

This document provides technical information relating to this specific Flojet model. General information references and further resource locations are also included.

LF Plus pumps are designed to be compact and long-lasting, capable of satisfying pumping needs for a wide variety of applications. Typical pump uses include spraying, fluid transfer, filtration, cooling, dispensing, and pressure boosting.

### Features:

- Self-Priming up to 6 ft. (1.8 m)
- Runs dry without damage
- No pressure switch (do not exceed 40PSI)
- Quick connect ports for easy installation
- Low amp draw for battery-powered applications

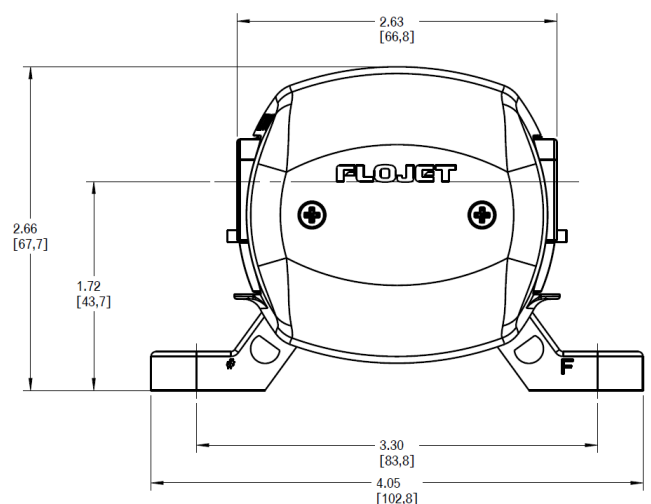
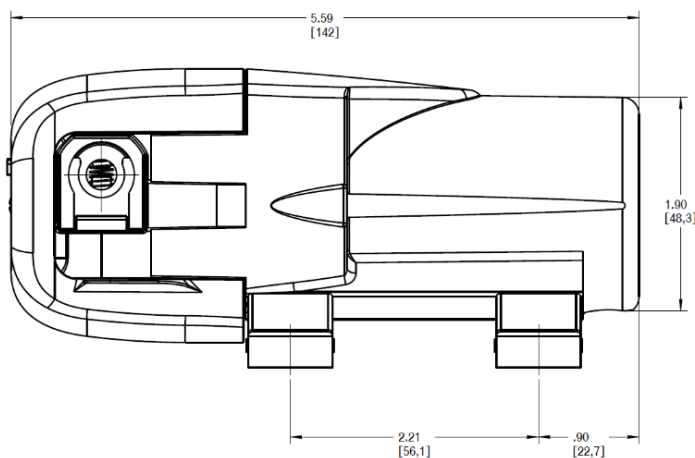
### Contents:

Pump Unit:	24VDC 1.0GPM No Switch 24VDC 3.8LPM No Switch
Port Fittings:	2 x 3/8" (10mm) Straight Hosebarb
IOM:	Included (PN 81000230)
Carton type:	Plain bulk
Master pack qty:	36



### Dimensional Drawing

Notes: Inches [mm]



## Specifications:

### General

Part Number:	RLFP222002D
Aftermarket replacement:	RLFP222002D
Replaces (closest matches):	
Application:	Industrial Fluid Transfer & Spray
Design:	Reciprocating Diaphragm Quick Connect Ports TENV Permanent Magnet Motor Noise Dampening Baseplate Thermal Motor Protection (TCO)

### Materials (\*designates wetted path)

Upper Housing*:	Glass-filled Polypropylene
Lower Housing:	Glass-filled Polypropylene
Check Valve Retainer*:	Polypropylene
Diaphragm*:	Santoprene
Check Valves*:	EPDM
Switch Diaphragm*:	EPDM
Bypass Diaphragm*:	N/A
PH Seals*:	EPDM
PH Fasteners:	Stainless Steel
Baseplate:	N/A - slide in rubber feet
Motor Casing:	Enclosed in protective plastic casing

### Hydraulic Performance (at nominal voltage)

Open Flowrate:	1.0 GPM open flow (3.8 LPM)
Pressure Switch Cut-Off:	No Switch
Max Inlet Pressure:	0 PSI (0 BAR)
Internal Bypass:	None
Fluid Temperature Range:	32°F - 110°F (0°C - 43°C)
Self-Priming Capability:	Up to 6 ft (1.8 m) dry
Run-Dry Capable:	Yes

### Electrical Performance (at nominal voltage)

Nominal Voltage:	24 VDC
Voltage Range:	24 VDC - 27.2 VDC
Max Current Draw:	1.5 Amps @ 40 PSI (2.7 BAR)
Fuse Size:	2 Amps (not included)
Duty Cycle:	Intermittent (See heat-rise chart)
Leads:	12" (305mm), 18 AWG (0.75mm <sup>2</sup> )
Wire Connection:	Stripped Wire

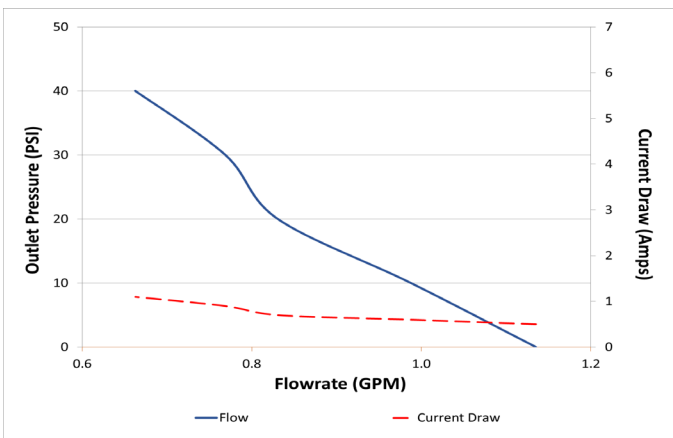
### Compliance

CE:	Yes
UKCA:	Yes
NSF:	Yes
CSA:	Yes
WEEE:	Yes
Country of Origin:	China
HTS Code:	8413.50.0050

### Other Information

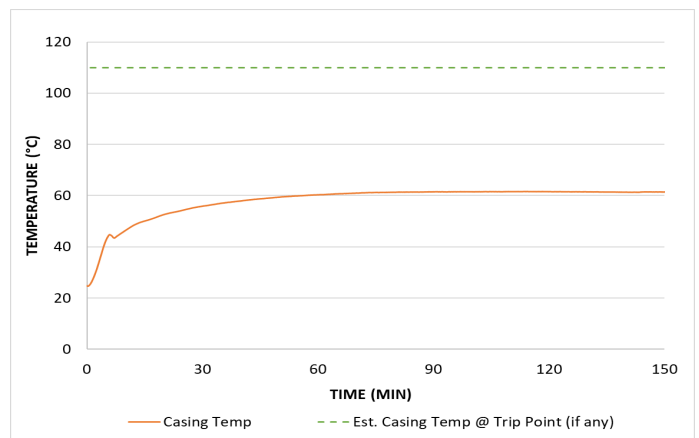
Operating Environment:	Industrial
Ambient Temp Range:	32°F - 110°F (0°C - 43°C)
IP Rating:	IPX4
Carton Dimensions:	5.7x4.5x3" (144.7x114.3x76.2mm)
Master Pack Dimensions:	25x22x11" (635x559x279.4mm)
Weight (pump only):	1.3 lbs (.589 kg)
UPC Code:	705474222407

## Flowcurve



Representative curve of unit operated at nominal voltage. Performance will vary somewhat unit to unit. This model does not have a pressure switch. Do not exceed 40 PSI (2.8 BAR).

## Heat-Rise

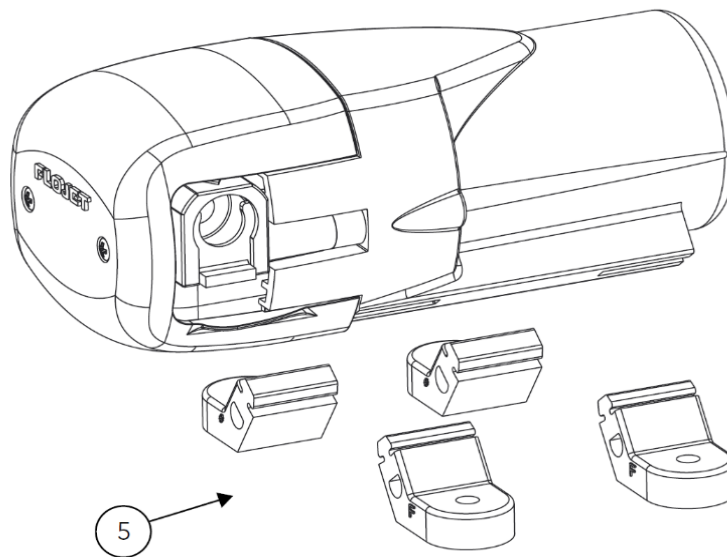


Tested @ ambient temp of 70°F (21.1°C) @ max run pressure. Trip point shown is casing temp at time of TCO trip. If there is a concern about the ability of the pump to run continuously for long periods of time, then in-application testing is highly recommended.

## Pump Service Kits & Spares:

ITEM	PART NUMBER	DESCRIPTION
1. Port Clips	Not offered	
2. Switch Kit	Not offered	
3. Check Valve Assembly	Not offered	
4. Pumphead Assembly	Not offered	
5. Baseplate/Mounting Feet	20717001A	Rubber mounting feet (qty 4)

## Exploded View:



## Available Flojet Industrial Options

In addition to the unit described in this datasheet Flojet also offers the following configurations (will vary somewhat by region and model type) and options:

<b>Voltages:</b>	12, 24, & 36 VDC 115 & 230 VAC
<b>Flowrate Range:</b>	1 - 6 GPM (3.8 - 22.7 LPM)
<b>Switch Setting Range:</b>	25 - 150 PSI (1.7 - 10.3 Bar)
<b>Pump Configurations:</b>	Switch; Bypass; Switch & Bypass; Switch, No Bypass; No Switch, No Bypass Santoprene (TPV), Viton, Buna, Nitrile, and other blended materials EPDM, Viton, Buna, Nitrile and other valve/seal materials Some models available with transducers or vacuum switches Various customer options dependent on volumes

# Installation and Operation

For guidance on proper installation and operation of this pump, as well as for any warnings or cautions involving use, please consult the appropriate IOM for the pump. Printed IOM's are supplied with the pumps and are also available online.

# Resources & Contact Information

<b>IOM:</b>	On website; hard copies with pumps	<b>Customer Service:</b>	Refer to contact info at our website
<b>Warranty:</b>	Information included in IOM	<b>Website:</b>	<a href="http://www.xylem.com/Flojet">www.xylem.com/Flojet</a>

**Note:** Specifications provided for guidance only. We reserve the right to change specifications without prior notice.



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[www.xylem.com/flojet](http://www.xylem.com/flojet)

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