

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

VersiJet industrial pumps are designed to be durable and long-lasting, capable of satisfying pumping needs for a wide variety of applications. Typical pump uses are liquid transfer, spraying, cooling, circulation, filtration and dispensing.

Features:

- Heavy duty, coated motor
- Long life co-molded diaphragm
- Efficient, quiet operation
- Self-priming
- Runs dry without damage

Contents:

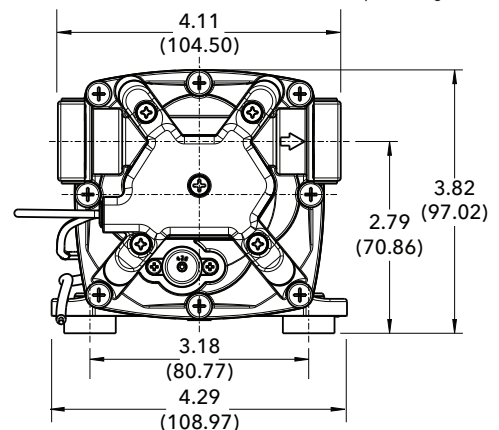
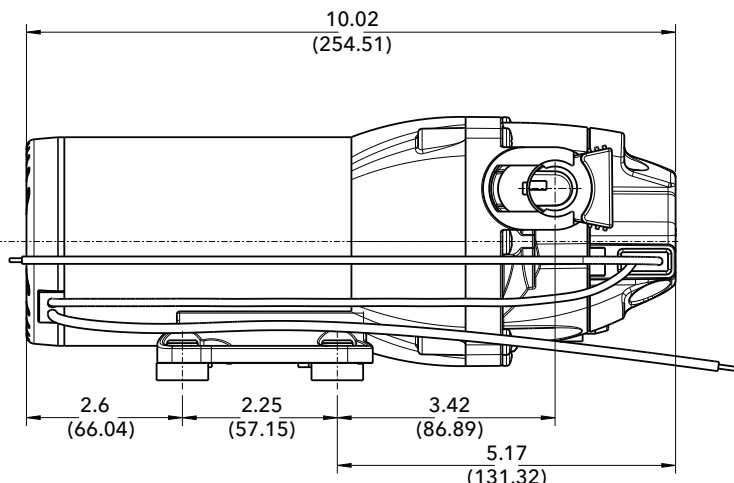
Pump unit:	VersiJet 12V 4.5GPM SW 60PSI BP VersiJet 12V 17LPM SW 4.1BAR BP
Port fittings:	2 x 3/4" (19mm) straight hosebarb
Strainer:	Not included
IOM:	Included (PN 81000480)
Carton type:	Plain box
Master pack qty:	4



Dimensional Drawing

Notes: Inches [mm]

Additional envelope space required to allow port clips to extend, wires to bend, port fittings and hoses, etc.



Specifications:

General

Part Number:	Q451F-118S-2P
Aftermarket replacement:	Q451F-118S-2P
Replaces:	04300143 / R4300143
Application:	Industrial Fluid Transfer & Spray
Design:	4 Chamber Diaphragm Quick Connect Ports TENV Permanent Magnet Motor Noise Dampening Baseplate Thermal Motor Protection (TCO)

Hydraulic Performance (at nominal voltage)

Open Flowrate:	4.5 GPM open flow (17 LPM)
Pressure Switch Cut-Off:	60 PSI (4.1 BAR)
Max Operating Pressure:	60 PSI (4.1 BAR)
Max Inlet Pressure:	30 PSI (2.2 BAR)
Internal Bypass:	Yes
Fluid Temperature Range:	32°F - 140°F (0°C - 60°C)
Self-Priming Capability:	Up to 8ft (2.4m) dry prime
Run-Dry Capable:	Yes

Compliance

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

Materials (*designates wetted path)

Upper Housing*:	Glass-filled polypropylene
Lower Housing:	Cast Aluminum
Check Valve Retainer*:	Polypropylene
Diaphragm*:	Santoprene
Check Valves*:	EPDM
Switch diaphragm*:	EPDM
Bypass Diaphragm*:	EPDM
PH Seals*:	EPDM
PH Fasteners:	Stainless Steel
Baseplate:	Nylon with Rubber Feet
Motor Casing:	Cast Aluminum; Coated Steel

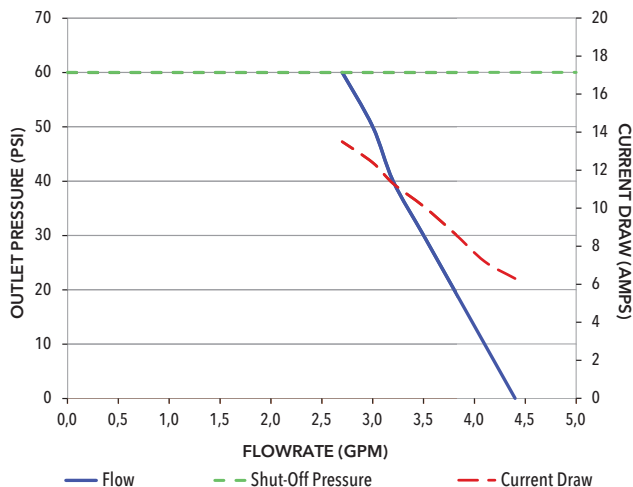
Electrical Performance (at nominal voltage)

Nominal Voltage:	12 VDC
Voltage Range:	9 VDC - 13.6 VDC
Max Current Draw:	14 Amps @ 60 PSI (4.4 BAR)
Fuse Size:	20 Amps (not included)
Duty Cycle:	Intermittent (See heat-rise chart)
Leads:	12" (305mm), 14 AWG (2.5mm ²)
Wire Connection:	Stripped Wire

Other Information

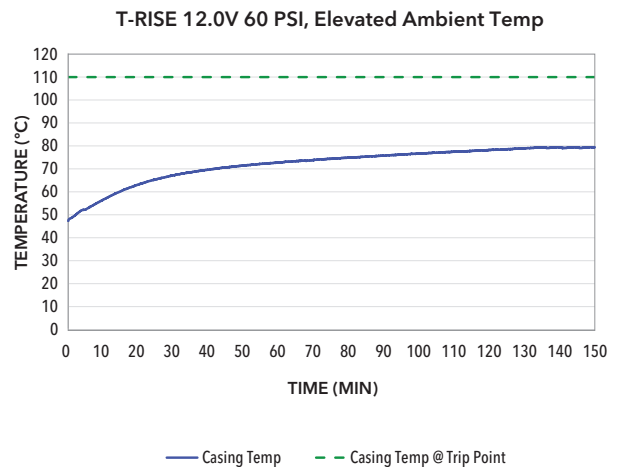
Other Information:	Industrial
Ambient Temp Range:	32°F - 140°F (0°C - 60°C)
IP Rating:	IPX6
Carton Dimensions:	11.25x5.5x5.13" (286x140x130mm)
Master Pack Dimensions:	12x12x11.5" (305x305x292mm)
Weight (pump only):	6.4 lbs (2.9 kg)
UPC Code:	705474223312

Flow Curve



Representative curve of unit operated at nominal voltage.
Performance will vary somewhat unit to unit.
Switch cut-off represents the point on the flowcurve at which the integrated pressure switch will turn off the pump.

Temperature Rise

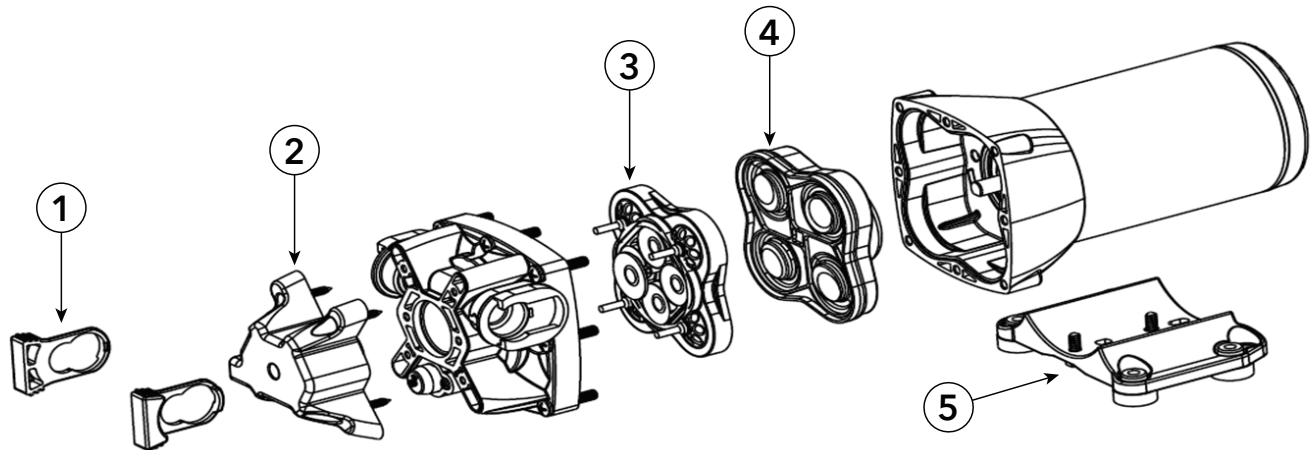


Tested in thermal chamber @ elevated ambient temp of 122°F (50°C) @ max run pressure
Trip point shown is casing temp at time of TCO trip
If there is concern about the ability of the pump to run continuously for long periods of time then in-application testing is highly recommended.

Pump Service Kits & Spares:

ITEM	DESCRIPTION
1. Port Clips	2 port clips per kit
2. Switch assembly	Switch assembly w/ wire leads, switch diaphragm, and heat shrink butt connectors
3. Check Valve Assembly	Check valve housing with suction and discharge check valves installed
4. Diaphragm/Drive Assembly	Wobble plate/diaphragm assembly
5. Baseplate/Mounting Feet	Baseplate w/rubber mounting feet installed

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:

Voltages:	12, 24, & 36 VDC 115 & 230 VAC
Flowrate Range:	1 - 6 GPM (3.8 - 22.7 LPM)
Switch Setting Range:	25 - 150 PSI (1.7 - 10.3 Bar)
Pump Configurations:	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

IOM: On website; hard copies with pumps

Warranty: Information included in IOM

Customer Service: Refer to contact info at our website

Website: www.xylem.com/Flojet

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

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a xylem brand

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