

# Liberty Pumps®

## NEW!

## 290-Series



Quick-Disconnect  
Power Cord

One-Piece Cast  
Motor Housing



MODEL 293



Available with  
Vertical Float



### Cast Iron Submersible Effluent/Sump Pumps

**3/4 hp**  
**1-1/2" Discharge**  
**3/4" Solids Handling**

#### Features:

- Liberty's unique, one-piece "Uni-Body" casting
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor (other lengths available)
- Permanently lubricated upper and lower bearings
- Oil-filled, hermetically sealed motors with thermal overload protection
- Stainless steel, removable bottom screen
  - Stainless steel rotor shaft
  - Stainless steel fasteners

#### 115 V. Models:

- 290 Manual
- 291 Wide-Angle Float with Quick Disconnect
- 293 Wide-Angle Float, Series Plug
- 297 VMF, vertical magnetic float for heavy-duty sump pump applications

#### 208-230 V. Models:

- 290HV Manual
- 291HV Wide-Angle Float with Quick Disconnect
- 293HV Wide-Angle Float, Series Plug
- 297HV Vertical Magnetic Float (VMF) Switch

Wide-Angle Floats are mercury-free,  
mechanically activated.

innovate. evolve.

# 290-SERIES

## 3/4 hp Submersible Effluent/Sump Pumps

The Liberty 290 series provides a cost effective "mid-range" pump for on-site waste water systems, liquid waste transfer and commercial heavy-duty sump pump applications that require higher head or more flow. Designed around Liberty's unique "Uni-Body" casting, the 290-Series will provide years of reliable performance.

### All Models Feature:

- Semi-Open impeller permitting passage of solids up to 3/4"
- 416 stainless steel rotor shaft
- Permanently lubricated upper and lower ball bearing
- Epoxy powder coat finish
- All fasteners – corrosion-resistant stainless steel
- 1 1/2" Discharge
- Stainless steel bottom screen – easily removable
- Maximum fluid temperature: 140° F.
- **290-Series Cord Lengths**

Model	10'	25'(-2)	35'(-3)	50'(-5)
290	Standard	Optional	Optional	Optional
291	Standard	Optional	Optional	Optional
293	Standard	Optional	Optional	N/A
297	Standard	Optional	N/A	N/A

10' cord length standard on all models. For optional lengths, add "-2, -3 or -5" suffix to model number.  
Example: for model 290 with 35' cord. Order 290-3

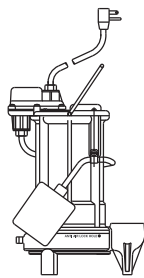
### Motor Specifications

3/4 hp 60 Hz 3450 RPM  
Oil filled, thermally protected

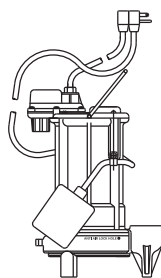
115 V. Models 10.4 amps  
208/230 V. Models 5.3 amps



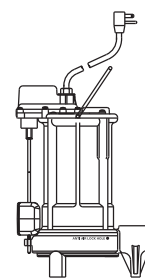
**Model 290**  
Manual,  
no switch



**Model 291**  
Wide angle  
float switch  
with quick-  
disconnect



**Model 293**  
Wide angle  
float switch  
with series  
(piggy-back)  
plug



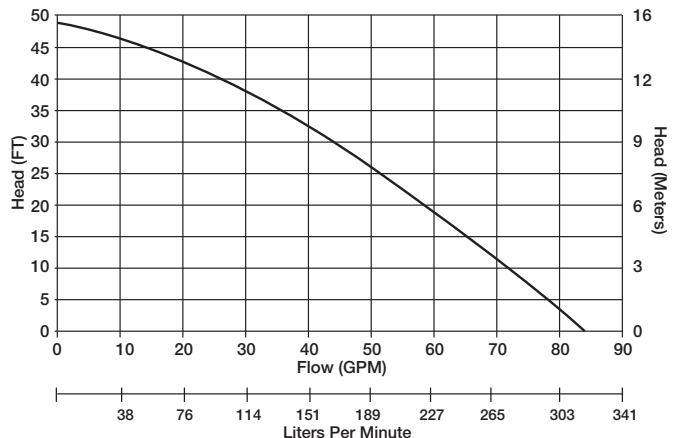
**Model 297  
VMF-Series**  
Vertical mag-  
netic float for  
smaller pits –  
will operate in  
a 10" diameter  
sump



CSA Certified

Specifications are subject to change without notice.

### Performance Curve: 290-Series



### Dimensional Data:

**Weight:** 31 lbs.  
**Height:** 13"  
**Major Width:** 10" (model 297)

### Minimum Sump Diameters:

Model 291, 293...14"  
Model 297 VMF...10"

Factory switch settings	Model 291, 293	Model 297 VMF
<b>Turn on level</b>	13"	9.5"
<b>Turn off level</b>	7"	4.0"

The Model 293 features a fully adjustable wide-angle float. Differential adjustments can be made easily by tethering the float to the discharge pipe or other mounting point. Vertical float model 297 is not adjustable.