

# FL150-SERIES

Submersible Effluent Pump

# Liberty Pumps®

A Family and Employee Owned Company

**1.5 hp**

**1-1/2" or 2" Discharge**

**Flange mounted**

## Features

- 3/4" Solids handling
- Heavy cast iron construction
- Semi-open cast iron impeller
- Stainless steel rotor shaft
- Dual shaft seals
- Single float, mercury-free level control
- Additional mounting clamp provided for optional switch mounting to pipe
- Fully adjustable pumping range
- 2" FNPT threaded discharge with 1-1/2" FNPT flange provided
- Quick-connect power cord - 25' length standard
- Available in automatic and manual models



Dual Sized Discharge  
1-1/2" or 2"



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# FL150-Series

## Impeller

Semi-open cast iron class 25  
3/4" Solids handling

## Finish

Powder coat

## Maximum Fluid Temperature

104°F, 40°C Continuous Duty  
140°F, 60°C Intermittent

## Motor

Oil-filled, hermetically sealed, and class B  
insulation rating

## Power Cord

25' length standard. Quick-connect design allows  
easy field replacement. (35' and 50' available on  
3-phase models)

## Models

| MODELS   | HP  | VOLTS   | PHASE | AMPS | DISCHARGE    | AUTOMATIC | STANDARD CORD<br>LENGTH IN FEET | WEIGHT<br>IN LBS |
|----------|-----|---------|-------|------|--------------|-----------|---------------------------------|------------------|
| FL152M-2 | 1.5 | 208-230 | 1     | 15   | 1-1/2" or 2" | No        | 25                              | 81               |
| FL152A-2 | 1.5 | 208-230 | 1     | 15   | 1-1/2" or 2" | Yes       | 25                              | 82               |
| FL153M-2 | 1.5 | 208/230 | 3     | 11.4 | 1-1/2" or 2" | No        | 25                              | 81               |
| FL154M-2 | 1.5 | 440-480 | 3     | 5.7  | 1-1/2" or 2" | No        | 25                              | 81               |
| FL155M-2 | 1.5 | 575     | 3     | 4.9  | 1-1/2" or 2" | No        | 25                              | 81               |

NOTE: 3-phase models require a control panel for automatic operation. See control panel literature for complete specifications on panels. 35' and 50' cord options available on 3-phase models. Add "-3" suffix or "-5" suffix to model number. Example: FL153M-3 for 35' cord, FL153M-5 for 50' cord.

## Motor Housing

Class 25 cast iron

## Level Control

Wide-angle mechanical float sealed in a PVC  
housing. Float is a series plug for manual by-pass  
operation. One model has piggyback float.

A water-stop seal is incorporated into the cord  
entry to eliminate potential water wicking into  
the pump.

Adjustable clamp is provided for optional pipe  
mounting of the float.

## Discharge

2" FNPT with 1-1/2" FNPT cast iron flange provided

## Dual Shaft Seals

Upper: Unitized graphite impregnated silicon carbide  
Lower: Viton® double lip

## Fasteners

All fasteners shall be 300 series stainless steel.

## Performance Curve

60 Hz 3450 RPM

