



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

- Robust design with permanent magnet motor
- Long life co-injection mold diaphragm
- Efficient, quiet operation
- Self-priming up to 8 ft. (2.4 m)
- Runs dry without damage

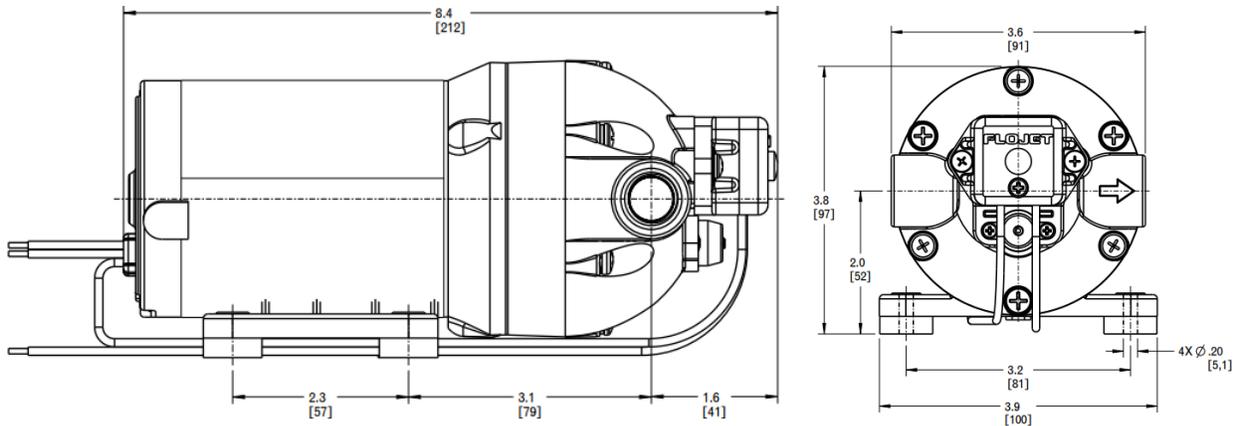
Contents

Pump unit:	Triplex 115V 2GPM S/E 60PSI BP Triplex 115V 7.6LPM S/E 4.1BAR BP
Port fittings:	Not Included
Strainer:	Not included
IOM:	Included (PN 81000409)
Carton type:	Plain box
Master pack qty.:	6

Dimensional drawing

Inches [mm]

Notes: Additional envelope space required to allow wires to bend, port fittings and hoses, etc.



Specifications

General

Part number: T20FF-318S-1P
 Aftermarket replacement: T20FF-318S-1P
 Replaces: Duplex Series
 Application: Industrial fluid transfer & spray
 Design: 3 chamber diaphragm
 3/8" NPTF ports
 Permanent magnet motor
 Noise dampening baseplate
 Thermal motor protection (TCO)

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

Hydraulic performance (at nominal voltage)

Open flowrate: 2 GPM open flow (7.6 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: 40°F - 140°F (4°C - 60°C)
 Self-priming capability: Up to 8ft (2.4m) dry prime
 Run-dry capable: Yes

Electrical performance (at nominal voltage)

Nominal voltage: 115 VAC
 Voltage range: 104 VDC – 126 VDC
 Max current draw: 0.9 Amps @ 60 PSI (4.1 BAR)
 Fuse size: 1.2 Amps (required)
 Duty cycle: Intermittent (See heat-rise chart)
 Leads: 12" (305mm), 18 AWG
 Wire connection: Stripped wire

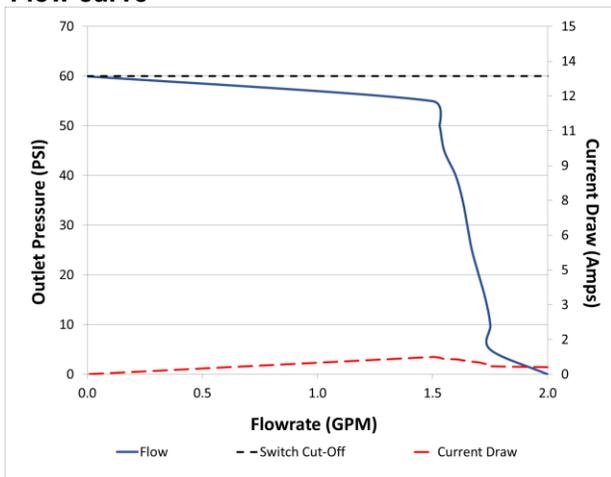
Compliance

CE: No
 UR: Pending
 RCM: No
 UKCA: No
 WEEE: No
 Country of Origin: Mexico
 HTS Code: 8413.50.0050

Other information

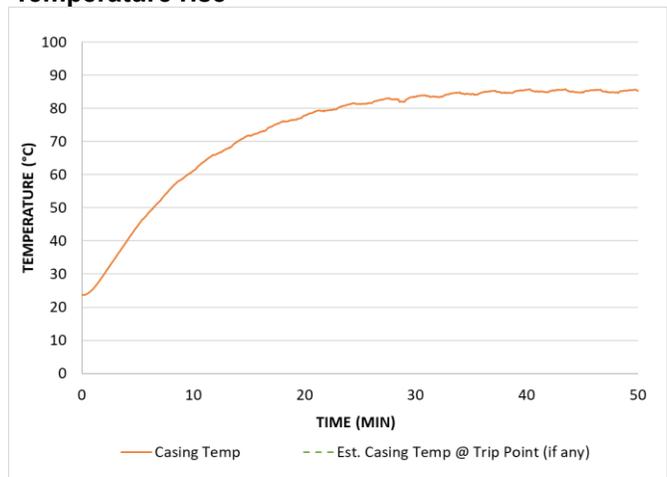
Carton dimensions: 14.25x 6x4.75" (361x152x121 mm)
 Master pack dimensions: 20.12x15.25x10.56"
 (511x387x268mm)
 Weight (pump only): 6 lbs (2.7 kg)
 UPC code: 705474224272

Flow curve



Representative curve of unit operated at nominal voltage. Performance will vary somewhat unit to unit. Flow rate at zero pressure represents Open Bucket.

Temperature rise

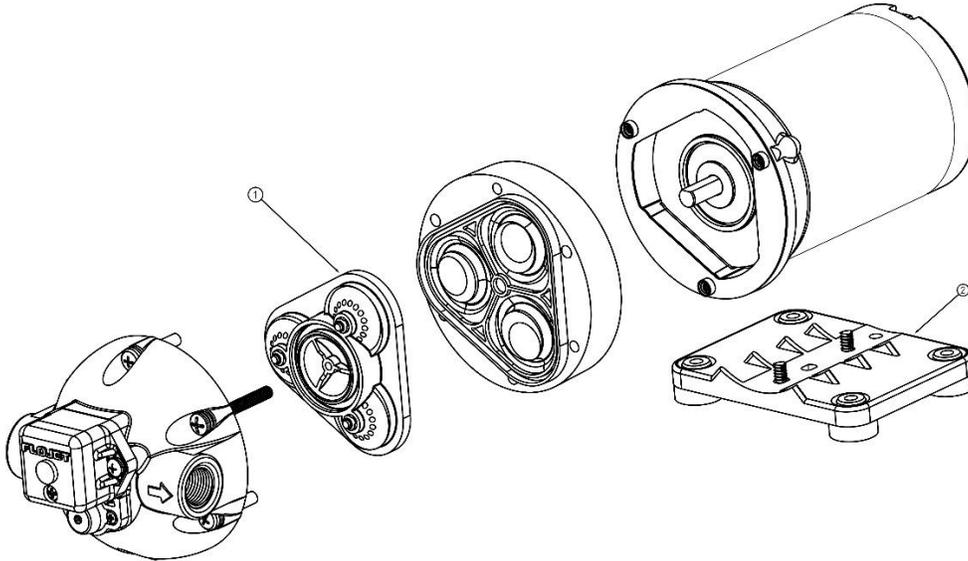


Tested @ elevated ambient temp of 70°F (21°C) @ max run pressure. Est. Casing Temp @ Trip Point may vary (+/-10°C). If there is a concern about the ability of the pump to run continuously for long periods of time, then in application testing is highly recommended.

Pump service kits & spares

Item	Description
1. Check valve assembly (EPDM): 20407035	Check valve housing with suction and discharge check valves installed
2. Baseplate/mounting feet: 11028107	Baseplate w/rubber mounting feet

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 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
- EP/PP and other blended diaphragm materials
- EPDM, FKM, and other valve/seal materials
- Some models available with transducers or vacuum switches
- Various customer options dependent on volumes

Installation & 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 IOMs 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:

Website:

Refer to contact info at our website

www.xylem.com/flojet

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