, Allowing Motor to Run Quiet for Years.
- Permanent Lubrication of Shaft Bearings, Minimizes Maintenance and Extends Service Life of the Pump.
- Motor Windings Contain an Automatic Reset Thermal Overload
- Automatic Models Carry the Exclusive Hydromatic Diaphragm Pressure Switch, Which Provides Proven Reliability in Installations Where a Float May Hang up.
- Unique "Piggyback" Plug Design Allows for Easy Conversion to Manual Operation. Simply Remove Switch Plug and Insert Motor Plug Directly into an Electrical Outlet (also an easy way to periodically cycle the pump to ensure it is operating properly).

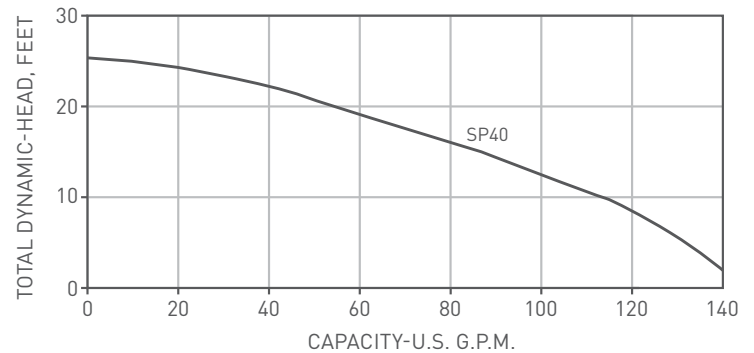


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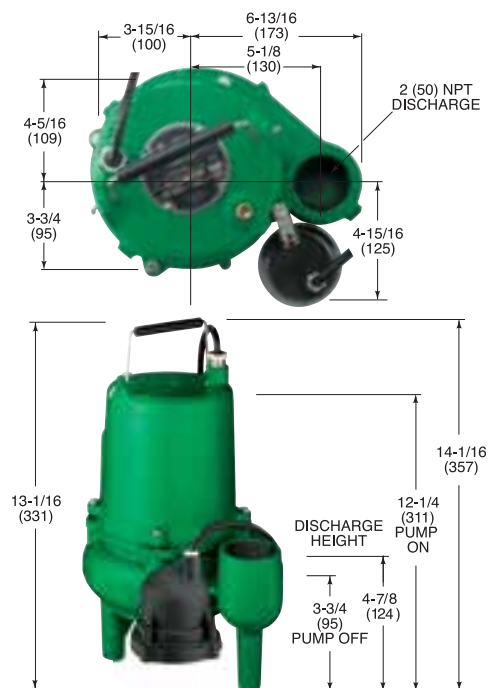
## Pump Characteristics

Pump/Motor Unit	Submersible	
Manual Models	SP40M1	SP40M2
Automatic Models	SP40A1	SP40A2
Horsepower	4/10	
Full Load Amps	7.5	3.8
Motor Type	PSC	
R.P.M.	1650	
Phase Ø	1	
Voltage	115	230
Hertz	60	
Operation	Continuous Duty	
Temperature	140°F Ambient	
NEMA Design	A	
Insulation	Class A	
Discharge Size	2" NPT	
Solids Handling	1 1/4"	
Unit Weight	47 lbs.	
Power Cord	10' SJTW std. (20' optional)	

## Performance Data



## Dimensional Data



All dimensions in inches. Metric for international use. Component dimensions may vary ± 1/8 inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable. We reserve the right to make revisions to our product and their specifications without notice.

## Materials of Construction

Handle	Steel
Lubricating Oil	Dielectric Oil
Motor Housing	Cast Iron
Pump Casing	Cast Iron
Shaft	Stainless Steel
Mechanical Shaft Seal	Seal Faces: Carbon/Ceramic
	Seal Body: Brass
	Spring: Stainless Steel
	Bellows: Buna-N
Impeller	Thermoplastic
Upper Bearing	Brass Sleeve Bearing
Lower Bearing	Single Row Ball Bearing
Fasteners	Stainless Steel



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.