

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

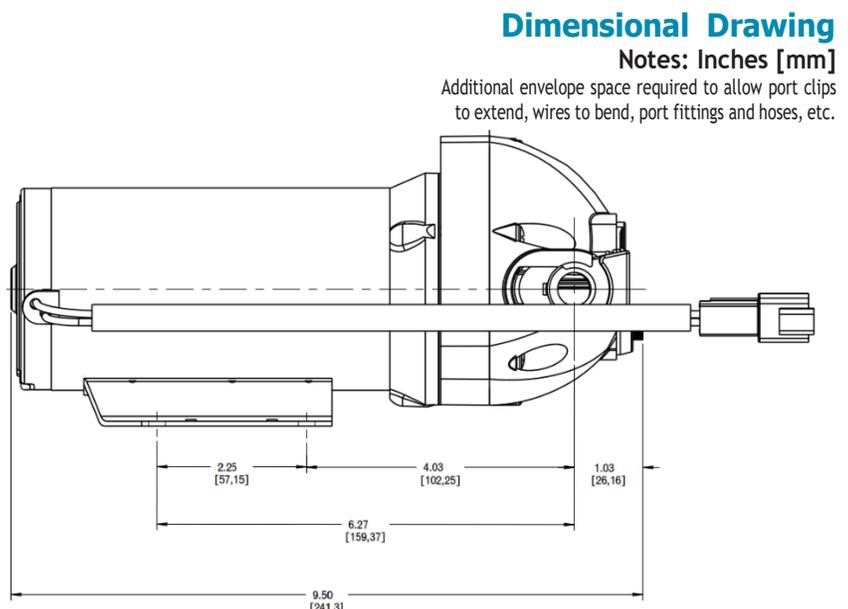
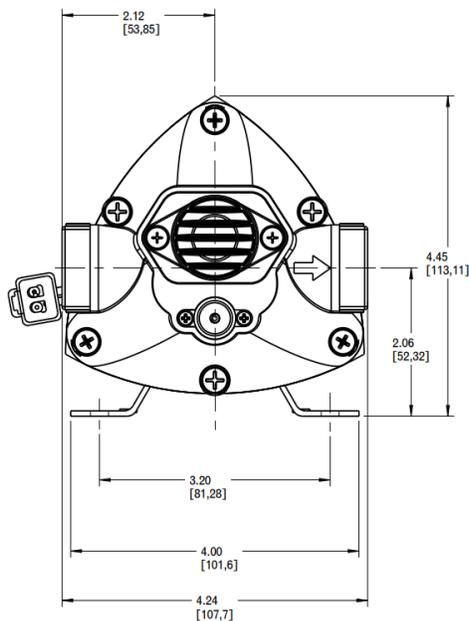
Flojet pumps are designed to be durable and high-performing - capable of providing years of satisfactory service in a variety of applications.

### Features:

- Self-priming
- Can run dry without damage
- Heavy duty motor
- Snap-in port fittings
- Built-in bypass
- Corrosion resistant materials

### Contents:

<b>Pump unit:</b>	Triplex 24V 2.0GPM NSW 50PSI BP Triplex 24V 7.6LPM NSW 3.4 Bar BP
<b>Port fittings:</b>	2 x 1/2" (19mm) straight hosebarb
<b>Strainer:</b>	Not included
<b>IOM:</b>	Included (PN 81000449)
<b>Carton type:</b>	Plain box
<b>Master pack qty:</b>	6



## Specifications:

### General

Part Number:	R3B21503A
Aftermarket replacement:	R3B21503A
Replaces:	N/A
Application:	Industrial Fluid Transfer & Spray
Design:	3 Chamber Diaphragm Quick Connect Ports TENV Permanent Magnet Motor Metal Mounting Base Thermal Motor Protection (TCO)

### Materials (\*designates wetted path)

Upper Housing*:	Glass-filled Polypropylene
Lower Housing:	Polypropylene
Check Valve Retainer*:	Polypropylene
Diaphragm*:	Santoprene
Check Valves*:	Viton
Switch diaphragm*:	Viton
Bypass Diaphragm*:	Viton
PH Seals*:	Viton
PH Fasteners:	Stainless Steel
Baseplate:	Metal
Motor Casing:	Metal

### Hydraulic Performance (at nominal voltage)

Open Flowrate:	2.0 GPM open flow (7.6LPM)
Pressure Switch Cut-Off:	No switch
Max Inlet Pressure:	30 PSI (2.2 BAR)
Internal Bypass:	50 PSI (3.4 BAR)
Fluid Temperature Range:	40°F - 140°F (4°C - 60°C)
IOM:	81000449
Self-Priming Capability:	Up to 9ft (2.7m) dry prime
Run-Dry Capable:	Yes

### Electrical Performance (at nominal voltage)

Nominal Voltage:	24 VDC
Voltage Range:	24 VDC - 27.2 VDC
Max Current Draw:	4 Amps @ 50 PSI (3.4 BAR)
Fuse Size:	7.5 Amps (not included)
Duty Cycle:	Intermittent (See heat-rise chart)
Leads:	26.38" (670mm), 14 AWG
Wire Connection:	Deutsch Connector (DT04-2P)

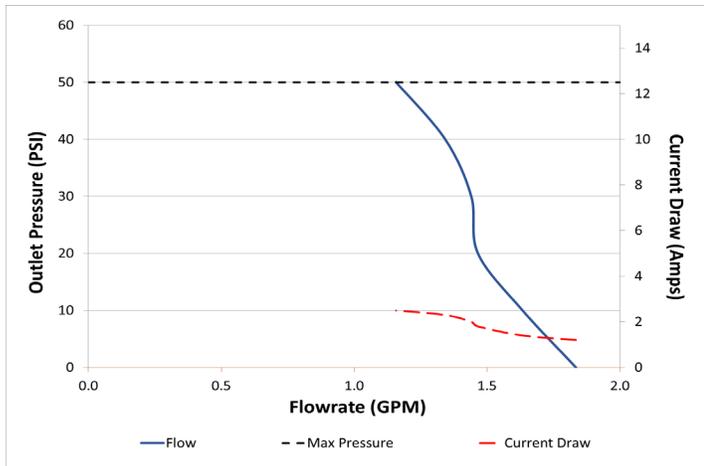
### Compliance

CE:	Yes
RCM:	Yes
UKCA:	Yes
WEEE:	Yes
Country of Origin:	Mexico
HTS Code:	8413.50.0050

### Other Information

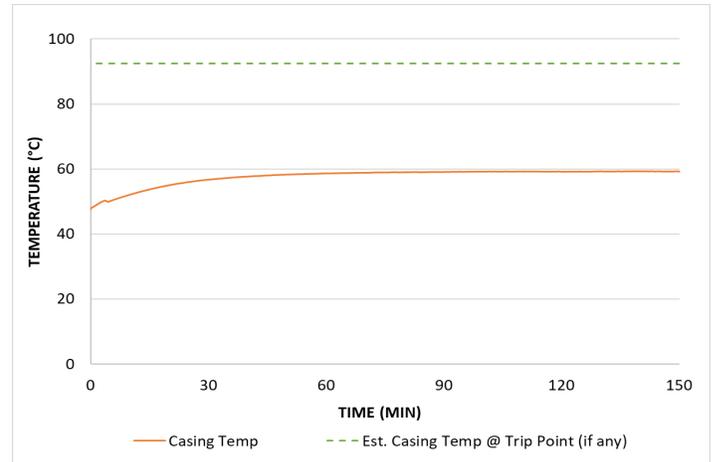
Other Information:	Industrial
Ambient Temp Range:	32°F - 140°F (0°C - 60°C)
IP Rating:	IPX5
Carton Dimensions:	15x6.5x5" (381x165x127mm)
Master Pack Dimensions:	20.2x15.9x11.4" (513x403.8x289.5mm)
Weight (pump only):	6.9 lbs (3.1 kg)
UPC Code:	705474214020

### Flow Curve



Representative curve of unit operated at nominal voltage. Performance will vary somewhat unit to unit.

### Temperature Rise



Tested @ elevated ambient temp of 122°F (50°C) @ 50 PSI max pressure. 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.

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## 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 TPV & blended diaphragms EPDM, Viton, and other valve/seal materials Some models available with transducers or vacuum switches Various customer options dependent on volume

## 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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