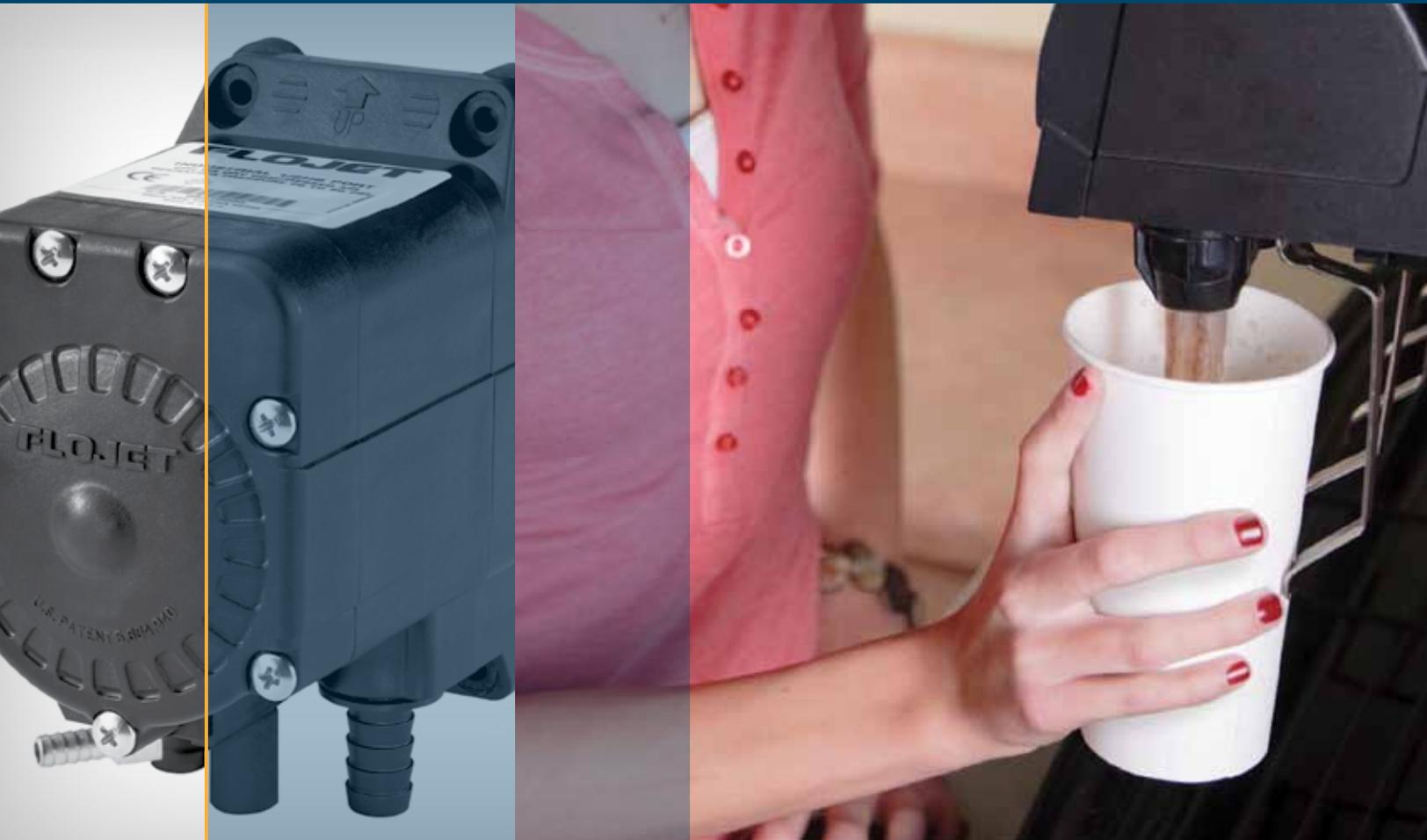




ITT

A Global Leader in Pump & Valve Solutions

Flojet | Alcon | Totton
2010 Beverage Product Catalogue



Engineered for life

FLOJET®



SPECIAL APPLICATION PUMPS
FOR ALL PURPOSES



ITT

Welcome to our brands Flojet. Alcon. Totton.

The driving force throughout ITT is to provide innovative and quality products that fulfill the expressed needs of our customers. With three highly regarded brands—Flojet, Alcon and Totton — ITT is the leader in the small pump market offering the most versatile range of beverage products available. The pumps represented in this catalog are the result of ITT's close collaboration with its customers to provide application-specific products.

ITT creates a unified culture centered on doing essential things in extraordinary ways, uses values as a compass, and makes our customers central to everything we do. ITT provides solutions integral to performance and safety in the markets ITT serves.



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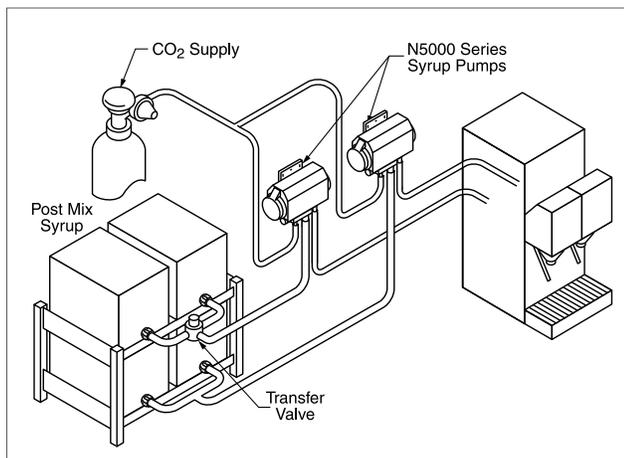
PUMPS

N5000 SERIES | T5000 SERIES



STANDARD MODEL NUMBERS

Model Number	Product Inlet Fitting	Gas Inlet Fitting	Product Outlet
N5000-130	3/8" (9.52 mm)	3/8" (9.52 mm)	1/4" (6.35 mm)
T5000-130	Barbed Straight Plastic (Celcon)	Barbed Straight Plastic (Celcon)	CO2 Inlet Plastic (Celcon)
N5000-140	3/8" (9.52 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
T5000-140	Barbed Straight Plastic (Celcon)	Barbed Straight Stainless Steel	CO2 Shutoff Brass
N5000-515	3/8" (9.52 mm)	3/8" (9.52 mm)	1/4" (6.35 mm)
T5000-515	Barbed Straight Plastic (Celcon)	Barbed Straight Stainless Steel	CO2 Shutoff Brass
N5000-135	None	None	None
T5000-135	None	None	None
Service Pump (Without Auto Shutoff)			
N5000-153	3/8" (9.52 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
T5000-153	Barbed Straight Plastic (Celcon)	Barbed Straight Stainless Steel	CO2 Shutoff Brass
High Altitude Pump or installations above 3000 ft (900 M)			



GENERAL INFORMATION

Applications

- Designed for dispensing Bag-in-Box syrups, juice concentrate (without pulp or particulates), teas, wines, and liquor
- Supplies the following from remote location:
 - Four (4) 3.0 oz. (89 ml) valves¹ or
 - Two (2) 4.5 oz. (133 ml) valves²

¹Each valve dispenses syrup at 0.50 oz./sec.

²Each valve dispenses syrup at 0.75 oz./sec.

Special Features

- Service life of 40,000 gallons (150,000 L)
- Compact design with quick disconnect fittings for simple, quick installation
- Shuts off automatically when bag is empty and restarts when a full bag is connected
- High altitude auto shut-off also available
- Fully automatic, operates only when beverage is being dispensed
- 1/4" (6.35 mm) barbed, CO2 exhaust port connection for venting away from confined areas
- Maintains constant pressure at the dispensing valve
- High suction capability empties syrup down to a minimum residual
- Recyclable materials

SPECIFICATIONS

Pump Design:	Positive Displacement, Double Diaphragm
Power Source:	CO2 Gas, Nitrogen or Compressed Filtered Air
Materials of Construction (wetted parts):	N5000: Celcon M90, Santoprene®, EPDM, 302 or 304 Stainless Steel Spring T5000: Polypropylene, Santoprene®, EPDM, 302 or 304 Stainless Steel Spring
Temperature Limits:	34° - 120° F (1.1° - 49° C)
Weight:	1.19 lbs. (0.54 kg.)
Dimensions:	5.17" H x 6.18" W x 2.42" D (131.3 mm x 156.8 mm x 61.5 mm)
Displacement:	2.5 oz. per cycle
Self Priming:	Up to 10 ft. (3.05 m)
Operating Pressure:	20 psi (1.4 bar) min. / 80 psi (5.5 bar) max.
Liquid Inlet Pressure:	10 psi (0.7 bar) max.
Flow Rate:	4.0 oz. (118.3 ml)/sec. - Open Flow
Approvals:	CE, NSF Standard 18
Warranty:	5 Years

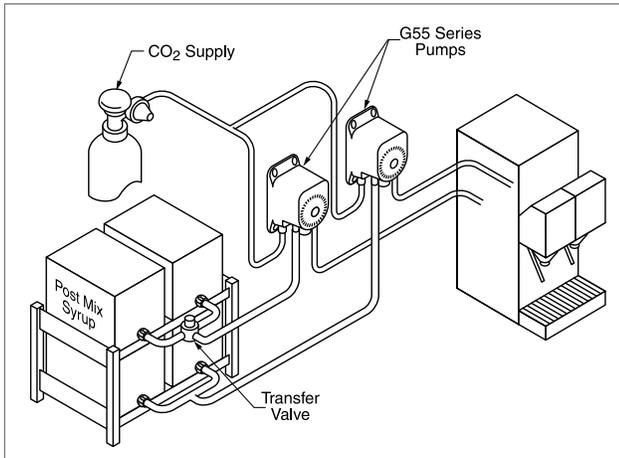
G55 SERIES



STANDARD MODEL NUMBERS

Model Number	Product Inlet Fitting	Gas Inlet Fitting	Product Outlet
G55-1022	3/8" (9.52 mm) Barbed Straight Stainless Steel	3/8" (9.52 mm) Barbed Straight Stainless Steel	1/4" (6.35 mm) CO ₂ Shutoff Brass
G55-1012	3/8" (9.52 mm) Barbed Straight Stainless Steel	1/4" (6.35 mm) Barbed Straight Stainless Steel	1/4" (6.35 mm) CO ₂ Shutoff Brass

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Designed for dispensing Bag-in-Box syrups, juice concentrate (without pulp or particulates), teas, wines, and liquor
- Supplies the following from remote location:
Four (4) 3.0 oz. (89 ml) valves¹ or
Two (2) 4.5 oz. (133 ml) valves²

¹Each valve dispenses syrup at 0.50 oz./sec.

²Each valve dispenses syrup at 0.75 oz./sec.

Special Features

- Service life of 100,000 gallons (378,541 L)
- Highest flow rate available
- High CO₂ inlet pressure capability for long runs - up to 90 psi (6.2 bar)
- Ultimate performance and reliability with extended service life
- Built-in auto shutoff, automatically shuts off pump when bag is empty and restarts when a full bag is connected
- Easy installation with all quick disconnect ports
- Recyclable materials
- High altitude shutoff also available
- Quiet operation

SPECIFICATIONS

Pump Design:	Positive Displacement, Double Diaphragm
Power Source:	CO ₂ Gas, Nitrogen or Compressed Dry Filtered Air
Materials of Construction (wetted parts):	Polypropylene, Santoprene®, EPDM, AISI 303 & 304 Stainless Steel
Temperature Limits:	34° - 120° F (1.1° - 49° C)
Weight:	1.24 lbs. (0.56 kg.)
Dimensions:	5.27" H x 3.21" W x 4.58" D (133.8 mm x 81.5 mm x 116.3 mm)
Displacement:	3.2 oz. per cycle
Self Priming:	Up to 10 ft. (3.05 m)
Operating Pressure:	20 psi (1.4 bar) min. / 90 psi (6.2 bar) max.
Liquid Inlet Pressure:	30 PSI (2.1 bar) (2.1 bar) max.
Flow Rate:	7.0 oz. (207.0 ml)/sec. - Open Flow
Approvals:	CE, SK, NSF Standard 18
Warranty:	5 Years

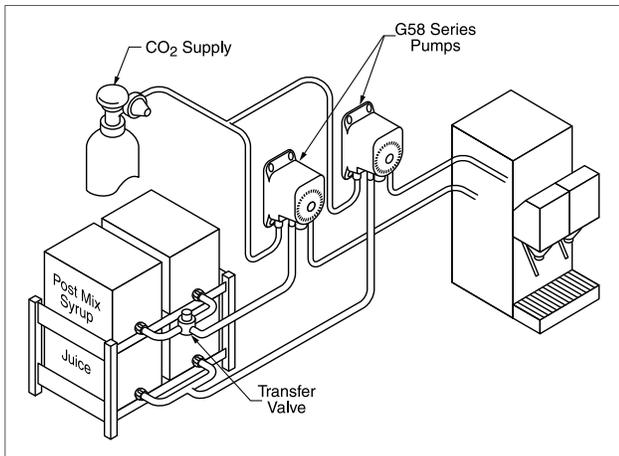
G58 SERIES | FOR JUICE CONCENTRATES AND CONDIMENTS



STANDARD MODEL NUMBERS

Model Number	Product Inlet Fitting	Gas Inlet Fitting	Product Outlet
G58-1022	3/8" (9.52 mm) Barbed Straight Stainless Steel	3/8" (9.52 mm) Barbed Straight Stainless Steel	1/4" (6.35 mm) CO2 Shutoff Brass

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Designed for dispensing BIB syrups, juice concentrates and condiments that have particulates but no pulp

Special Features

- Enlarged diameter check valves, capable of passing particulate easily
- Highest flow rate available
- High CO2 inlet pressure capability for long runs - up to 90 psi (6.2 bar)
- Ultimate performance and reliability with extended service life
- Built-in auto shutoff, automatically shuts off pump when bag is empty and restarts when a full bag is connected
- Quiet operation
- Easy installation with all quick disconnect ports
- High altitude shut-off also available

SPECIFICATIONS

Pump Design:	Positive Displacement, Double Diaphragm
Power Source:	CO2 Gas, Nitrogen or Compressed Dry Filtered Air
Materials of Construction (wetted parts):	Polypropylene, Santoprene®, EPDM, AISI 303 & 304 Stainless Steel
Temperature Limits:	34° - 120° F (1.1° - 49° C)
Weight:	1.24 lbs. (0.56 kg.)
Dimensions:	5.27" H x 3.21" W x 4.58" D (133.8 mm x 81.5 mm x 116.3 mm)
Displacement:	3.2 oz. per cycle
Self Priming:	Up to 6 ft. (1.83 m)
Operating Pressure:	20 psi (1.4 bar) min. / 90 psi (6.2 bar) max.
Liquid Inlet Pressure:	30 PSI (2.1 bar) (2.1 bar) max.
Flow Rate:	6.0 oz. (177.4 ml) /sec. - Open Flow
Approvals:	CE, NSF Standard 18
Warranty:	5 Years

G56 BEERJET

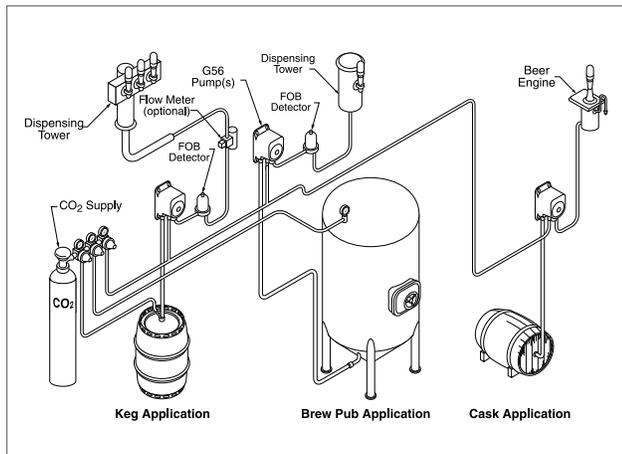


Flow Reversal Valve
(see accessories section)

STANDARD MODEL NUMBERS

Model Number	Product Inlet Fitting	Gas Inlet Fitting	Product Outlet Fitting
G56-1202	10 - 13 mm (3/8"-1/2")	10 - 13 mm (3/8"-1/2")	1/4" (6.35 mm)
	Barbed Straight Plastic (Polypropylene)	Barbed Straight Plastic (Polypropylene)	CO2 Shutoff Brass
G56-1162	10 - 13 mm (3/8"-1/2")	10 - 13 mm (3/8"-1/2")	1/4" (6.35 mm)
	Barbed Straight Plastic	Barbed Elbow Plastic	CO2 Shutoff Brass

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Dispense beer from a keg, cask or brew kettle
- Both long or short draw systems

Special Features

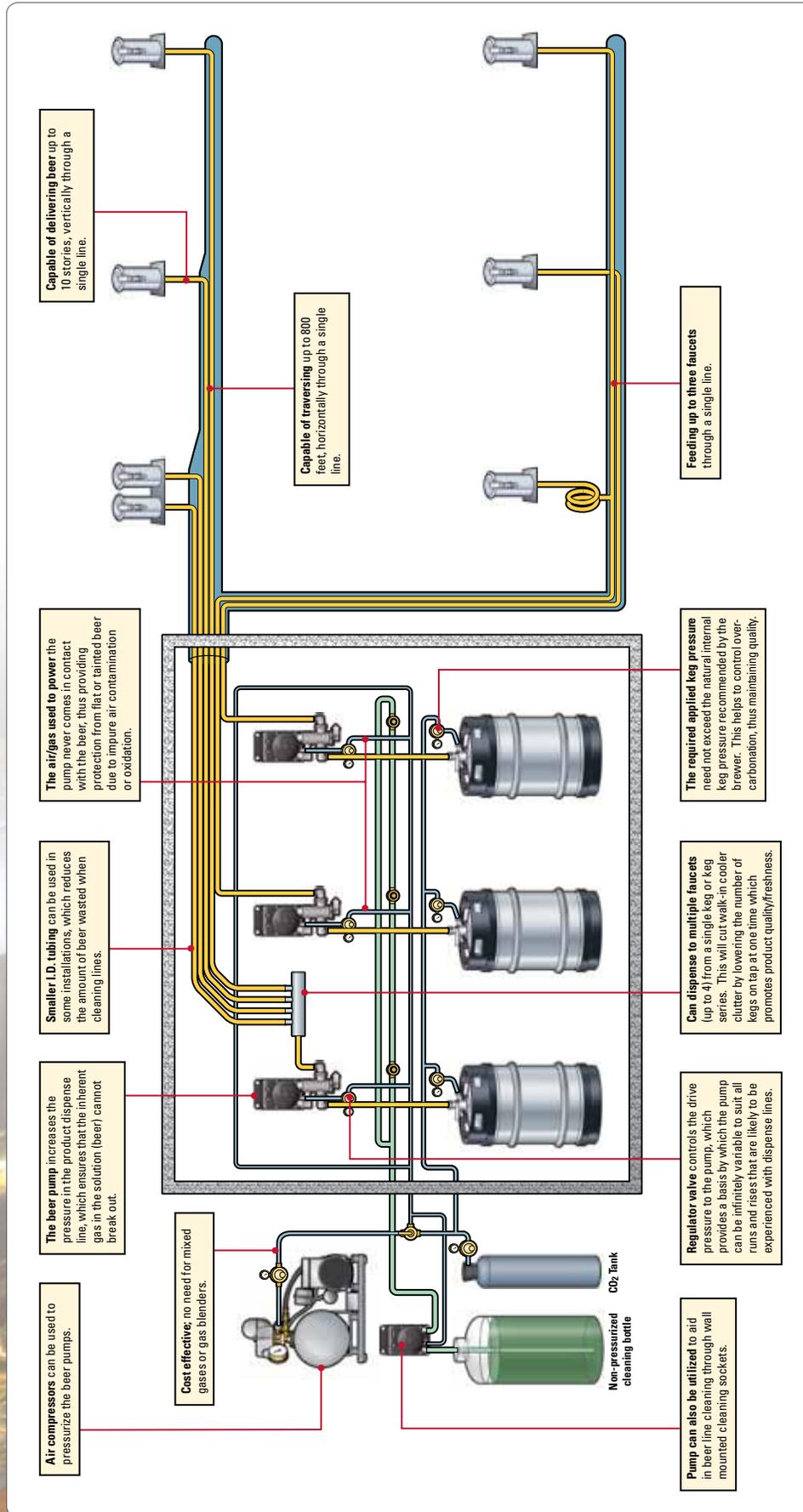
- Air compressors can be used to pressurize the beer pumps
- Cost effective; no need for mixed gases or gas blenders
- The beer pump increases the pressure in the product dispense line, which ensures that the inherent gas in the solution (beer) cannot break out
- Smaller I.D. tubing can be used in some installations, which reduces the amount of beer wasted when cleaning lines
- The air/gas used to power the pump never comes in contact with the beer, thus providing protection from flat or tainted beer due to impure air contamination or oxidation
- Capable of traversing up to 800 feet (244 m), horizontally through a single line
- Capable of delivering beer up to 10 stories (30 m), vertically through a single line
- Pump can also be utilized to aid in beer line cleaning through wall mounted cleaning sockets
- Infinitely variable to suit all runs and rises
- Can dispense to multiple faucets (up to 5) from a single keg or keg series. This will cut walk-in cooler clutter by lowering the number of kegs on tap at one time which promotes product quality/freshness
- Feeds up to three faucets through a single line

SPECIFICATIONS

Pump Design:	Positive Displacement, Double Diaphragm
Power Source:	CO ₂ , Nitrogen or Compressed Dry Filtered Air
Materials of Construction (wetted parts):	Polypropylene, Santoprene®, EPDM, AISI 304 Stainless Steel
Fluid Temperature Limits:	30° - 120° F (1.1° - 49° C)
Weight:	1.24 lbs. (0.56 kg.)
Dimensions:	5.27" H x 3.21" W x 4.58" D (133.8 mm x 81.5 mm x 116.3 mm)
Displacement:	3.2 oz. (91 ml) per cycle
Self Priming:	Up to 10 ft. (3.05 m)
Operating Pressure:	10 psi (0.7 bar) min. / 90 psi (6.2 bar) max.
Liquid Inlet Pressure:	30 PSI (2.1 bar) (2.1 bar) max.
Flow Rate:	5 GPM (18.9 LPM) - Open Flow
Approvals:	CE, SK, NSF Standard 18
Life / Mean Time:	70,000 gallons (265,000 liters)
Warranty:	3 Years

* A registered trademark of Monsanto Co.

BEVERAGE / BEER PUMPS GAS (CO2)/AIR DRIVEN



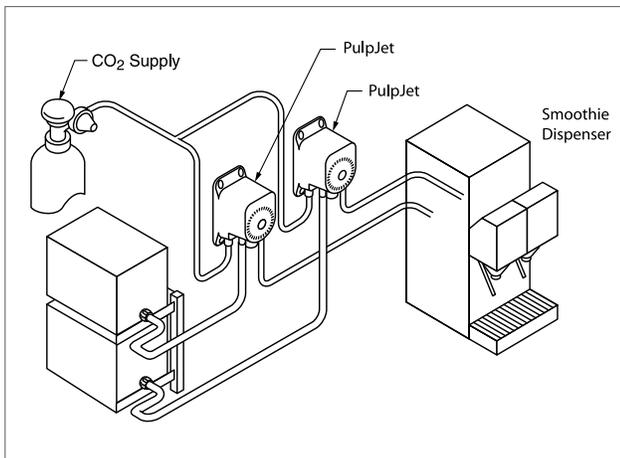
G80 PULPJET | FOR COMMERCIAL SMOOTHIE DISPENSING



STANDARD MODEL NUMBERS

Model Number	Product Inlet Fitting	Gas Inlet Fitting	Product Outlet Fitting
G80-1022	3/8" (9.52 mm) Barbed Straight Stainless Steel	3/8" (9.52 mm) Barbed Straight Stainless Steel	1/4" (6.35 mm) CO ₂ Shutoff Brass

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Designed for dispensing BIB syrups, for juice concentrates and condiments which have pulp, and particles (up to 1/8" or 3 mm)

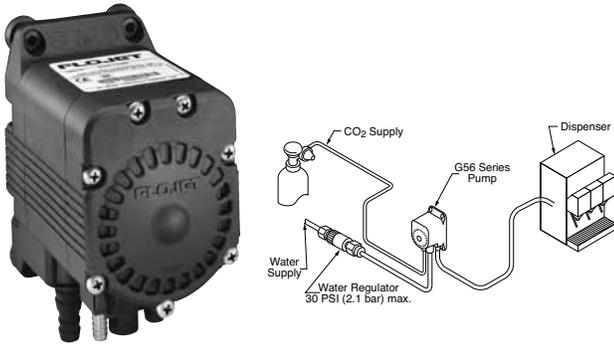
Special Features

- Patented enlarged diameter check valves, capable of passing pulp and particles easily
- Highest flow rate available. Capable of CO₂ inlet pressures up to 80 psi (5.5 bar)
- Ultimate performance and reliability with the patented shuttle valve
- Built-in auto shutoff, automatically shuts off pump when bag is empty and restarts when a full bag is connected
- Quiet operation with exhaust muffler
- Easy installation with all quick disconnect ports

SPECIFICATIONS

Pump Design	Positive Displacement, Double Diaphragm
Check Valve	Duckbill Valve Patent Pending
Power Source	CO ₂ Gas, Nitrogen or Compressed Dry Filtered Air
Materials of Construction (wetted parts)	Polypropylene, Santoprene®, EPDM, AISI 303 & 304 Stainless Steel
Temperature Limits	34° - 120° F (1.1° - 49° C)
Weight	1.24 lbs. (0.56 kg.)
Dimensions	5.27" H x 3.21"W x 4.58" D (133.8 mm x 81.5 mm x 116.3 mm)
Displacement	3.2 oz. per cycle
Self Priming	Up to 6 ft. (1.83 m)
Operating Pressure	20 psi (1.4 bar) min. / 80 psi (5.5 bar) max.
Liquid Inlet Pressure	30 PSI (2.1 bar) (2.1 bar) max.
Flow Rate	6.0 oz. (177.4 ml)/sec. - Open Flow
Approvals	NSF listed, CE
Warranty	3 years

WATER BOOSTER PUMPS | G60 SERIES



Applications

- Water boosting for filtration systems, supply carbonators, non-carbonated dispensing valves, carts, coffee machines, hand sinks, ice machines and FCB equipment
- Supplies up to 4 GPM (15 L/min). Note: If pumping over 1.7 GPM (6.4 L/min), a pulsation dampener or accumulator tank should be utilized to reduce pulsation, due to momentary shifts in flow requirements

Special Features

- Capable of CO₂ inlet pressures, up to 90 psi (6.2 bar)
- Ultimate performance and reliability, with extended service life
- Quiet operation
- Easy installation with quick disconnect ports

SPECIFICATIONS

Pump Design:	Positive Displacement, Double Diaphragm
Power Source:	CO ₂ Gas, Nitrogen or Compressed Dry Filtered Air
Materials of Construction (wetted parts):	Polypropylene, Santoprene [®] , EPDM, AISI 303 & 304 Stainless Steel
Temperature Limits:	34° - 120° F (1.1° - 49° C)
Weight:	1.24 lbs. (0.56 kg.)
Dimensions:	5.27" H x 3.21" W x 4.58" D (133.8 mm x 81.5 mm x 116.3 mm)
Displacement:	3.2 oz. (91 ml) per cycle
Self Priming:	Up to 10 ft. (3.05 m)
Operating Pressure:	20 psi (1.4 bar) min. / 90 psi (6.2 bar) max.
Liquid Inlet Pressure:	30 PSI (2.1 bar) (2.1 bar) max.
Flow Rate:	5 GPM (18.9 LPM) - Open Flow
Approvals:	CE, SK, NSF Standard 18
Warranty:	1 Year

STANDARD MODEL NUMBERS

Model Number	Product Inlet Fitting	Product Inlet Fitting	Product Outlet Fitting
G60-1215	1/2" (9.52 mm) Barbed Straight Plastic (Polypropylene)	1/2" (9.52 mm) Barbed Straight Plastic (Polypropylene)	1/4" (6.35 mm) CO ₂ Shutoff Brass

WATER BOOSTER PUMPS | K56 SERIES



Applications

- Supplies consistent water pressure to beverage dispensers, coffee machines, water filtration systems carbonators and ice machines
- Supplies up to 4 GPM (15 L/min)
- For use when water requirement is over 1.7 GPM (6.4 LPM)

Special Features

- Half-gallon (1.9 l) accumulator tank maintains constant flow requirements
- Capable of CO₂ inlet pressures up to 90 psi (6.2 bar)
- Ultimate performance and reliability, with extended service life
- Quiet operation with exhaust muffler
- Easy installation with all quick disconnect ports

SPECIFICATIONS

Pump Design:	Positive Displacement, Double Diaphragm
Power Source:	CO ₂ Gas, Nitrogen or Compressed Dry Filtered Air
Materials of Construction (wetted parts):	Polypropylene, Santoprene [®] , EPDM, AISI 303 & 304 Stainless Steel, Brass
Temperature Limits:	34° - 120° F (1.1° - 49° C)
Weight:	1.24 lbs. (0.56 kg.)
Dimensions:	12" H x 11.5" W x 7" D (304.8 mm x 292.1 mm x 177.8 mm)
Displacement:	3.2 oz. (91 ml) per cycle
Bladder Tank:	Precharged to 20 PSI (1.4 bar)
Port Fittings:	Gas Inlet & Outlet 1/4" (6.3 mm) Barbed Pump Product Inlet 1/2" (12.7 mm) Barbed Tank Product Outlet 1/2" (12.7 mm) Barbed
Self Priming:	Up to 10 ft. (3.05 m)
Operating Pressure:	60 psi (4.1 bar) min. / 90 psi (6.2 bar) max.
Liquid Inlet Pressure:	30 PSI (2.1 bar) (2.1 bar) max.
Flow Rate:	5 GPM (18.9 LPM) - Open Flow (Flow rate is higher when accumulator tank is not empty)
Approvals:	CE, NSF Standard 18
Warranty:	1 Year

STANDARD MODEL NUMBERS

Model Number	Product Inlet Fitting	Product Inlet Fitting	Product Outlet Fitting
K56-1030	1/2" (12.7 mm) Barbed Straight Plastic (Polypropylene)	1/2" (12.7 mm) Barbed Straight Nylon	1/4" (6.35 mm) CO ₂ Shutoff Brass

2820 SERIES

The Flojet 2820 Series Booster Systems are designed to provide a constant water pressure of 0 to 70 PSI (0.7 to 4.8 bar) and a maximum flow rate of 1.5 GPM at 10 PSI (0.7 bar). The pump is fully automatic, with built-in inlet strainer, pressure switch, and check valve and supplies smooth flow from a trickle to full flow. Typical uses include applications where available water pressure is very low or fluctuates widely, and as a primary water pressure system pumping from a cistern, water storage tank or other ground level water source. Easy installation only requires that the water lines be connected, and the power cord plugged in.

SPECIFICATIONS

Inlet and Outlet Ports:	3/8" (10mm) Female NPT
Motor:	Permanent Magnet TENV
Amp Draw:	115 Volt AC: 0.55 amps max., 230 Volt AC: 0.25 amps max.
Accumulator Tank:	Diaphragm: Butyl Total Volume: 0.77 gal. (3 liters) Oper. Volume: 0.16 gal. (0.6 liters)
Warranty:	1 Year

Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator.
See page 21.

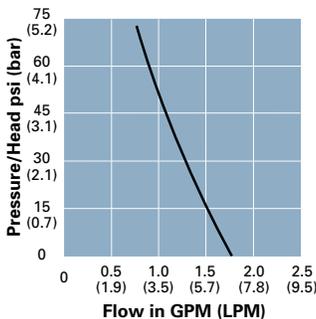
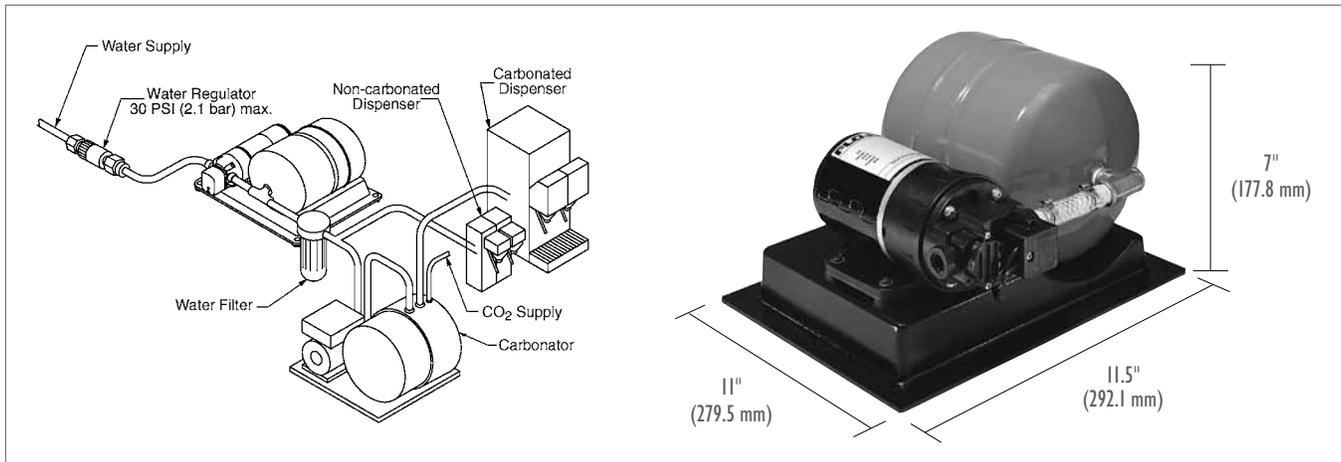
2840 SERIES

The Flojet 2840 Series Booster Systems are designed to provide a constant water pressure of 0 to 40 PSI (0.7 to 2.7 bar) and a maximum flow rate of 4.5 GPM at 10 psi (0.7 bar). The pump is fully automatic, with built-in inlet strainer, pressure switch, and check valve, and supplies smooth flow from a trickle to full flow. Typical uses include applications where available water pressure is very low, and fluctuates widely. Easy installation requires only that the water lines be connected, and the power cord plugged in.

SPECIFICATIONS

Inlet and Outlet Ports:	1/2" (13 mm) OD or 3/4" (19 mm) OD hose barb
Motor:	Permanent Magnet TENV
Amp Draw:	115 Volt AC: 1.5 amps max., 230 Volt AC: 0.75 amps max.
Accumulator Tank:	Diaphragm: Butyl Total Volume: 0.77 gal. (3 liters) Oper. Volume: 0.16 gal. (0.6 liters)
Warranty:	1 Year

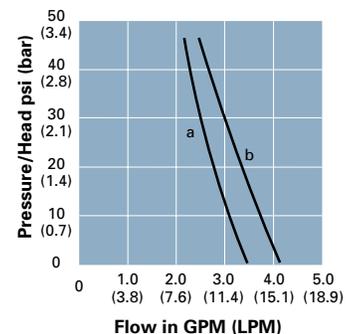
Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator.
See page 21.



STANDARD MODEL NUMBERS

Part Number	Description
2820-240	230 V AC, 70 PSI (4.8 bar) switch, 1.56 GPM (5.9 LPM)
2840-010	115 V AC, 40 PSI (2.7 bar) switch, 3.5 GPM (13.2 LPM)
2840-000	115 V AC, 40 PSI (2.7 bar) switch, 4.5 GPM (17 LPM)
2840-210	230 V AC, 40 PSI (2.7 bar) switch, 3.5 GPM (13.2 LPM)
2840-100	12V DC, 45 PSI (3.1 bar) switch, 4.5 GPM (17 LPM)

Note: Not available in Europe.

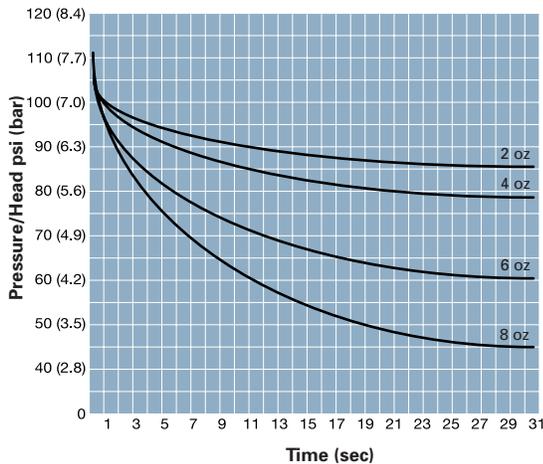


2830 SERIES

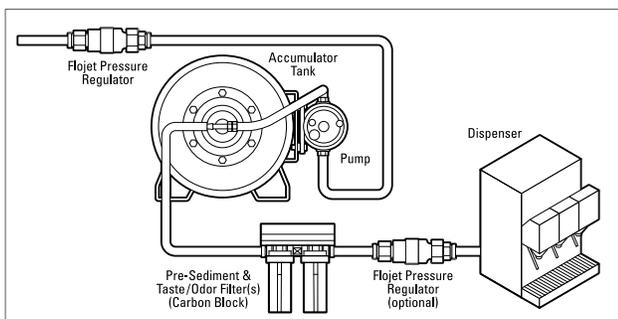


STANDARD MODEL NUMBERS

Part Number	Description
2830-000	115 AC, 100 psi (6.9 bar) max, 1.4 GPM (5.3 LPM)
2830-001	230 AC, 100 psi (6.9 bar) max, 1.4 GPM (5.3 LPM)



TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

Provides constant pressure water supply to:

- Carbonators
- Ice makers
- Non-carbonated drink dispensing valves
- Coffee / tea brewers
- FCB / frozen drink machines
- Moist-heat food holding cabinets

Special Features

- Highest capacity for its size
- Advanced pump technology for extended life
- Stainless-steel accumulator tank
- Food grade bladder
- Provides consistent pressure
- Supports carbonators, dispensing valves, and other appliances
- Highly efficient operation
- Increased draw-down time

SPECIFICATIONS

Pump Design:	Motor operated 3 chamber diaphragm
Motor Design:	Corded AC, Rectified (PMDC) AC
Wetted Parts:	Diaphragm: Santoprene Check Valve: EPDM Pump Housing: Nylon Accumulator Tank Housing: 304 Stainless Steel Accumulator Tank Bladder: Butyl (food grade)
Weight:	17.1 lbs (7.8 Kg)
Performance Specifications – Pump	
Max. Amp Draw:	115V AC: 0.95 amp 230V AC: 0.50 amp Cycle: 50/60 Hz
Liquid Temperature:	Min. 40°F (5°C) Max. 120°F (49°C)
Priming:	Dry: 6 feet (1.8m) Wet: 10 feet (3.1m)
Max. Flow:	1.4 GPM (5.3 LPM)
Max. Discharge Pressure:	150 psi (10.3 bar)
Max. Inlet Pressure:	30 PSI (2.1 bar) (2.1 bar)
Approvals:	UL, NSF, CE
Performance Specifications – Tank	
Total Capacity	Tank: 4 gallons (15 liters) Bladder, without stretching: 2.0 gallons (7.6 liters)
Draw-down Volume:	Approx. 1.8 gallons @ 50 psi air inlet (6.8 liters @ 3.5 bar)
Max. Operating Pressure:	100 psi (6.9 bar)
Max. Working Temperature:	120°F (49°C)
Port Size:	3/8" (10mm) Pump Inlet Hose Barb 1/2" (13mm) Tank Discharge Port Hose Barb

Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator.

See page 21.

NEW! HPR SERIES



NEW	STANDARD MODELS	
Series	Voltage	Port Details
HPR 6/8	230V 1Ph 50/60Hz	1/2" (12.7mm) OD
HPR 6/8	110V 1Ph 50/60Hz	15 mm OD or 3/8" (15.875 mm) ID
HPR 6/11	230V 1Ph 50/60Hz	1/2" (12.7mm) OD
HPR 6/11	110V 1Ph 50/60Hz	15 mm OD
HPR & GPR 10/15	230V 1Ph 50/60Hz	1/2" (12.7mm) standard or 15 mm optional
HPR & GPR 10/15	110V 1Ph 50/60Hz	1/2" (12.7mm) standard or 15 mm optional

Consult your local ITT representative for specific model number configurations.

GENERAL INFORMATION

Applications

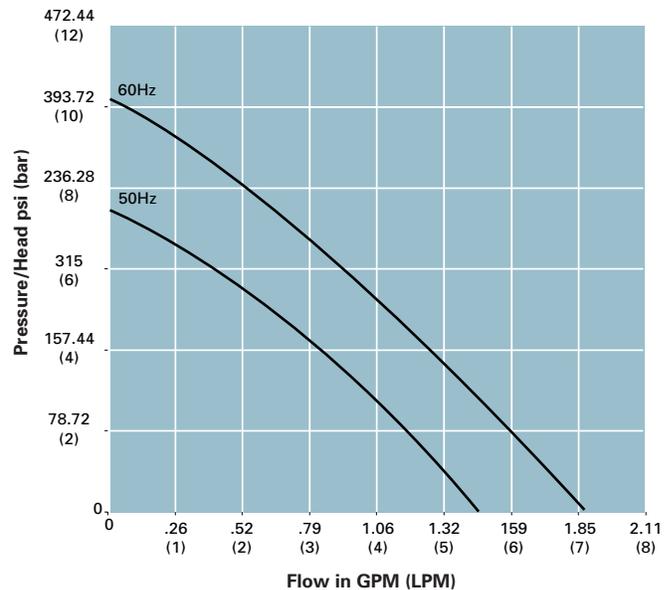
- Continuous recirculation of carbonated water, aggressive chemicals, chilled water, pure or precious liquids in high pressure systems

Special Features

- Manufactured from food grade thermoplastics
- Magnetic coupling provides an energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- Temperature stability and product purity ensured
- Leak free continuous operation
- Low condensation
- Nitrile 'O' rings standard. Other materials available
- Zero maintenance
- PPS pump head
- Long life

SPECIFICATIONS

Pump Design:	Magnetically Coupled Regenerative Pump
Materials of Construction (wetted parts):	Polypropylene, Santoprene®, EPDM, AISI 304 Stainless Steel
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Weight:	5.51 lbs. (2.5 kg.)
Dimensions:	3.86" H x 6.95" W x 4.45" D (98 mm x 176.5 mm x 113 mm)
Operating Pressure:	145 psi (10 bar) max
Flow Rate:	5.5 GPM (20.8 LPM) - Open Flow
Approvals:	UKAS, BSI



NEW! VM SERIES



Series	Voltage	Port Details
VM8/2	230V 1Ph 50Hz	Plain 15 mm or 3/8" bsp Male
VM12/2	110V or 230V 1Ph 50/60Hz	Plain 13mm or 1/4" bsp Male
VM25/2	110V or 230V 1Ph 50/60Hz	Plain 21mm or 1/2" bsp Male
VM35/3	110V or 230V 1Ph 50/60Hz	Plain 21mm or 1/2" bsp Male

Consult your local ITT representative for specific model number configurations.

GENERAL INFORMATION

Applications

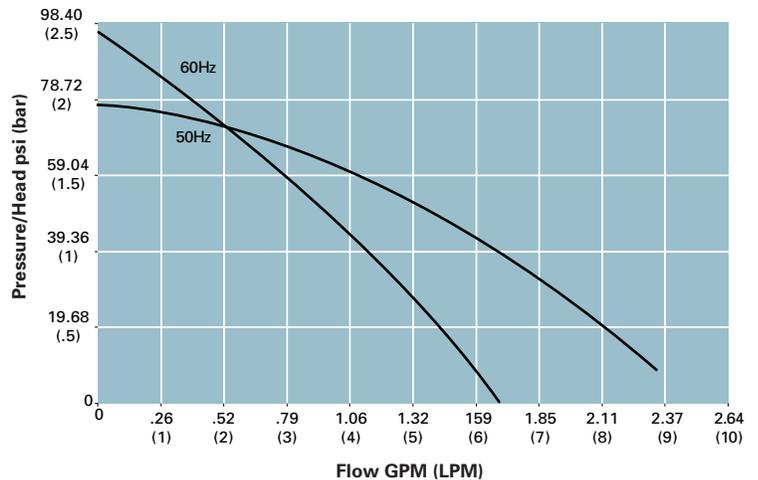
- Hot and cold drinks vending machines, where the seal-less design ensures the purity of vended liquid, preventing contaminants introducing bacteria or taste taint

Special Features

- Low power consumption
- Variable mounting foot positions
- Customer choice of plug & lead length
- Designed for a minimum 5 years normal operation

SPECIFICATIONS

Pump Design:	Positive Displacement, Double Diaphragm
Materials of Construction (wetted parts):	Polypropylene, Santoprene®, Nitrile or Silicone
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Weight:	5.51 lbs. (2.5 kg.)
Dimensions:	3.62" H x 4.72" L x 2.87" W (92 mm x 120 mm x 73 mm)
Operating Pressure:	20.3 psi (1.4 bar) max
Flow Rate:	5.5 GPM (20.8 LPM) - Open Flow
Approvals:	UKAS, BSI



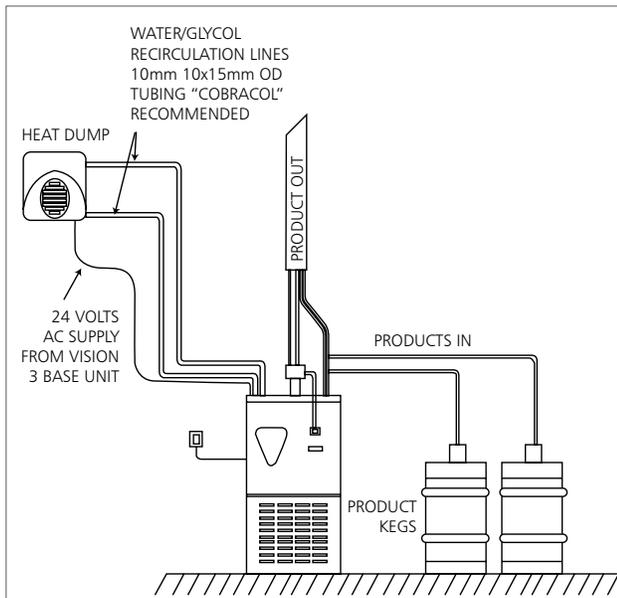
NEW! GP SERIES



Series	Voltage	Port Details
GP20/12	230V 1Ph 50Hz	Plain 15 mm or 3/8" bsp Male
GP20/12	110V 1Ph 50Hz	Plain 15mm or 3/8 bsp Male
GP20/18	110V 1Ph 50Hz	Plain 15mm or 3/8 bsp Male
GP20/18	230V 1Ph 50Hz	Plain 15 mm or 3/8" bsp Male
GP20/22	230V 1Ph 50Hz	Plain 15 mm or 3/8" bsp Male

Consult your local ITT representative for specific model number configurations.

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Specifically developed for applications requiring cost effective high head, continuous low flow for the transfer and recirculation of water and glycol solutions

Wetted Materials

- Ceramic spindle
- Nitrile 'O' ring
- PP/PPS pump housing
- Alumina ceramic graflon loaded PTFE thrust washers

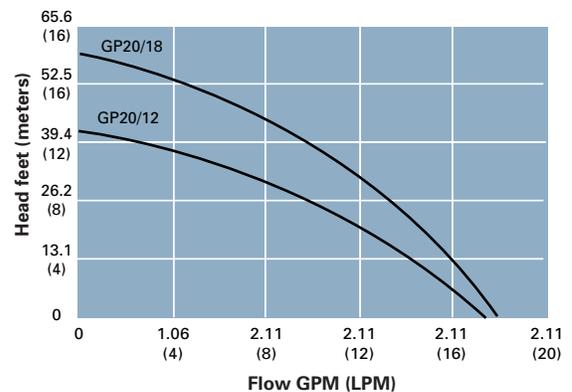
Special Features

- Magnetic couplings provide an energy efficient thermal shield, minimising heat transfer to the pumped fluids
- Variable pump body orientation
- Adaptable mounting foot positions
- Compatible with standard fittings
- IPX5 motor enclosure
- Deep groove ball bearings

SPECIFICATIONS

Model	GP20/12	GP20/18
Overall Height	5.6 in (143 mm)	5.6 in (143 mm)
Overall Length	8.6 in (218 mm)	10.1 in (259 mm)
Overall Width	4.6 in (116 mm)	4.6 in (116 mm)
Weight	6.2 lb (2.8 kg)	3.8 (8.4 kg)
Max Body Pressure	36.3 psi (2.5 bar)	36.3 psi (2.5 bar)
Run-out Flow Rate	4.6 GPM (17.4 LPM)	4.8 GPM (18.5 LPM)
Closed Valve head	41.6' (12.7 m)	59.0' (18 m)
Temp Range	-4°F to +185°F (-20° C to +85° C)	-4°F to +185°F (-20° C to +85° C)
Max Specific Gravity*	1.2	90
Motor Output	60 watts	90 watts

*Assuming max viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities



NEW!

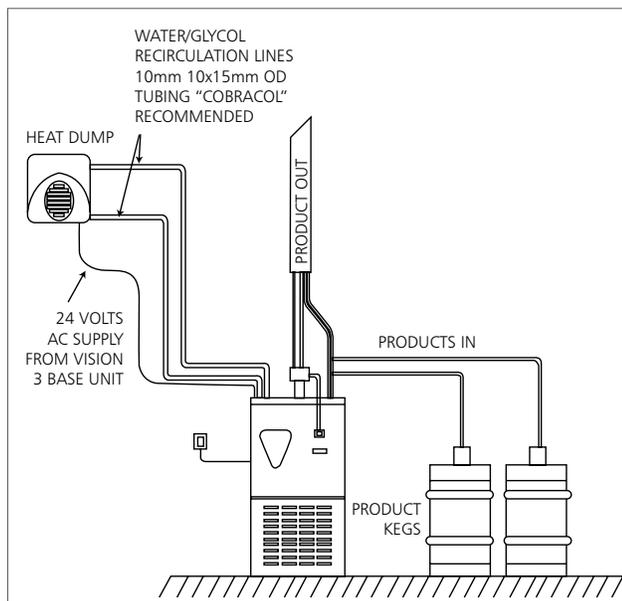
GP28/11 SERIES



Series	Voltage	Port Details
GP28/11	230V 1Ph 50Hz	Plain 15 mm
GP28/11	230V 1Ph 60Hz	Plain 15mm

Consult your local ITT representative for specific model number configurations.

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Specifically developed for applications requiring cost effective, continuous low flow for the transfer and recirculation of water and glycol solutions

Wetted Materials

- Brass spindle – ceramic optional
- Nitrile 'O' ring standard, other materials available
- StFe ceramic magnet
- PP pump housing
- PPS spindle housing
- Alumina ceramic thrust washer

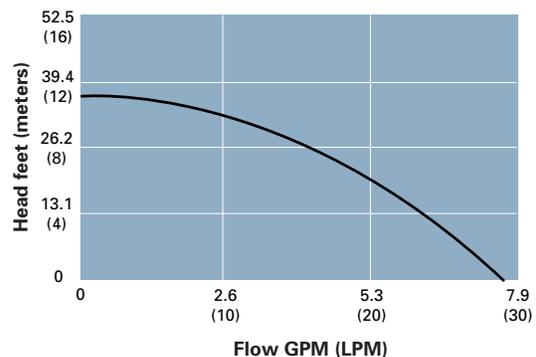
Special Features

- Magnetic couplings provide an energy efficient thermal shield, minimising heat transfer to the pumped fluids
- Variable pump body orientation
- Adaptable mounting foot positions
- Compatible with standard fittings
- IPX5 motor enclosure
- Deep groove ball bearings

SPECIFICATIONS

Overall Height	6.2 in (158mm)
Overall Length	10.4 in (264 mm)
Overall Width	5.2 in (132 mm)
Weight	7.1lb (3.2 kg)
Max Body Pressure	20.3 psi (1.4 bar)
Run-out Flow Rate	7.6 GPM (29 LPM)
Closed Valve head	36.1 ft (11 m)
Temp Range (C)	-4°F to +185°F (-20° C to +85° C)
Max Specific Gravity*	1.0
Motor Output	60 watts

*Assuming max viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities



NEW! GP50/25 SERIES



GENERAL INFORMATION

Applications

- Specifically developed for applications requiring cost effective high head, continuous medium flow for the transfer and recirculation of water and glycol solutions

Wetted Materials

- Ceramic spindle
- Nitrile 'O' ring
- PP/PPS pump housing
- Alumina ceramic/graflon loaded PTFE thrust washer

Special Features

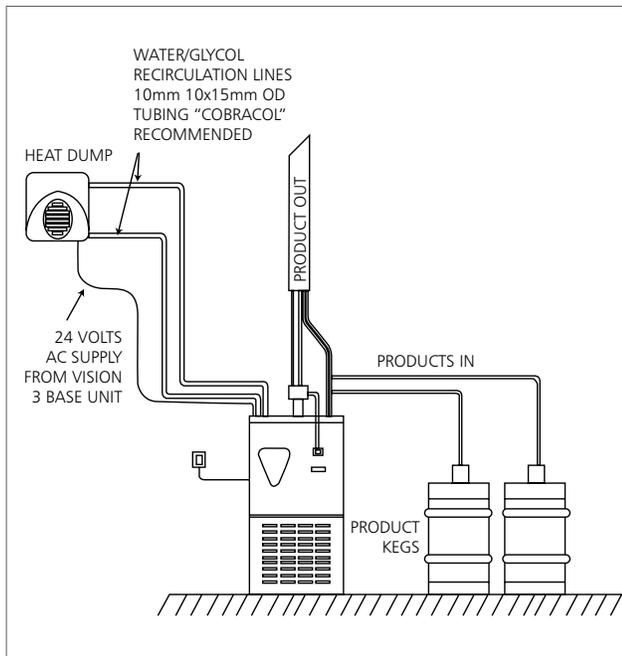
- Magnetic couplings provide an energy efficient thermal shield, minimising heat transfer to the pumped fluids
- Variable pump body orientation
- Compatible with standard pushfit fittings
- IP55 standard motor housing

NEW STANDARD MODELS

Series	Voltage	Port Details
GP50/25	230V 1Ph 50Hz	Plain 1.1 in (28 mm)
GP50/25	415V 3Ph 50Hz	Plain 1.1 in (28 mm)

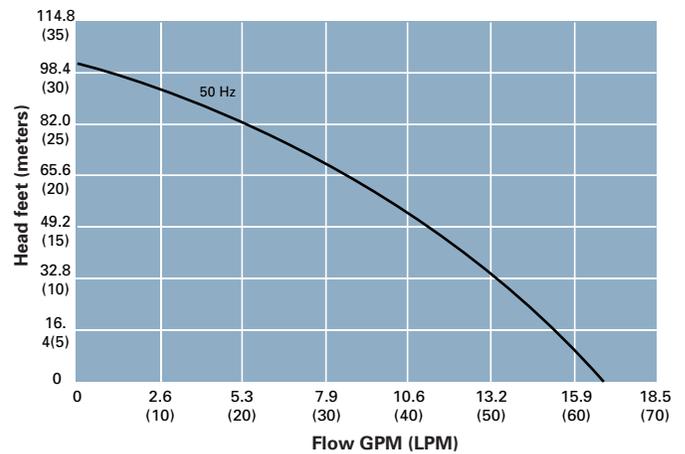
Consult your local ITT representative for specific model number configurations.

TYPICAL BEVERAGE INSTALLATIONS



SPECIFICATIONS

Pump Design:	Magnetically Coupled Centrifugal Pump
Temperature Range:	-4° - 185° F (-20° - 85° C)
Weight:	22.3 lbs. (10.1 kg.)
Dimensions:	8.1" H x 17.4" L x 6.3" W (206 mm x 443 mm x 159 mm)
Operating Pressure:	30 PSI (2.1 bar) (2.0 bar) max.
Flow Rate:	16.25 GPM (61.5 LPM) - Open Flow
Closed Valve Head:	31.5 m
Motor Output:	550 watts
Approvals:	UKAS, BSI



NEW!

SPC8/2 SERIES



GENERAL INFORMATION

Applications

- Designed for continuous operation in, chillers, coolers, vending and general water applications
- Ideal for shelf coolers

Special Features

- Up to 2.1 GPM (8 LPM), and up to 6.5 ft (2 m) head
- Low maintenance and long life
- Available with plugs and leads to suit application
- Agitator propeller fitted as standard

SPECIFICATIONS

Pump Design:	Semi-Submersible Column Pump
Materials of Construction (wetted parts):	SS mounting plate TPE impellers ABS column & pump body SS Shaft Nylon Agitator
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Motor Output	10 watts
Weight:	1.0 lbs. (1 kg.)
Dimensions:	6.85" H x 8.82" L (174 mm x 224 mm)
Operating Pressure:	.2 bar (3 psi) max.
Flow Rate:	50Hz- 2.25 GPM (8.5 LPM) or 60Hz - 2.06 GPM (7.8 LPM)- run out
Approvals:	BSI, UKAS

NEW

STANDARD MODELS

Series	Voltage	Port Details
SPC 8/2	110 or 230V 50/60Hz	Plain .47 in (12 mm)

Consult your local ITT representative for specific model number configurations.

NEW!

SPC12/4 SERIES



GENERAL INFORMATION

Applications

- Designed for continuous operation in, chillers, coolers, vending and general water applications

Special Features

- Up to 3.4 GPM (13 LPM)
- Up to 11.1 ft (3.4 m) head
- Low maintenance and long life
- Available with plugs and leads to suit application
- Agitator propeller fitted as standard

SPECIFICATIONS

Pump Design:	Semi-Submersible Column Pump
Materials of Construction (wetted parts):	SS mounting plate ABS/PP/Nylon column & pump body SS Shaft Nylon Agitator
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Weight:	3.0 lbs. (1.4kg.)
Dimensions:	3.1" H x 8.5" L x 4.3" W (80.3 mm x 216.3 mm x 109 mm)
Operating Pressure:	5.3 psi (.4 bar) max.
Motor Output	10 watts
Flow Rate:	3.4 GPM (13 LPM) - Open Flow
Approvals:	BSI, UKAS

NEW

STANDARD MODEL NUMBERS

Series	Voltage	Port Details
SPC 12/4	110 or 230V 50/60Hz	Plain.51 (13 mm)

Consult your local ITT representative for specific model number configurations.

NEW!

SPC51 SERIES



GENERAL INFORMATION

Applications

- Designed for continuous operation in, chillers, coolers, vending and general water applications

Special Features

- Up to 4.17 GPM (15.8 LPM)
- Up to 19.7 ft (6 m) head
- Low maintenance and long life
- Available with plugs and leads to suit application
- Agitator propeller fitted as standard
- Top mounted with keyhole mounting plate
- IPX4 motor housing

SPECIFICATIONS

Pump Design:	Semi-Submersible Column Pump
Materials of Construction (wetted parts):	SS mounting plate Glass filled ABS column & pump body PP Impellers SS Shaft Nylon Agitator
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Motor Output	30 watts
Weight:	4.4 lbs. (2 kg.)
Dimensions:	5.27" H x 3.21" L (107 mm x 289 mm)
Operating Pressure:	50 Hz - 9.6 psi (.6 bar) max., 60 Hz - 11.5 psi (.8 bar) max.
Flow Rate:	50HZ - 4.25 GPM (16.1 LPM) or 50HZ - 4 GPM (15.3 LPM) - run out
Approvals:	BSI, UKAS

NEW STANDARD MODELS

Series	Voltage	Port Details
SPC 51	110V or 230V 50/60Hz	Plain .43 in (11 mm)

Consult your local ITT representative for specific model number configurations.

NEW!

SPC42 SERIES



GENERAL INFORMATION

Applications

- Designed for continuous operation in, chillers, coolers, vending and general water applications

Special Features

- Up to 15.8 LPM
- Up to 39.7 ft (12.1 m) head
- Low maintenance and long life
- Available with plugs and leads to suit application
- Agitator propeller fitted as standard
- Top mounted with keyhole mounting plate
- IPX4 motor housing
- Two stage pump head

SPECIFICATIONS

Pump Design:	Semi-Submersible Column Pump
Materials of Construction (wetted parts):	SS mounting plate Glass filled ABS column & pump body PP Impellers SS Shaft Nylon Agitator
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Weight:	5.5 lbs. (2.5 kg.)
Dimensions:	4.61" H x 12.56" L (117 mm x 319 mm)
Operating Pressure:	50 Hz - 18 psi (1.2 bar) max., 60 Hz - 23 psi (1.5 bar) max.
Motor Output	60 watts
Flow Rate:	50Hz - 3.75 GPM (14.2 LPM) or 60Hz - 4.12 GPM (15.6LPM) - Open Flow
Approvals:	BSI, UKAS

NEW STANDARD MODELS

Series	Voltage	Port Details
SPC 42	110 or 230V 50/60Hz	Plain .43 in (11 mm)

Consult your local ITT representative for specific model number configurations.

NEW!

SPC43 SERIES



GENERAL INFORMATION

Applications

- Designed for continuous operation in, chillers, coolers, vending and general water applications

Special Features

- Up to 4.75 GPM (18 LPM)
- Up to 60 feet (18.3 meters) head
- Low maintenance and long life
- Available with plugs and leads to suit application
- Agitator propeller fitted as standard
- Top mounted with keyhole mounting plate
- IPX4 motor housing
- Three stage pump head

SPECIFICATIONS

Pump Design:	Semi-Submersible Column Pump
Materials of Construction (wetted parts):	SS mounting plate Glass filled ABS column & pump body PP Impellers SS Shaft Nylon Agitator
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Weight:	7.0 lbs. (3.2 kg.)
Dimensions:	5.39" H x 14.17" L (137 mm x 360 mm)
Operating Pressure:	50 Hz - 27 psi (1.8 bar) max. 60 Hz - 36 psi (2.4 bar) max.
Motor Output	90 watts
Flow Rate:	50Hz - 4.25 GPM (16.1 LPM) or 60Hz - 4.57 GPM (17.3 LPM) - Open Flow

NEW

STANDARD MODELS

Series	Voltage	Port Details
SPC 43	110 or 230V 50/60Hz	Plain .43 in (11 mm)

Consult your local ITT representative for specific model number configurations.

NEW!

SPC44 SERIES



GENERAL INFORMATION

Applications

- Designed for continuous operation in, chillers, coolers, vending and general water applications

Special Features

- Up to 4.75 GPM (18 LPM)
- Up to 75 feet (23 meters) head
- Low maintenance and long life
- Available with plugs and leads to suit application
- Agitator propeller fitted as standard
- Top mounted with keyhole mounting plate
- IPX4 motor housing
- Three stage pump head

SPECIFICATIONS

Pump Design:	Semi-Submersible Column Pump
Materials of Construction (wetted parts):	Glass filled ABS column & pump body PP Impellers SS Shaft Nylon Agitator
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Weight:	7.50 lbs. (3.4 kg.)
Dimensions:	5.39" H x 14.7" L (137 mm x 360 mm)
Operating Pressure:	50Hz - 33 psi (2.2 bar)
Motor Output	90 watts
Flow Rate:	4.23 GPM (16 LPM) - Open Flow

NEW

STANDARD MODEL NUMBERS

Series	Voltage	Port Details
SPC 44	110 or 230V 50/60Hz	Plain .43 in (11 mm)

Consult your local ITT representative for specific model number configurations.

NEW! SPC 18 SERIES



GENERAL INFORMATION

Applications

- Designed for continuous operation in, chillers, coolers, vending and general water applications

Special Features

- Up to 4.75 GPM (18.0 LPM)
- Designed for simplified remanufacture
- .47 in (12mm) motor shaft w/ angular contact drive end bearing for long life
- Flatted pump shaft for positive impeller drive & ease of maintenance
- Fitted with Liquid Ingress Prevention System (LIPS)
- Top mounted with Universal mounting plate
- IPX5 motor housing
- Three stage pump head – Fitted with 3 blade agitator

NEW STANDARD MODELS

Series	Voltage	Port Details
SPC 18	230V 50/60Hz	Plain .47 in (12mm)

Consult your local ITT representative for specific model number configurations.

SPECIFICATIONS

Pump Design:	Semi-Submersible Column Pump
Materials of Construction (wetted parts):	PP & SS mounting plate Glass filled ABS column and pump body PP impellers SS Shaft Nylon Agitator
Fluid Temperature Limits:	-4° - 185° F (-20° - 85° C)
Weight:	8.2 lbs. (3.7kg.)
Dimensions:	5.76" H x 14.9" L (146.5 mm x 378.5 mm)
Operating Pressure:	27psi (1.8bar)max.
Motor Output	90 watts
Flow Rate:	50Hz- 4.8 GPM (18 LPM) - Run out Flow
Approvals:	BSI, UKAS



NEW!



WATER PRESSURE REGULATORS

Applications

- Protects all Flojet electric and air-operated pumps from excessive inlet water pressure
- Protects ice makers, drink valves and other beverage appliances from excessive inlet water pressure

Special Features

- Available in 15, 30, 50, & 80 psi (1, 2, 3.4, 5.5 bar) max.
- Manufactured with food-grade materials
- Handles water temp. up to 150° F (66° C)
- Can withstand water hammer to 250 PSI (17.2 bar)
- Can withstand permanent pressures up to 150 PSI (10.3 bar)
- Water pressure fluctuation limited to a maximum of 15% above rated pressure
- Can be mounted in any position with numerous port options

STANDARD MODEL NUMBERS

Part Number	Description
01750300C	50 PSI (3.4 bar), NO PORTS
01750301C	50 PSI (3.4 bar), 1/2" (12.7 mm) MNPT X 1/4" (6.3 mm) HB NYLON
01750302C	50 PSI (3.4 bar), 1/2" (12.7 mm) MNPT X 3/8" (9.5 mm) HB NYLON
01750303C	50 PSI (3.4 bar), 1/2" (12.7 mm) MNPT X 1/2" (12.7 mm) HB NYLON
01750320C	30 PSI (2.1 bar) (2.0 bar), NO PORTS
01750321C	30 PSI (2.1 bar) (2.0 bar), 1/2" (12.7 mm) MNPT X 1/4" (6.3 mm) HB NYLON
01750322C	30 PSI (2.1 bar) (2.0 bar), 1/2" (12.7 mm) MNPT X 3/8" (9.5 mm) HB NYLON
01750323C	30 PSI (2.1 bar) (2.0 bar), 1/2" (12.7 mm) MNPT X 1/2" (12.7 mm) HB NYLON

NEW STANDARD MODEL NUMBERS

Part Number	Description
01752300C	50 PSI (3.4 bar), QD CONNECT, NO PORTS
01752302C	50 PSI (3.4 bar), QD CONNECT, 3/8" (9.5 mm) HB PORTS
01752320C	30 PSI (2.1 bar) (2.0 bar), QD CONNECT, NO PORTS
01752322C	30 PSI (2.1 bar) (2.0 bar), QD CONNECT 3/8" (9.5 mm) HB PORTS

Note: Consult your local factory representative for special configurations



PRESSURIZED ACCUMULATOR TANK

Special Features

- Compact pneumatic bladder tank is designed for smaller systems and spaces
- Mounts easily in any position
- Perfect for low volume water supply applications
- Includes 1/2" (12.7 mm) barbed quick-connect fittings
- Tank is pressurized to 10 psi (0.7 bar) and can be fine-tuned to the cut-in pressure of pump
- Max. working pressure: 125 psi (8.6 bar)
- Working fluid capacity: 1 quart (0.95 liters)
- NSF Standard 18 listing

STANDARD MODEL NUMBERS

Part Number	Description
30573-001	.26 gallon (1 liter) accumulator tank



PRESSURIZED MINI ACCUMULATOR TANK

Special Features

- Compact pneumatic bladder tank is designed for smaller systems and spaces
- Mounts easily in any position
- Perfect for low volume water supply applications.
- Includes 1/2" (12.7 mm) barbed quick-connect fittings
- Tank is pressurized to 10 psi (0.7 bar) and can be fine-tuned to the cut-in pressure of pump
- Max. working pressure: 125 psi (8.6 bar)
- Working fluid capacity: 21.5 oz (.65 liters)
- NSF Standard 18 listing

STANDARD MODEL NUMBERS

Part Number	Description
30573-0002B	.1 gallon (1/2 liter) accumulator tank (rubber valve)
30573-0012B	1 gallon (1/2 liter) accumulator tank (metal valve)



PRESSURIZED LARGE ACCUMULATOR TANK

Special Features

- Will smooth flow from faucets and shower, reducing pump cycling and eliminating pulsations and water hammer
- Water is totally separated from air chamber and metal tank by a bladder and polypropylene tank liner
- NSF-61 listed for all water applications
- Volume of tank is 1 gallon (3.8 liters) with a working water volume of about .6 gallon (2.3 liters)
- Mounts horizontally, vertically, or upside down
- Includes brackets and band clamps
- Port is 3/4" (19.0 mm) NPT (male)
- Pre-pressurized to 20 psi (1.4 bar)
- Tank may be fine tuned to cut-in pressure of pump

STANDARD MODEL NUMBERS

Part Number	Description
18810-0000	1 gallon (3.8 liter) accumulator tank
20799-000A	.60 gallon (2.27 liter) accumulator tank

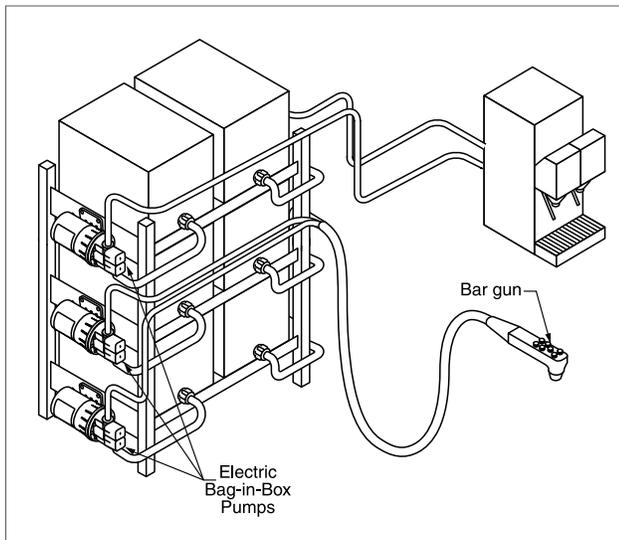
2125 SERIES



STANDARD MODEL NUMBERS

Model Number	Voltage	Pressure Switch	Operational Flow
2125-030	115 Volt AC	50 psi max. (3.4 bar)	1 oz./sec. (29.5 ml./sec.)
2125-507	115 Volt AC	90 psi max. (6.2 bar)	0.5 oz./sec. (14.8 ml./sec.)
2125-230	230 Volt AC	50 psi max. (3.4 bar)	1 oz./sec. (29.5 ml./sec.)
2125-508	230 Volt AC	90 psi max. (6.2 bar)	0.5 oz./sec. (14.8 ml./sec.)

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Designed for dispensing Bag-in-Box syrups, juice concentrate (without pulp or particulate), teas, Bag-in-Box wines and liquor
- Ideal for use in mobile carts and vending applications, where CO2 is not available

Special Features

- Built-in vacuum switch shuts off pump when bag is empty. When full bag is connected, pump will restart automatically
- Pressure switch allows pump to turn on and off automatically when dispensing valve is opened or closed
- Self-priming up to 6 ft. (1.8 m)
- Runs dry without damage

SPECIFICATIONS

Pump Design:	Double diaphragm
Ports:	1/4" (6.3 mm) NPT, female
Motor:	Permanent magnet with solid state rectifier
Cycles:	50/60 Hz
Recommended Duty Cycle:	25%
Approvals:	NSF Standard 18 UL listed
Warranty:	1 Year

Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator.

See page 21.

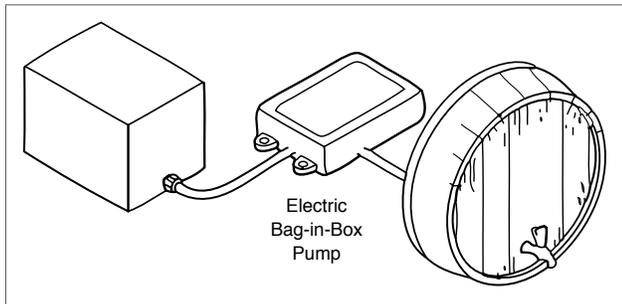
Note: Not available in Europe.

FSP ELECTRIC BAG-IN-BOX PUMP



STANDARD MODEL NUMBERS	
Part Number	Description
FSP0002A	Positive displacement double diaphragm

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Designed for dispensing wine, juice, teas or liquor from Bag-in-Box
- Ideal for under counter installation

Special Features

- Quick, simple, safe installation
- Compact size for easy mounting
- Sealed box unit with one piece molded plug and power cord
- Safety timer turns the pump off automatically after 3 minutes
- Easily accessible manual on/off switch to restart the pump
- Self priming
- Able to run dry without damage
- Quiet operation

SPECIFICATIONS	
Design:	Positive displacement double diaphragm
Voltage:	230VAC, 50/60Hz
Approvals:	IPX4 rated enclosure NSF listed, CE
Wetted Pump Parts:	Housing: Polypropylene Elastomers: EPDM & Santoprene® Check valve spring: Stainless Steel
Inlet Hose:	3/8" (9.5mm) John Guest
Liquid Temperature:	43° C Maximum
Net Weight:	6.6 lb (3 kg)
Dimensions:	Length - 8.26" (21cm) Width - 5.91" (15cm) Height - 2.95" (7.5cm)
Warranty:	1 Year

Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator.
See page 21.

SINGLE INLET



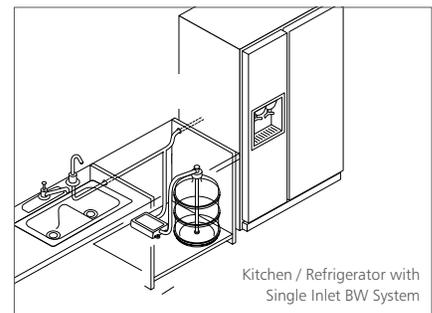
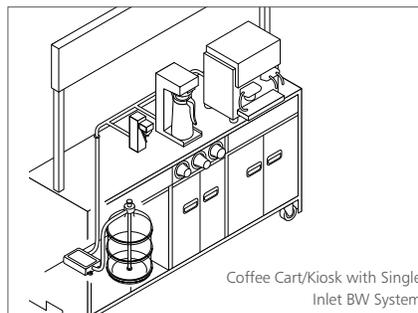
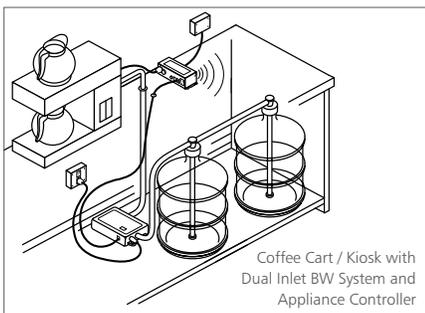
STANDARD MODEL NUMBERS

Model #	VAC	Cord Dimensions
SINGLE INLET		
BW1000A	115 VAC	3.5 ft. (1 m) cord with plug
BW2000A	230 VAC	3.5 ft. (1 m) cord stripped
BW3000A	12 VDC	12 in. (30 cm) lead wires
BW2005A	230 VAC	3.5 ft. (1 m) cord w/shuko plug
DUAL INLET		
BW1020A	115 VAC	3.5 ft. (1 m) cord with plug
BW2020A	230 VAC	3.5 ft. (1 m) cord stripped
BW3020A	12 VDC	12 in. (30 cm) lead wires
DUAL INLET WITH APPLIANCE CONTROLLER INTERFACE		
BW1520A	115 VAC	3.5 ft. (1 m) cord with plug
BW2520A	230 VAC	3.5 ft. (1 m) cord stripped
BW3520A	12 VDC	12 in. (30 cm) lead wires

SPECIFICATIONS

Voltage:	115 VAC & 230 VAC, 12 VDC	
Cycles:	50/60 Hz. for AC Models	
Current:	115 VAC	0.50 Amps. Max.
	230 VAC	0.25 Amps. Max.
	12 VDC	3.0 Amps. Max.
Maximum Flow:	1.0 GPM (3.8 LPM.)	
Maximum Pressure:	40 PSI (2.8 bar)	
Housing Material:	ABS	
Shipping Weight:	6.4 Lbs. (2.9 kg)	
Control Box	3.0 in. H x 5.5 in. W x 7.5 in. D	
Dimensions:	(76.0 mm x 140.0 mm x 190.0 mm)	

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

At just 6" (152.4 mm) x 8" (203.2 mm) the Flojet Single Inlet Bottled Water Dispensing System is the most compact system you can buy and it's the most affordable

Applications

- Designed for dispensing bottled water to coffee machines, beverage dispensers, vending machines and carts. See diagrams below
- For remote locations where water supply is inaccessible

Special Features

- Float switch for automatic shut-off when bottle is empty
- Built-in Check Valve to prevent back flow
- Universal seal cap
- Easy mounting and installation
- Upgrade kits are available
- 20' (6.1m) 0.250" (0.5cm) OD discharge hose included

Kits

- Dual inlet suction kits (convert single inlet to dual inlet) PN# 21000633A
- Appliance controller interface kit (convert legacy models to A.C. Interface configuration) PN# 91006466A
- Single inlet suction hose replacement kit PN# 21000006B
- Appliance controller PN# 91006467A
- Optional daisy chain (multi-hook up) 4-6 pin RJ-11 9' cable PN# 91006698A

DUAL INLET



STANDARD MODEL NUMBERS

Model #	VAC	Cord Dimensions
DUAL INLET		
BW1020A	115 VAC	3.5 ft. (1 m) cord with plug
BW2020A	230 VAC	3.5 ft. (1 m) cord stripped
BW3020A	12 VDC	12 in. (30 cm) lead wires
DUAL INLET WITH APPLIANCE CONTROLLER INTERFACE		
BW1520A	115 VAC	3.5 ft. (1 m) cord with plug
BW2520A	230 VAC	3.5 ft. (1 m) cord stripped
BW3520A	12 VDC	12 in. (30 cm) lead wires
SINGLE INLET		
BW1000A	115 VAC	3.5 ft. (1 m) cord with plug
BW2000A	230 VAC	3.5 ft. (1 m) cord stripped
BW3000A	12 VDC	12 in. (30 cm) lead wires

Note: Not available for Europe

GENERAL INFORMATION

Applications

- Designed for dispensing bottled water to coffee machines, beverage dispensers, vending machines and carts. See diagrams below
- For remote locations where water supply is inaccessible

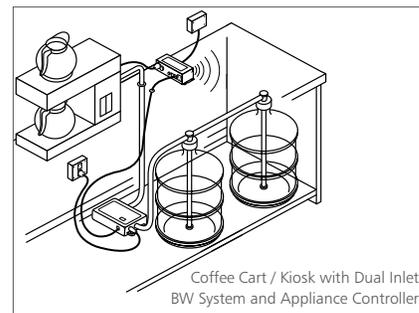
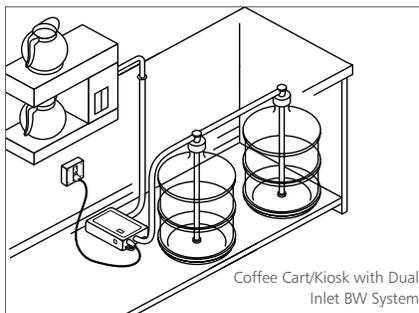
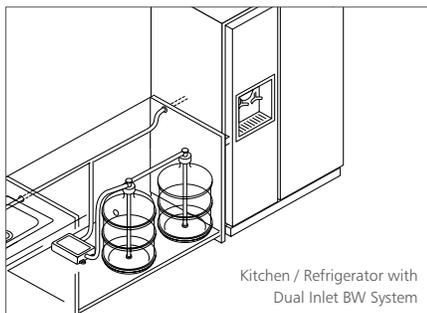
Special Features

- Float switch for automatic shut-off when bottle is empty
- Simultaneously draw from two bottles
- Patented "T" design
- Available in appliance controller interface configuration
- Backward compatibility to Flojet single Inlet BW system kits available
- Built-in check valve to prevent back flow
- Universal seal cap
- Easy mounting and installation
- 20' (6.1m) 0.250" (6.35mm) OD discharge hose included

Kits

- Dual inlet suction kits (convert single inlet to dual inlet) PN# 21000633A
- Auxiliary suction tube (no float) replacement kit PN# 21000596C
- Appliance controller interface kit (convert legacy models to A.C. interface configuration) PN# 91006466A
- Appliance controller PN# 91006467A
- Optional daisy chain (multi-hook up) 4-6 pin RJ-11 9' cable PN# 91006698A

TYPICAL BEVERAGE INSTALLATIONS



APPLIANCE CONTROLLER

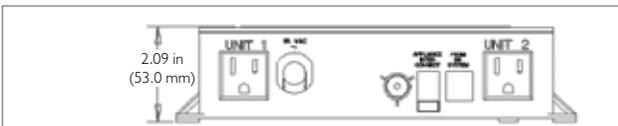
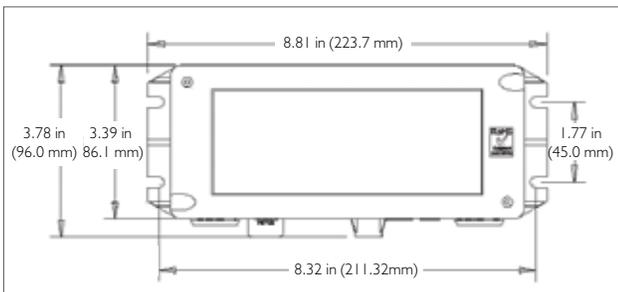
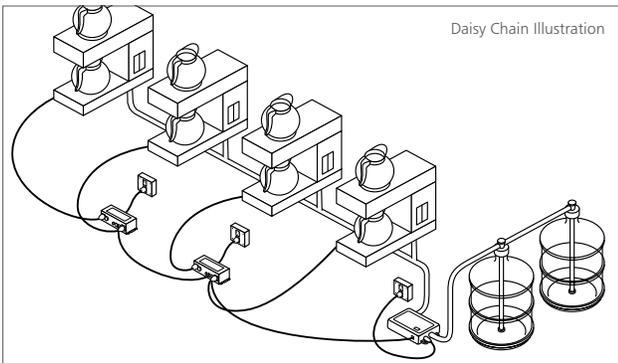
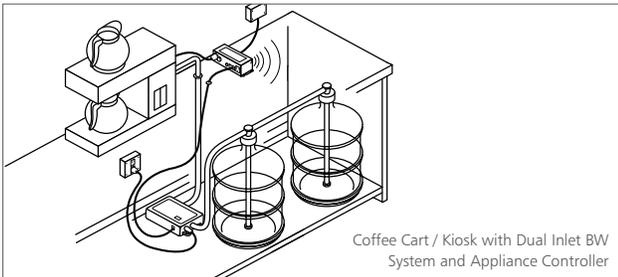


STANDARD MODEL NUMBERS

Model #	Description
91006467A	Appliance Controller
OPTIONAL KIT	
91006698A	4-6 PIN RJ-II CABLE 6 ft. (1.8m)

Note: Not available for Europe

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

Applications

- Unit is designed to work with applications drawing water from a reservoir or a bottled water system such as coffee machines and carbonator pumps at soft drink kiosks. It will sense water empty signal coming from the water level sensor and turn off coffee machine or carbonator pumps plugged into the appliance controller
- Unit is designed to detect any 0-5 VDC signal and this incoming signal can be used in many industrial applications to turn connected devices ON or OFF
- Appliance controller can be mounted over or under the counter

Special Features

- Exclusively from Flojet
- Protects two coffee maker appliances each up to 15 Amp load. Maximum capacity of 30 Amps at 115 VAC 50/60Hz
- Protects coffee maker's heating element when reservoir is out of water
- To be used with Flojet's bottled water system(s)
- Three different audible alarm sequences to indicate over current conditions, loss of input signal and disconnected cables
- Designed to work in food service & industrial applications
- Multiple controllers can be daisy chained together

SPECIFICATIONS

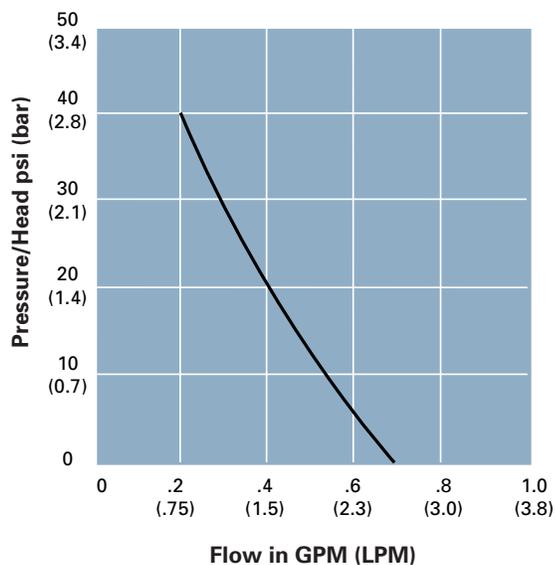
Voltage / Cycles:	115 VAC 50/60 Hz
Temperature Limits:	32° F to 158° F (0° C to 70° C)
Shipping Weight:	2.0 lbs. (0.95 kg)
Dimensions:	8.81 in. (22.4 cm) x 3.78 in. (9.6 cm) x 2.09 in. (5.3 cm)
Approvals:	UL Recognized, RoHS Compliant
Housing Materials:	Polycarbonate
AC Outlets (2):	Each 15 Amps, 115 VAC
Cord:	3 ft. (0.9m) Stripped Cable
Audible Alarm:	80 dBA max
RJ-II 4 Pins:	Daisy Chain Configuration
RJ-II 6 Pins:	BW Interface
6 Pin RJ-II Cable:	9 ft. (2.7m)
Warranty:	1 Year

LF SERIES



STANDARD MODEL NUMBERS

Model Number	Voltage	Description
LF521402	115VAC	High speed motor, 40 psi (2.7 bar) switch
LF521002	115VAC	High speed motor, no switch
LF521B02	115VAC	High speed motor, 40 psi (2.7 bar) switch, comes with 3/8" (9.5 mm) John Guest port fitting
RLF122C02	12VDC	High speed motor, 35 psi (2.3 bar) switch, comes with 1/4" (6.35 mm) John Guest ports
RLF122E02	12VDC	High speed motor, 35 psi (2.3 bar) switch, comes with 3/8" (9.5 mm) John Guest ports
RLF222C02	24VDC	High speed motor, 35 psi (2.3 bar) switch, comes with 1/4" (6.35 mm) John Guest ports
RLF222E02	24VDC	High speed motor, 35 psi (2.3 bar) switch, comes with 3/8" (9.5 mm) John Guest ports



GENERAL INFORMATION

Applications

- Low-flow, low pressure beverage dispensing and transfer
- Liquor dispense

Special Features

- Compact automatic demand or manual pump
- Self-priming
- Run-dry capability
- Low amp draw
- Built-in thermal protector

SPECIFICATIONS

Pump Design:	Reciprocating diaphragm
Flow Rate:	.15 GPM - 1 GPM (.5 LPM - 3.8 LPM)
Pressure:	Demand pump - 40psi max. (2.8 bar) Manual pump - 55psi max. (3.8 bar)
Duty Cycle ¹⁾	Intermittent
Wetted Parts:	Housing: Polypropylene Diaphragm: Santoprene® Check valve: EPDM Check valve spring: Stainless steel
Port Size:	3/8" (9.5 mm) OD hose barb, integral
Priming:	2 - 4 ft. (.6 - 1.2 M)
Liquid Temperature:	40° - 110° F (5° - 43° C)
Motor Type:	Permanent magnet
Motor Voltage:	115 VAC (12V/24 variants available, contact factory)
Warranty:	1 Year
Approvals:	CSA Compliant, NSF Standard 18

Contact the factory for other available models.

Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator.

See page 21.

DUPLEX II SERIES



STANDARD MODEL NUMBERS

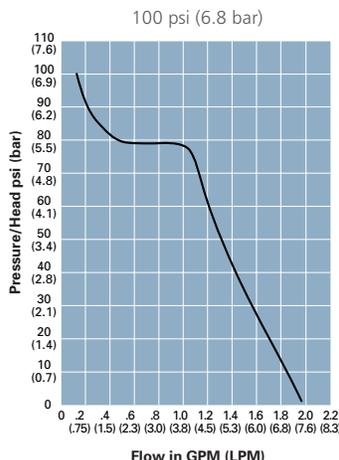
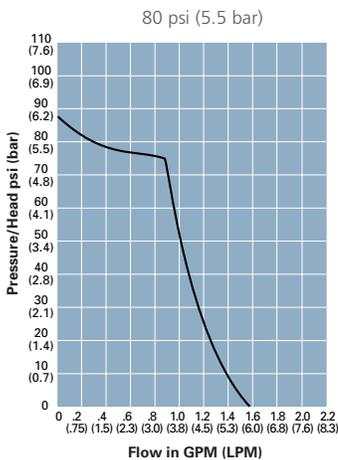
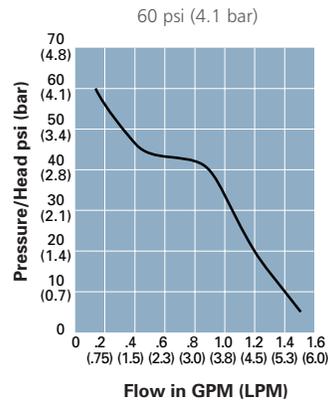
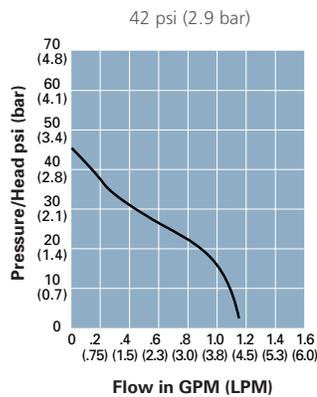
Model Number	Description
D4821H401I	115V AC, 45 psi (3.1 bar) max.
D4922H401I	230V AC, 45 (3.1 bar) psi max.
D4831H501I	115V AC, 60 (4.1 bar) psi max.
D4932H501I	230V AC, 60 (4.1 bar) psi max.
D4834H601I	115V AC, 80 (5.5 bar) psi max.
D4935H601I	230V AC, 80 (5.5 bar) psi max.
D4834H701I	115V AC, 100 (6.8 bar) psi max.
D4935H701I	230V AC, 100 (6.8 bar) psi max.

GENERAL INFORMATION

The Duplex II series of pumps incorporate the best technology and features developed by Flojet. Everything from the back flow preventer, check valves, bearings and diaphragm assembly to the motor, have been designed to make this truly the most advanced and reliable diaphragm pump available. Higher efficiency of the pump is evident in the longer life of the motor pump unit. The new diaphragm design combined with the new valves makes the pump capable of pulling higher dry vacuum. Duplex II is available in various performance ranges, voltages and with a choice of elastomers, making it easily adaptable to a diverse range of applications.

Special Features

- Self priming up to 8 feet (2.4 m)
- Can run dry without damage
- Chemical resistant material
- Intenal bypass standard
- Built-in back flow preventer
- Heavy duty ball bearing drive system
- UL, CSA and CE models available



SPECIFICATIONS

Pump:	Positive Displacement two piston design, demand pump
Flow Rate:	2.2 GPM (8.32 LPM) for high pressure models 1.6 GPM (6.05 LPM) for medium and low pressure models
Pressures:	Up to 100 PSI (6.9 bar)
Ports:	3/8" NPT female
Motor:	Permanent Magnet with solid state rectifier
Voltages:	115 & 230V AC
Cycles:	50/60 hertz for AC models
Dry Vacuum:	Up to 8 feet (2.4 m)
Pressure Switch Setting:	15, 30, 45, 60, 80 and 100 PSI (1, 2, 3.1, 4.1, 5.5, 6.9 bar)
Wetted Parts:	Polypropylene, Santoprene
Net Weight:	4 to 5 lbs. (2.28 kgs)
Maximum Operating Pressure:	100 PSI (6.08 bar)
Approvals:	NSF Standard 18, UL listed, CE

Note: 30 PSI (2.1 bar) Maximum Inlet Pressure
Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator.
See page 21.

NEW & IMPROVED!

TRIPLEX SERIES HIGH PRESSURE PUMP



GENERAL INFORMATION

Triplex High Pressure Series pumps are designed for a wide range of applications and are constructed from a selection of materials suitable for handling a broad range of chemicals. The Triplex High Pressure diaphragm pumps are self-priming and can run dry without harm. They are intended for intermittent duty cycles but can be run continuously for short periods of time. Typical uses include transfer, delivery, spraying, cooling, filtration, dispensing, and pressure boosting.

Applications

Beverage:

- Water Booster
- Water Purification
- Espresso Brewing
- Carbonation

Special Features

- Available pressures up to 150 psi (10.3 bar)
- Pump is sealed in corrosion resistant material, thus offering unparalleled performance and life
- Bypass System eliminates pulsation and cycling
- Latest co-injection mold diaphragm technology reduces potential leak paths
- No metal parts on wetted area

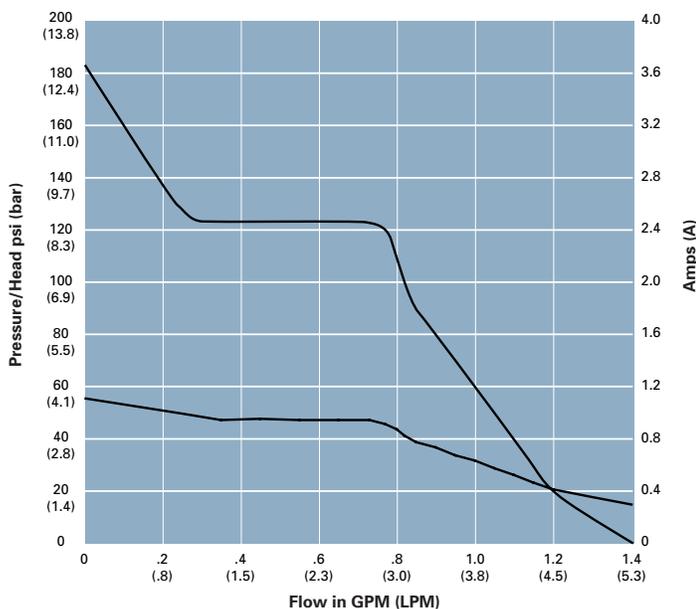
NEW STANDARD MODEL NUMBERS

Model Number	Description
03811133	12 VDC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)
03811143	12 VDC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)
03811033	115VAC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)
03811043	115VAC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)
03811233	230VAC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)
03811243	230VAC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)
R3711142	12 VDC 100 PSI (6.9 bar) 1.4 GPM (5.3 LPM)
R3711342	24 VDC 100 PSI (6.9 bar) 1.4 GPM (5.3 LPM)
R3711242	230VAC 100 PSI (6.9 bar) 1.4 GPM (5.3 LPM)
R3811142	12 VDC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)
R3811342	24 VDC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)
R3811242	230VAC 150 PSI (10.3 bar) 1.4 GPM (5.3 LPM)

SPECIFICATIONS

Motor Design (PMDC) AC:	Perm. Magnet TENV (non-ventilated)
Voltages:	115, 230V AC
Amp Draw:	1.2 Amps Max for 115VAC
Pump Head:	Glass Filled Nylon
Elastomers Diaphragm:	Santoprene®
Check Valves:	EPDM or Viton®
Max. Flow Rate:	1.4GPM (5.3LPM)
Max. Pressure:	150 PSI (10.3 Bar)
Duty Cycle:	Intermittent*
Weight:	7.6 lbs. (3.5 Kg)
Port size inlet / outlet:	3/8" NPTF
Approvals:	CE, NSF components

Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator. See page 21.



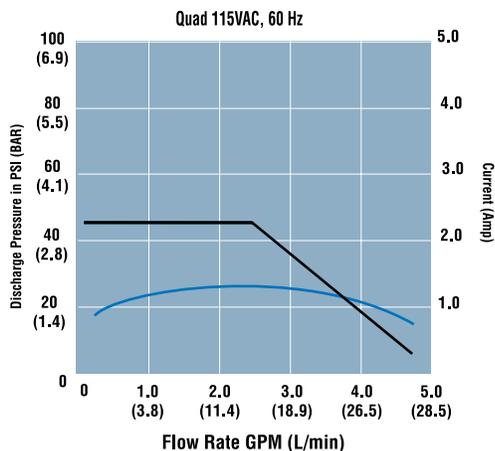
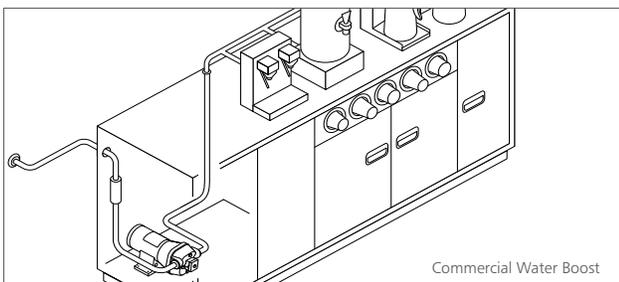
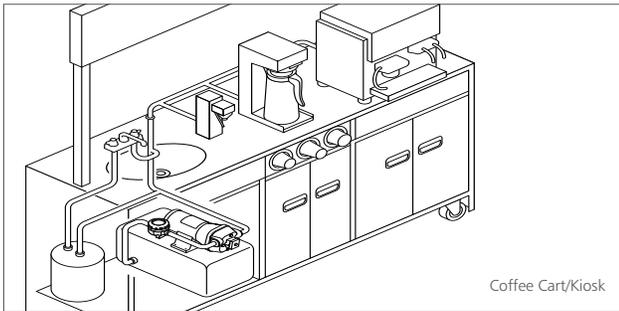
QUAD MODEL



STANDARD MODEL NUMBERS

Model #	VAC	Cord Dimensions
04524-043A	115 VAC	3 1/2" (300.8 mm) Wires
04524-500A	115 VAC	Cable with Plug

TYPICAL BEVERAGE INSTALLATIONS



GENERAL INFORMATION

The AC Variable Speed Drive constant pressure pump system matches motor speed to system demand. As more liquid is needed, the motor responds to increase flow. Conversely, as the demand lessens, the motor slows to a "super quiet" speed, always maintaining a constant system pressure. The result is exceptionally stable flow and reduced amp draw. The Flojet AC VSD sensor-controlled pumps provide stable, constant-pressure operation on any AC application. Operation from no flow to maximum flow is proportionally controlled, eliminating unwanted pump switch cycling and the need for an accumulator tank.

Special Features

- Maintains steady fluid pressure in response to variable flow demand
- No pressure switch
- Conserves energy, low amp draw
- Quiet running under normal use
- Automatically adjusts motor speed to maintain pressure
- Improves overall system performance
- Eliminates bulky accumulator tank for limited space requirements

SPECIFICATIONS

Pump Design:	Positive Displacement Diaphragm (4 Piston)
Power Source:	AC
Materials:	Polypropylene housing, Santoprene® diaphragm, EPDM check valves
Fluid Temperature Limits:	130° F (55° C)
Weight:	6.63 lbs. (3.0 kg.)
Motor:	Permanent Magnet Rectified
Amp Draw, 115 V:	1.34 Amps (@ 45 PSI)
Flow Rate, 115 V:	5.0 GPM (19 LPM) - Open Flow
Voltages:	115 V
Cycles:	60 Hz
Recommended Duty Cycle:	Intermittent
Dimensions:	3.75" H x 6.30" W x 9.00" L (95 mm x 160 mm x 221 mm)
Approvals:	UL listed, NSF pending
Warranty:	1 Year

*A registered trademark of Monsanto Co.

Note: If inlet exceeds 30 PSI (2.1 bar), pump requires 30 PSI (2.1 bar) water pressure regulator.

See page 21.



VALVES

alcon

MEETING CHALLENGES AND CUSTOMIZING SOLUTIONS

ITT Alcon, a brand of ITT Corporation, designs and manufactures solenoid valves in a wide range of materials and configurations for the water and beverage markets. Our valves are engineered for precise, reliable performance. With sealed coils and compact designs, they are ideal for many beverage applications including beverage dispense equipment and factory process systems.

ITT Alcon has manufacturing facilities in North America and Europe and has global direct sales and distribution coverage. ITT valve facilities are integrated with Six Sigma practices and employ best-in-class engineering capabilities.

In the following pages, you will find a selection of our standard products. If your application requires customization, please contact your direct sales representative or our factory.



100 SERIES



Spade connection option shown



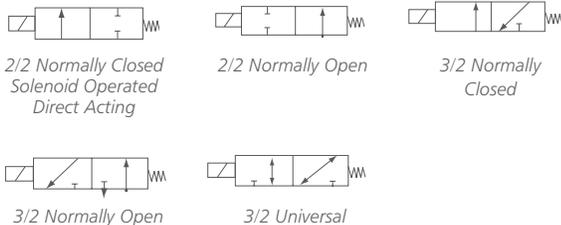
Wire leads option shown



1/2" (12.7 mm) NPT male conduit connection shown



MODES OF OPERATION



VALVE HIGHLIGHTS

- 1/8" (3.2 mm) ports
- Normally open and normally closed flow patterns
- DC magnetic latching available
- Available in polypropylene, brass and stainless steel

INTERNAL COMPONENTS

- Stainless steel

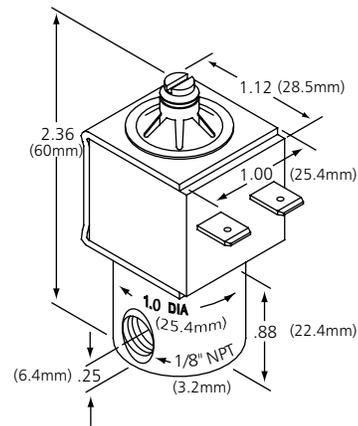
ELECTRICAL CHARACTERISTICS

- Standard coil class: A (221 °F/105 °C)
- Power consumption: 5 watts AC, 6 watts DC
- DC voltages: 12 or 24
- AC voltages: 12, 24, 120, or 240

OPERATING CHARACTERISTICS

- Operating temperature range: Up to 120 °F/49 °C
- Class A Coil

DIMENSIONAL DRAWING



STANDARD FLOW DATA

FLOW-H₂O IN GPM (LPM)

NOMINAL ORIFICE DIAMETER	MAXIMUM GPM (LPM) WATER FLOW						
	10PSI (.6 BAR)	25PSI (1.7 BAR)	50PSI (3.4 BAR)	100PSI (6.9 BAR)	150PSI (10.3 BAR)	200PSI (13.8 BAR)	250PSI (14.2 BAR)
1/32 (.031)	0.06(.23)	0.10(.37)	0.14(.52)	0.20(.75)	0.24(.91)	0.28(1.06)	.032(1.21)
3/64 (.047)	0.15(.57)	0.24(.91)	0.35(1.32)	0.46(1.74)	0.61(2.31)	0.70(2.65)	0.80(3.03)
1/16 (.063)	0.24(.91)	0.38(1.4)	0.56(2.12)	0.80(3.03)	0.98(3.71)	1.12(4.24)	1.28(4.85)
3/32 (.094)	0.51(1.93)	0.82(3.10)	1.19(4.50)	1.70(6.44)	2.05(7.76)		
1/8 (.125)	0.84(3.18)	1.34(5.07)	1.96(7.42)	2.80(10.60)			
5/32 (.156)	1.19(4.50)	1.90(7.19)					

FLOW-AIR IN SCFM (NCMM)

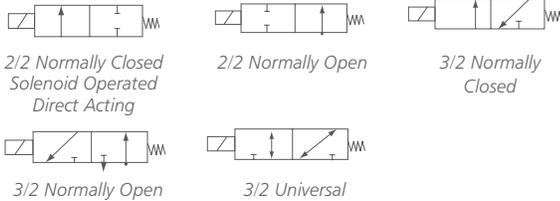
NOMINAL ORIFICE DIAMETER	MAXIMUM SCFM AIR FLOW						
	10PSI (.6 BAR)	25PSI (1.7 BAR)	50PSI (3.4 BAR)	100PSI (6.9 BAR)	150PSI (10.3 BAR)	200PSI (13.8 BAR)	250PSI (14.2 BAR)
1/32 (.031)	0.30(.09)	0.56(.11)	0.80(.24)	1.70(.52)	2.10(.64)	2.70(.82)	3.30(1.01)
3/64 (.047)	0.75(.23)	1.40(.42)	2.00(.61)	3.50(1.06)	5.25(1.61)	6.75(2.05)	8.25(2.51)
1/16 (.063)	1.20(.36)	2.24(.68)	3.20(.98)	5.60(1.71)	8.40(2.56)	10.80(3.29)	13.20(4.02)
3/32 (.094)	2.55(.78)	4.76(1.45)	6.80(2.07)	11.90(3.63)	18.60(5.67)		
1/8 (.125)	4.20(1.28)	7.84(2.39)	11.20(3.42)	19.60(5.97)			
5/32 (.156)	5.93(1.81)	11.06(3.37)					

*For model number information consult factory at 714-628-8104

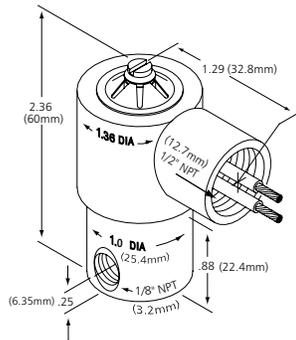
300 SERIES



MODES OF OPERATION



DIMENSIONAL DRAWING



STANDARD FLOW DATA

FLOW-H₂O IN GPM (LPM)

NOMINAL ORIFICE DIAMETER	MAXIMUM WATER FLOW						
	10PSI(6 BAR)	25PSI(1.7 BAR)	50PSI(3.4 BAR)	100PSI(6.9 BAR)	150PSI(10.3 BAR)	200PSI(13.8 BAR)	250PSI(14.2 BAR)
1/32 (.031)	0.06(.23)	0.10(.37)	0.14(.52)	0.20(.75)	0.24(.91)	0.28(1.06)	.032(1.21)
3/64 (.047)	0.15(.57)	0.24(.91)	0.35(1.32)	0.46(1.74)	0.61(2.31)	0.70(2.65)	0.80(3.03)
1/16 (.063)	0.24(.91)	0.38(1.4)	0.56(2.12)	0.80(3.03)	0.98(3.71)	1.12(4.24)	1.28(4.85)
3/32 (.094)	0.51(1.93)	0.82(3.10)	1.19(4.50)	1.70(6.44)	2.05(7.76)		
1/8 (.125)	0.84(3.18)	1.34(5.07)	1.96(7.42)	2.80(10.60)			
5/32 (.156)	1.19(4.50)	1.90(7.19)					

FLOW-AIR IN SCFM (NCMM)

NOMINAL ORIFICE DIAMETER	MAXIMUM AIR FLOW						
	10PSI (.6 BAR)	25PSI (1.7 BAR)	50PSI (3.4 BAR)	100PSI (6.9 BAR)	150PSI (10.3 BAR)	200PSI (13.8 BAR)	250PSI (14.2 BAR)
1/32 (.031)	0.30(.09)	0.56(.11)	0.80(.24)	1.70(.52)	2.10(.64)	2.70(.82)	3.30(1.01)
3/64 (.047)	0.75(.23)	1.40(.42)	2.00(.61)	3.50(1.06)	5.25(1.61)	6.75(2.05)	8.25(2.51)
1/16 (.063)	1.20(.36)	2.24(.68)	3.20(.98)	5.60(1.71)	8.40(2.56)	10.80(3.29)	13.20(4.02)
3/32 (.094)	2.55(.78)	4.76(1.45)	6.80(2.07)	11.90(3.63)	18.60(5.67)		
1/8 (.125)	4.20(1.28)	7.84(2.39)	11.20(3.42)	19.60(5.97)			
5/32 (.156)	5.93(1.81)	11.06(3.37)					

GENERAL INFORMATION

Valve Highlights

- 1/8" (3.2 mm) ports
- Normally open and normally closed flow patterns
- 1/2" (12.7 mm) internal NPT electrical connection
- ABS plastic canister material
- Available in polypropylene, brass and stainless steel
- Epoxy encapsulated coil

Internal Components

- Stainless steel

Electrical Connection

- 18 AWG, 18" (457.2mm) leads
- PVC insulation

Electrical Characteristics

- Standard coil class: A (221°F/105°C)
- Power consumption: 5 watts AC, 6 watts DC
- DC voltages: 12, or 24
- AC voltages: 12, 24, 120, or 240

Operating Characteristics

- Operating temperature range: Up to 120°F/49°C
- Class A Coil

2000 SERIES



Spade terminal option shown



DIN option shown



Wire leads option shown



GENERAL INFORMATION

Valve Highlights

- 1/4" (6.35 mm) and 3/8" (9.52mm) NPT ports
- Normally open and normally closed flow patterns
- Direct acting
- Multiple connection types available
- Polyphenylene sulfide coil encapsulant

Electrical Connection Options

- 1/4" spades
- 18 AWG, 18" (457.2mm) wire leads
- Strain relief din
- Din with 1/2" female conduit

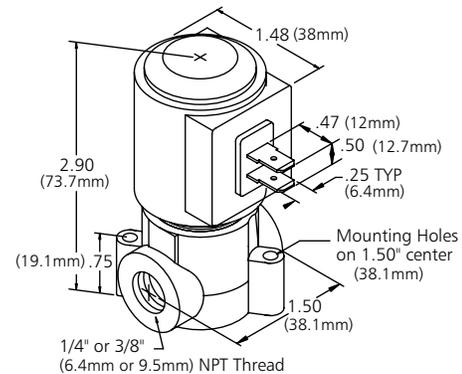
Electrical Characteristics

- Standard coil class: F (311 °F/155 °C)
- Power consumption: 12 watts AC, 14 watts DC
- DC voltages: 12, or 24
- AC voltages: 24, 120, or 240

Operating Characteristics

- Operating temperature varies depending on seal material. Consult factory for details.

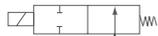
DIMENSIONAL DRAWING



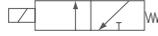
MODES OF OPERATION



2/2 Normally Closed Solenoid Operated Direct Acting



2/2 Normally Open



3/2 Normally Closed



3/2 Normally Open



3/2 Universal

STANDARD FLOW DATA

FLOW-H₂O IN GPM (LPM)

NOMINAL ORIFICE DIAMETER	MAXIMUM GPM WATER FLOW						
	10PSI (.6 BAR)	25PSI (1.7 BAR)	50PSI (3.4 BAR)	100PSI (6.9 BAR)	150PSI (10.3 BAR)	200PSI (13.8 BAR)	250PSI (14.2 BAR)
1/8 (.125)	0.58(2.20)	0.95(3.59)	1.40(5.30)	2.04(7.73)	2.44(9.34)	2.80(10.60)	3.08(11.66)
5/32 (.156)	0.73(2.76)	1.18(4.46)	1.75(6.63)	2.48(9.38)	3.05(11.55)		
3/16 (.188)	0.96(3.63)	1.56(5.91)	2.32(8.78)	3.34(12.64)			
1/4 (.250)	1.80(6.81)	2.95(11.17)	4.34(16.43)				

FLOW-AIR IN SCFM (NCMM)

NOMINAL ORIFICE DIAMETER	MAXIMUM SCFM AIR FLOW						
	10PSI (.6 BAR)	25PSI (1.7 BAR)	50PSI (3.4 BAR)	100PSI (6.9 BAR)	150PSI (10.3 BAR)	200PSI (13.8 BAR)	250PSI (14.2 BAR)
1/8 (.125)	0.20(.06)	2.0(.61)	8.0(2.44)	14.0(4.27)	19.0(5.79)	28.0(8.54)	32.0(9.75)
5/32 (.156)	.33(.10)	3.3(1.01)	13.2(4.02)	23.1(7.04)	31.2(9.51)		
3/16 (.188)	0.45(.14)	4.5(1.37)	18.0(5.48)	31.5(9.60)			
1/4 (.250)	0.62(.19)	6.2(1.89)	24.8(7.56)				

*For model number information consult factory at 714-628-8104

900 SERIES



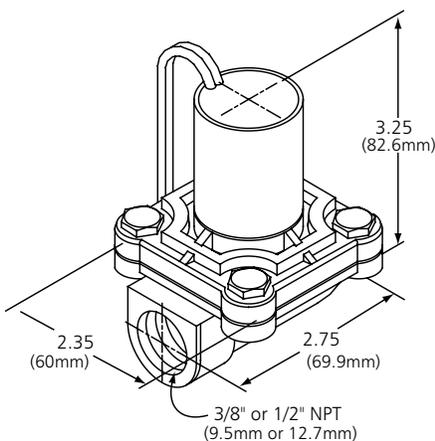
3/8" (9.52 mm) NPT port option shown



3/4" (19.1 mm) NPT port option shown



DIMENSIONAL DRAWING



GENERAL INFORMATION

Valve Highlights

- 3/8" (9.52 mm), 1/2" (12.7 mm) and 3/4" (19.1 mm) NPT ports
- Normally open and normally closed options available
- Solenoid piloted diaphragm valve

Connection Types

- 1/4" (6.35 mm) spade
- Lead wires
- 1/2" (12.7 mm) conduit male
- 1/2" (12.7 mm) conduit female

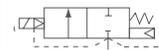
Electrical Characteristics

- Standard coil class: A (221°F/105°C)
- Power consumption: 5 watts AC, 6 watts DC
- DC voltages: 12, or 24
- AC voltages: 12, 24, 120, or 240
- UL certification on "A" and "I" connection options

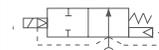
Operating Characteristics

- Operating temperature range: Up to 120°F/49°C
- Operating pressure: 10 – 150 PSI
- Max fluid temperature: 180°F/82°C
- 3/8" (9.52 mm) port max flow: 30 GPM (113.5 LPM) at 150 PSI (10.3 bar)
- 1/2" (12.7 mm) port max flow: 36 GPM (136.3 LPM) at 150 PSI (10.3 bar)
- 3/4" (19.1 mm) port max flow: 36 GPM (136.3 LPM) at 150 PSI (10.3 bar)

MODES OF OPERATION



2/2 Normally Closed Solenoid Pilot Operating



2/2 Normally Open Solenoid Pilot Operating

*For model number information consult factory at 714-628-8104

Alcon engineering information describes the operation of the Alcon solenoid valves including:

Normally Closed (2/2 or N/C)

2 way, normally closed, energize to open, on/off operation (de-energize to close), with one inlet and one outlet connection. There are 2 types of valve operation, Direct Acting and Pilot Operated.

a) Direct Acting - The coil supplies all the power to open the valve and the valve will operate from zero pressure.

b) Pilot Operated - This can be either diaphragm or piston operated. These valves have a pilot hole which is opened/closed by the coil acting upon a plunger and diaphragm or piston used to control the main orifice. The operation relies on the media pressure difference between the inlet and outlet and a minimum operating pressure is required to operate these valves unless stated as zero.

Normally Open (2/2 or N/O)

2 way, normally open, energize to close, de-energize to open, with one inlet and one outlet connection. Available direct acting or pilot operated.

Normally Closed (3/2 or N/C)

Valve open when energized, closed when de-energized. This valve operates on the same principle as the 2/2 N/C version except the valve has 3 connections, 2 orifices, one normally open, one normally closed. The use of these are for operation of actuators for larger valves where a single cylinder spring return system is employed.

The other 3/2 options are:

Normally Open (3/2 or N/O)

Valve open when de-energized, closed when energized.

Universal (3/2 or UNI)

Valve may be used as normally closed, normally open or diversion/selector valve.

Temperature Relationship

If a valve is energized for long periods, this causes a temperature rise in the coil.

Applications whereby a high ambient and high temperature media exist can be reviewed with the manufacturer to ensure combined temperatures do not exceed valve operational parameters.

Quality Assurance

ITT's Chihuahua Mexico [CUU] manufacturing facility is ISO 9000: 2004 certified. This prestigious certification highlights our implemented management system of process control, continuous improvement and high customer focus. ITT also houses R&D and engineering teams in Wolverhampton England, as well as a second world-class valve manufacturing facility.

Alcon Solenoid Valves are manufactured in compliance with current ISO standards. Each valve is 100% pressure tested for positive shut-off and "no-leak" to atmosphere. Each valve is individually packaged and fully thread protected with port caps.

Copper Winding Temperature Classification

The temperature classification indicates the maximum temperature at which the insulation system can operate for normal expected service life. In general, all materials used in a given insulation system will be rated for temperatures equal to, or exceeding, the temperature classification system specification.

INSULATION SYSTEM	TEMPERATURE RATING	
	Class A	105 °C
Class B	130 °C	266 °F
Class F	155 °C	311 °F
Class H	180 °C	356 °F

IEEE Std. 117



ACCESSORIES



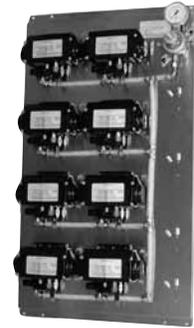
20982-100A



21000-255B



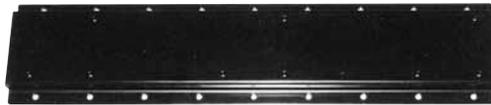
21000-296A



11028-008



21000-563



11028-508



20272-002B

MOUNTING BRACKETS

PART NUMBER	DESCRIPTION & FEATURES
20982-100A	Universal Bracket <ul style="list-style-type: none"> • For use with N5000 Series, G Series and Shurflo[®], air driven pumps • Single brackets snap together easily for multiple pump installations • Ideal for mounting on BIB rack or wall
21000-255B	Transfer Valve Mounting Bracket (12 pk.) <ul style="list-style-type: none"> • For mounting transfer valve onto N5000 Series pump or on 8 Pump • Stainless Steel Mounting Panel
21000-296A	Four Pump Plastic Mounting Bracket <ul style="list-style-type: none"> • For use with all G Series pumps • Ideal for mounting on BIB rack or wall
11028-008	Eight Pump Stainless Steel Mounting Panel <ul style="list-style-type: none"> • For use with N5000 Series pumps • Mounting positions available for air regulators and transfer valves
21000-563	90° Slide Bracket <ul style="list-style-type: none"> • Mounted on a 90° angle • Allows quick mounting of pump to 90° angle style mounting systems
11028-508	Three Pump Metal Mounting Bracket <ul style="list-style-type: none"> • For use with N5000 Series pumps • Bracket can be mounted vertically or horizontally • Black enamel finish resists corrosion • Ideal for mounting on BIB rack or wall
20272-002B	Slide Track Bracket <ul style="list-style-type: none"> • For use with N5000 Series air driven pump • Allows quick mounting of pump to slide-in style mounting systems



EXTRACTOR/DRYER

Applications

- Developed for air-driven pumps, valves, or any air-driven equipment
- Removes condensation, oil and contaminants from compressor air supply

Special Features

- Easy to install in-line
- Perform maintenance without removal of unit
- Lightweight, rust-proof aluminum housing
- Increased cost savings from decreased equipment downtime
- Weep drain for condensate removal
- Five micron rating
- Two stage filter medium
- 250 psi (17.2 bar) max inlet pressure
- NSF Standard 18

STANDARD MODEL NUMBERS

Part Number	Description
FJ-520B	Two stage air dryer, 1/4" (6.3 mm) Female NPT ports
0155K	Service kit



FLOW REVERSAL VALVE

Special Features

- Allows you to run cleaning solution in both directions through draught beer systems
- Allows for multiple lines to be cleaned at one time
- Easy-to-use valve allows for easy change from "Dispense" mode to "Reverse Flow" mode
- Optional connection variants available*
- NSF Standard 18

STANDARD MODEL NUMBERS

Part Number	Description
FRV0001	Flow Reversal Valve for G56 Beer Pump



STRAINERS

Special Features

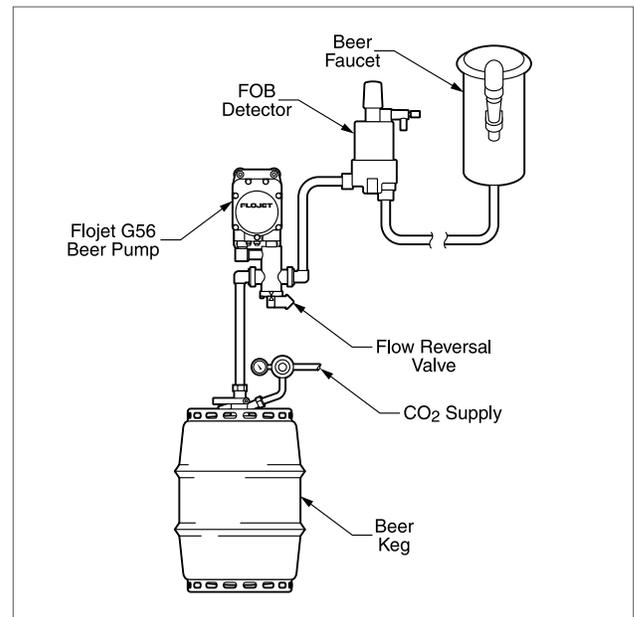
- Keeps debris and particles from entering your Flojet pump and other types of equipment
- Low profile design, for space saving installation
- Threaded bowl makes cleaning quick and easy
- Optional connection variants available*

STANDARD MODEL NUMBERS

Part Number	Inlet	Outlet	Screen
01720-002	1/2" (12.7 mm) Barb	1/2" (12.7 mm) Barb	20 Mesh SS
01720-003	3/8" (9.5 mm) Barb	3/8" (9.5 mm) Barb	20 Mesh SS
01720-102	1/2" (12.7 mm) Barb	1/2" (12.7 mm) Barb	20 Mesh PP
01720-103	3/8" (9.5 mm) Barb	3/8" (9.5 mm) Barb	20 Mesh PP
01740-002	1/2" (12.7 mm) Barb	1/2" (12.7 mm) Barb	40 Mesh SS
01740-003	3/8" (9.5 mm) Barb	3/8" (9.5 mm) Barb	40 Mesh SS
01740-365	1/2" (12.7 mm) Barb	1/2" (12.7 mm) Barb	40 Mesh PP

SS=Stainless Steel PP=Polypropylene

*Consult Flojet document # F100-072





TRANSFER VALVES

Valve Highlights

- Automatically changes from empty to full bag without interrupting flow
- Can operate multiple banks of BIB, horizontally
- Label indicates which BIB is “on-line”
- Can be mounted in any position
- Can be manually operated

STANDARD MODEL NUMBERS

Part Number	Description
1500-030	Regular-automatic switching @ 16" (406.4 mm)(+ or - 2"(50.8mm)) Hg.
1500-130	Regular with swivel elbow fittings
1500-031	High altitude, 3,000+ ft. (900+ m); automatic switching @ 11"(279.4 mm) - 14'(4.3 m) Hg.
1500-131	High altitude with swivel elbow fittings
1500-050	Regular-automatic switching @ 16"(406.4mm)(+ or - 2"(50.8mm)) Hg, 1/2" ports

SPECIFICATIONS

Design:	Vacuum Operated, Snap Action Diaphragm
Connections:	3/8" (9.5 mm) Hose Barb
Approvals:	NSF Standard 18



AUTO SHUTOFF

Applications

- For use with N5000 Series pumps
- Automatically shuts off pump when BIB bag is empty
- NSF Standard 18

STANDARD MODEL NUMBERS

Part Number	Description
20308-130	Auto shutoff valve, 1/4" (6.3 mm) plastic straight CO2 shutoff valve
20308-131	High altitude auto shutoff valve, 1/4" (6.3 mm) plastic straight CO2 shutoff valve



SYRUP SOLD OUT SWITCH

Special Features

- Illuminates “sold out” light to indicate empty BIB and temporarily disables dispensing valve

STANDARD MODEL NUMBERS

Part Number	Description
2095-502	Syrup Sold Out Switch, for 1/4" (6.3 mm) ID tubing
2095-540	Syrup Sold Out Switch, for 3/8" (9.5 mm) ID tubing

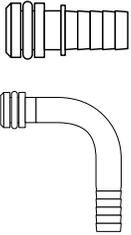
SPECIFICATIONS

Design:	Pressure/Electrical Operation
Pressure Switch:	Opened 20 psi (1.4 bar), Closed 13 psi (0.9 bar). Normally open
Voltage:	24 Volt AC power
Cycle:	50/60 Hz
Connections:	1/4" (6.3 mm) OD or 3/8" (9.5 mm) OD hose barbed
Approvals:	NSF Standard 18, UL listed

GAS PUMP - LIQUID FITTINGS STAINLESS STEEL PRODUCT INLETS & OUTLETS

For Use With

All N5000 Series, G55, G5A and G58 Series Pumps

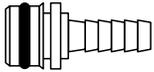


STANDARD MODEL NUMBERS

Part Number	Description
20324-030	1/4" (6.3 mm) Hose Barb, Straight
20325-030	3/8" (9.5 mm) Hose Barb, Straight
20606-100	1/2" (12.7 mm) Hose Barb, Straight
20607-100	1/4" (6.3 mm) Hose Barb, Elbow
20608-100	3/8" (9.5 mm) Hose Barb, Elbow

For Use With

G56 and K56 Series Pumps



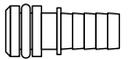
STANDARD MODEL NUMBERS

Part Number	Description
21000-131A	1/4" (6.3 mm) Hose Barb, Straight
21000-130A	3/8" (9.5 mm) Hose Barb, Straight

PLASTIC PRODUCT INLETS & OUTLETS

For Use With

All N5000 Series, G55 and G58 Series Pumps

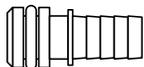


STANDARD MODEL NUMBERS

Part Number	Description
20325-031	3/8" (9.5 mm) Hose Barb, Straight

For Use With

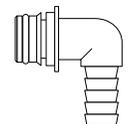
All G56 Series and K56 Series Pumps.



STANDARD MODEL NUMBERS

Part Number	Description
20381-026	10-13mm (3/8"-1/2") Hose Barb, Straight
20381-002	1/2" (12.7 mm) Hose Barb, Straight
20381-024	10-13mm (3/8"-1/2") Hose Barb, Elbow
20381-009	1/2" (12.7 mm) Hose Barb, Elbow

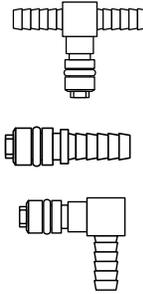
* Packaged 2 per bag



GAS PUMP - AIR FITTINGS BRASS CO2/AIR INLETS WITH SHUTOFF VALVE

For Use With

All N5000 Series and G Series Pumps



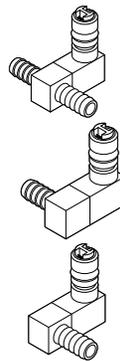
STANDARD MODEL NUMBERS

Part Number	Description
1510-000	1/4" (6.3 mm) Hose Barb, Straight
1520-000	1/4" (6.3 mm) Hose Barb, Tee
1521-000	1/4" (6.3 mm) Hose Barb, Elbow

OFFSET BRASS CO2/AIR INLETS W/SHUTOFF VALVE

APPLICATIONS

- Facilitates manifolding CO2 lines of multi-pump kits, when pumps are mounted vertically.
- Eliminates obstruction of CO2/airlines by fluid lines or ports.



STANDARD MODEL NUMBERS

Part Number	Description
91010-002	3/8" NPT Male x 3/8" (9.5 mm) Barb
91010-004	1/4" NPT Male x 3/8" (9.5 mm) Barb
91010-006	3/8" NPT Male x 1/2" (12.7 mm) Barb
91010-032	3/8" NPT Male x 1/4" (6.3 mm) Barb
91010-053	1/4" NPT Male x 1/4" (6.3 mm) Barb

PLASTIC CO2/AIR INLETS

For Use With

All N5000 Series and G Series Pumps



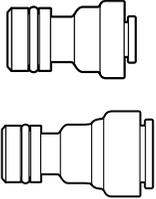
STANDARD MODEL NUMBERS

Part Number	Description
20325-033	1/4" (6.3 mm) Hose Barb, Straight

JOHN GUEST FITTINGS PRODUCT INLET & OUTLET FITTINGS

For Use With

All N5000 Series, G55, G5A and G58 Series Pumps

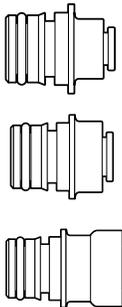


STANDARD MODEL NUMBERS	
Part Number	Description
21000-231B	For use with 1/4" (6.3 mm) O.D. Tubing
21000-232B	For use with 3/8" (9.5 mm) O.D. Tubing

* Packaged 12 per bag

For Use With

G56 and K56 Series Pumps



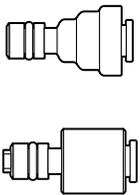
STANDARD MODEL NUMBERS	
Part Number	Description
21000-228B	For use with 1/4" (6.3 mm) O.D. Tubing
21000-229B	For use with 3/8" (9.5 mm) O.D. Tubing
21000-230B	For use with 1/2" (12.7 mm) O.D. Tubing

* Packaged 12 per bag

AIR/CO2 FITTINGS

For Use With

All N5000 Series and G Series Pumps



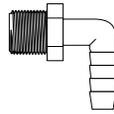
STANDARD MODEL NUMBERS	
Part Number	Description
21000-233B	Plastic Fitting, for use with 1/4" (6.3 mm) OD tubing
21000-234B	Brass CO2 Fitting with shutoff, for use with 1/4" (6.3 mm) O.D. tubing

* Packaged 12 per bag

ELECTRIC PUMP FITTINGS NYLON BARBED ELBOW

For Use With

All Duplex II and 2820 Series (3/8" NPT only) and 2125 Series Pumps (1/4" NPT only)

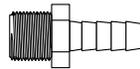


STANDARD MODEL NUMBERS	
Part Number	Description
91010-001	3/8" NPT Male x 3/8" (9.5 mm) Barb
91010-003	1/4" NPT Male x 3/8" (9.5 mm) Barb
91010-005	3/8" NPT Male x 1/2" (12.7 mm) Barb
91010-033	3/8" NPT Male x 1/4" (6.3 mm) Barb
91010-052	1/4" NPT Male x 1/4" (6.3 mm) Barb

NYLON BARBED STRAIGHT

For Use With

All Duplex II and 2820 Series (3/8" NPT only) and 2125 Series Pumps (1/4" NPT only)



STANDARD MODEL NUMBERS	
Part Number	Description
91010-002	3/8" NPT Male x 3/8" (9.5 mm) Barb
91010-004	1/4" NPT Male x 3/8" (9.5 mm) Barb
91010-006	3/8" NPT Male x 1/2" (12.7 mm) Barb
91010-032	3/8" NPT Male x 1/4" (6.3 mm) Barb
91010-053	1/4" NPT Male x 1/4" (6.3 mm) Barb



TECHNICAL
INFORMATION

CONVERSION DATA



	TO CONVERT	TO	MULTIPLY BY	
BAR	BAR	PSI	14.5	
CENTIMETERS	Centimeters	Inches	0.3937	
	Centimeters	Feet	0.03280	
	Centimeters	Meters	0.01	
	Centimeters	Millimeters	10	
CUBIC CENTIMETERS	Cubic Centimeters	Cubic feet	3.53×10^{-5}	
	Cubic Centimeters	Cubic inches	6.102×10^{-2}	
	Cubic Centimeters	Cubic meters	10^{-6}	
	Cubic Centimeters	Cubic yards	1.308×10^{-6}	
	Cubic Centimeters	Gallons	2.642×10^{-4}	
	Cubic Centimeters	Liters	10^{-3}	
	Cubic Centimeters	Pints (liq.)	2.113×10^{-3}	
	Cubic Centimeters	Quarts (liq.)	1.057×10^{-3}	
CUBIC FEET	Cubic Feet	Cubic centimeters	2.832×10^4	
	Cubic Feet	Cubic inches	1728	
	Cubic Feet	Cubic meters	0.02832	
	Cubic Feet	Cubic yards	0.03704	
	Cubic Feet	Gallons U.S.	7.48052	
	Cubic Feet	Imperial Gallons	6.23	
	Cubic Feet	Liters	28.32	
	Cubic Feet	Pints (liq.)	59.84	
	Cubic Feet	Quarts (liq.)	29.92	
	CUBIC INCHES	Cubic Inches	Cubic centimeters	16.39
Cubic Inches		Cubic feet	5.787×10^{-4}	
Cubic Inches		Cubic meters	1.639×10^{-5}	
Cubic Inches		Cubic yards	2.143×10^{-5}	
Cubic Inches		Gallons	4.329×10^{-3}	
Cubic Inches		Liters	1.639×10^{-2}	
Cubic Inches		Pints (liq.)	0.03463	
Cubic Inches		Quarts (liq.)	0.01732	
FEET		Feet	Centimeters	30.48
		Feet	Inches	12
	Feet	Meters	0.3048	
	Feet	Yards	1/3	
GALLONS, U.S.	Gallons, U.S.	Cubic centimeters	3785	
	Gallons, U.S.	Cubic feet	0.1337	
	Gallons, U.S.	Cubic inches	231	
	Gallons, U.S.	Cubic meters	3.785×10^{-3}	
	Gallons, U.S.	Cubic yards	4.951×10^{-3}	
	Gallons, U.S.	Fluid ounces	128	
	Gallons, U.S.	Liters	3.785	
	Gallons, U.S.	Pints (liq.)	8	
	Gallons, U.S.	Quarts (liq.)	4	
Gallons, U.S.	Imperial gallons	0.83267		
GALLONS (IMP)	Gallons (IMP)	U.S. gallons	1.20095	
GALLONS, U.S.	Gallons, U.S.	Pounds of water	8.3453	
	Gallons, U.S.	Kilograms	3.785	
GALLONS/MIN	Gallons/Min.	Cubic feet/sec.	2.228×10^{-3}	
	Gallons/Min.	Liters/sec.	0.06308	
	Gallons/Min.	Liters/Min.	3.785	
	Gallons/Min.	Cu. ft. hr.	8.0208	
GRAMS	Grams	Dynes	980.7	
	Grams	Grains	15.43	
	Grams	Kilograms	10^{-3}	
	Grams	Milligrams	103	
	Grams	Ounces	0.03527	
	Grams	Ounces (troy)	0.03215	
	Grams	Pounds	2.205×10^{-3}	
INCHES	Inches	Centimeters	2.540	
	Inches	Millimeters	25.4	
	Inches	Meters	0.0254	
	Inches	Feet	0.0833	
INCHES OF MERCURY	Inches of Mercury	Kgs./sq. cm.	0.03453	
	Inches of Mercury	Lbs./sq. ft.	70.73	
	Inches of Mercury	Lbs./sq. inch	0.4912	

	TO CONVERT	TO	MULTIPLY BY
KILOGRAMS	Kilograms	Pounds.	2.205
	Kilograms	Tons (short)	1.102×10^{-3}
	Kilograms	Grams	103
LITERS	Liters	Cubic centimeters	103
	Liters	Cubic feet	0.03531
	Liters	Cubic inches	61.02
	Liters	Cubic meters	10^{-2}
	Liters	Cubic yards	1.308×10^{-3}
	Liters	Gallons	0.2642
	Liters/min.	Gallons/min.	0.264
	Liters	Pints (liq.)	2.113
METERS	Liters	Quarts (liq.)	1.057
	Meters	Centimeters	100
	Meters	Feet	3.281
	Meters	Inches	39.37
	Meters	Kilometers	10
	Meters	Millimeters	103
MILLIMETERS	Meters	Yards	1.094
	Millimeters	Centimeters	0.1
MILLIMETERS	Millimeters	Inches	0.03937
	Pounds/Sq. Inch	Atmospheres	0.06804
POUNDS/SQ. INCH	Pounds/Sq. Inch	Feet of Water	2.307
	Pounds/Sq. Inch	Inches of Mercury	2.036
	Pounds/Sq. Inch	Kgs. sq. cm.	0.07031
	Pounds/Sq. Inch	Bars	0.06895

TEMPERATURE CONVERSION

DEGREES FAHRENHEIT	DEGREES CENTIGRADE
+212 °F	+100 °C
+203	+95
+194 °F	+90 °C
+185	+85
+176 °F	+80 °C
+167	+75
+158 °F	+70 °C
+149	+65
+140 °F	+60 °C
+131	+55
+122 °F	+50 °C
+113	+45
+104 °F	+40 °C
+95	+35
+86 °F	+30 °C
+77	+25
+68 °F	+20 °C
+59	+15
+50 °F	+10 °C
+41	+5
+32 °F	0 °C
+23	-5
+14 °F	-10 °C
+5	-15
-4 °F	-20 °C
-13	-25
-22 °F	-30 °C
-31	-35
-40 °F	-40 °C

N5000 SERIES PUMPS - RUN/RISE CHARTS

CO2 Regulator Settings for B-I-B Pump Installation

Medium Syrups

1. Select vertical syrup tubing rise (ft.) from left hand side of chart
2. Select total tubing syrup run (ft.) across top of chart
3. Read regulator setting (PSI) from chart.

Conversions:

Feet to Meters: Multiply feet by .3048
 PSI to BAR: Multiply PSI by .06895

To produce 40 PSI to dispenser.

A	< Reading for 3/8" tubing
B	< Reading for 1/2" tubing

ONE FAST FLOW VALVE - 4.5 OZ./SEC. (.75 OZ./SEC. OF SYRUP)

TOTAL RUN (FT.) - VERTICAL & HORIZONTAL

VERTICAL RISE (FT.)	25	50	100	150	200	250	300	400	500	600	700	800	900
0	54	56	60	64	68	73	77						
10	53	54	55	57	58	60	61	64	67	70	73	76	79
20	59	61	65	69	73	78							
30	58	59	60	62	63	65	66	69	72	75	78		
40	64	66	70	74	78								
50	63	64	65	67	68	70	71	74	77	80			
		71	75	79									
		69	70	72	73	75	76	79					
		76	80										
		74	75	77	78	80							
		79	80										

ONE FAST FLOW VALVE - 3.0 OZ./SEC. (.5 OZ./SEC. OF SYRUP)

TOTAL RUN (FT.) - VERTICAL & HORIZONTAL

VERTICAL RISE (FT.)	25	50	100	150	200	250	300	400	500	600	700	800	900	1000
0	51	53	55	58	60	63	66	71	76					
10	50	51	51	52	52	53	53	55	56	57	58	59	60	62
20	56	58	60	63	65	68	71	76						
30	55	56	56	57	57	58	58	60	61	62	63	64	65	67
40	61	63	65	68	70	73	76							
50	60	61	61	62	62	63	63	65	66	67	68	69	70	72
		68	70	73	75	78								
		66	66	67	67	68	68	70	71	72	73	74	75	
		73	75	78	80									
		71	71	72	72	73	73	75	76	77	78	79		
		78	80											
		76	76	77	77	78	78	80						

ONE FAST FLOW VALVE - 4.5 OZ./SEC. (.75 OZ./SEC. OF SYRUP)

TOTAL RUN (FT.) - VERTICAL & HORIZONTAL

VERTICAL RISE (FT.)	25	50	100	150	200	250	300	400	500	600	700
0	55	57	63	68	73	79					
10	53	54	56	58	59	61	63	67	71	74	78
20	60	62	68	73	78						
30	58	59	61	63	64	66	68	72	76	79	
40	65	67	73	78							
50	63	64	66	68	69	71	76	77			
		72	78								
		69	71	76	74	76	78				
		77									
		74	76	78	79						
		79									

ONE FAST FLOW VALVE - 3.0 OZ./SEC. (.5 OZ./SEC. OF SYRUP)

TOTAL RUN (FT.) - VERTICAL & HORIZONTAL

VERTICAL RISE (FT.)	25	50	100	150	200	250	300	400	500	600	700
0	55	57	63	68	73	79					
10	53	54	56	58	59	61	63	67	71	74	78
20	60	62	68	73	78						
30	58	59	61	63	64	66	68	72	76	79	
40	65	67	73	78							
50	63	64	66	68	69	71	76	77			
		72	78								
		69	71	76	74	76	78				
		77									
		74	76	78	79						
		79									

G55 SERIES PUMPS - RUN/RISE CHARTS

ONE FAST FLOW VALVE - 4.5 OZ./SEC. (.75 OZ./SEC. OF SYRUP)

TOTAL RUN (FT.) - VERTICAL & HORIZONTAL

	25	50	100	150	200	250	300	400	500	600	700	800	900	1000
0	51	53	57	61	65	70	74	82	90					
10	50	51	52	54	55	57	58	61	64	67	70	73	76	80
20	56	58	62	66	70	75	79	87						
30	55	56	57	59	60	62	63	66	69	72	75	78	81	85
40	61	63	67	71	75	80	84							
50	60	61	62	64	65	67	68	71	74	77	80	83	86	90
60		68	72	76	80	85	89							
		66	67	69	70	72	73	76	79	82	85	88		
		73	77	81	85	90								
		71	72	74	75	77	78	81	84	87	90			
		78	82	86	90									
		76	77	79	80	82	83	86	89					
			87											
			82	84	85	87	88							

ONE FAST FLOW VALVE - 3.0 OZ./SEC. (.5 OZ./SEC. OF SYRUP)

TOTAL RUN (FT.) - VERTICAL & HORIZONTAL

	25	50	100	150	200	250	300	350	400	500	600	700	800	900	1000
0	49	51	53	56	58	61	64	66	69	74	79	84	90		
10	48	49	49	50	50	51	51	52	53	54	55	56	57	58	60
20	54	56	58	61	69	66	69	71	74	79	84	89			
30	53	54	54	55	55	56	56	57	58	59	60	61	62	63	65
40	59	61	63	66	68	71	74	76	79	84	89				
50	58	59	59	60	60	61	61	62	63	64	65	66	67	68	70
60		66	68	71	73	76	79	81	84	89					
		64	64	65	65	66	66	67	68	69	70	71	72	73	75
		71	73	76	78	81	84	86	89						
		69	69	70	70	71	71	72	73	74	75	76	77	78	80
		76	78	81	83	86	89								
		74	74	75	75	76	76	77	78	79	80	81	82	83	85
			83	86	88										
			79	80	80	81	81	82	83	84	85	86	87	88	90

ONE FAST FLOW VALVE - 4.5 OZ./SEC. (.75 OZ./SEC. OF SYRUP)

TOTAL RUN (FT.) - VERTICAL & HORIZONTAL

	25	50	100	150	200	250	300	400	500	600	700	800	900	1000
0	52	54	60	65	70	76	81							
10	50	57	59	55	56	58	60	64	68	71	75	79	82	86
20	57	59	65	70	75	81	86							
30	55	56	58	60	61	63	65	69	73	76	80	84	87	
40	62	64	70	75	80	86								
50	61	63	65	66	63	70	74	78	81	85	89			
60		69	75	80	85									
		66	68	70	71	73	75	79	83	86	90			
		74	80	85	90									
		71	73	75	76	78	80	84	88					
		79	85	90										
		76	78	80	81	83	85	89						
			90											
			83	85	86	88	90							

ONE FAST FLOW VALVE - 3.0 OZ./SEC. (.5 OZ./SEC. OF SYRUP)

TOTAL RUN (FT.) - VERTICAL & HORIZONTAL

	25	50	100	150	200	250	300	400	500	600	700	800	900	1000
0	52	54	60	65	70	76	81							
10	50	57	59	55	56	58	60	64	68	71	75	79	82	86
20	57	59	65	70	75	81	86							
30	55	56	58	60	61	63	65	69	73	76	80	84	87	
40	62	64	70	75	80	86								
50	61	63	65	66	63	70	74	78	81	85	89			
60		69	75	80	85									
		66	68	70	71	73	75	79	83	86	90			
		74	80	85	90									
		71	73	75	76	78	80	84	88					
		79	85	90										
		76	78	80	81	83	85	89						
			90											
			83	85	86	88	90							

WARRANTY

ITT Corporation warrants that at the time of shipment the product manufactured by ITT and sold hereunder (“the product”) shall be in conformity with applicable written specifications and descriptions and will be free from defects in material and workmanship for a period stated on the product data sheet. The warranty will not extend to a product which becomes defective resulting from damage in the course of transportation or by storage operation, use, or maintenance in an environment not conforming to the instructions or specifications of ITT, or if the product is altered or modified in any way.

ITT’s sole liability for breach of this warranty will be (at its option) to repair or replace the defective product.

Warranty is only valid with proof of purchase from an authorized ITT dealer.

Please note that the warranty on the product is with the place of purchase. For further information on ITT warranties or to make a warranty claim, please contact your local ITT dealer or visit our website at:

www.itt.com.

This warranty does not affect your statutory rights.

RETURN POLICY

If you, or your customer, need to return a product for warranty consideration, the following steps should be followed for the best possible service.

1. Contact your local customer service center for a return material authorization (RMA) number. They will, whenever possible, trouble-shoot the problem with you or your customer to resolve the claim; but if the product has to be returned, use the RMA number given to you by the customer service representative.
2. When it arrives at our facility, we will review the problem, determine whether it is warranty or not, estimate cost and time required to repair the product, then contact you with this information.
3. For problems covered under our one year limited warranty, repairs will be completed or a replacement product will be returned to you.
4. For problems deemed non-warranty, we will request a written authorization from you for the estimated repair costs, repair the product, and return it with a detailed parts and labor breakdown and invoice for the charges.



www.flojet.com



www.alcon-ecivalves.com



www.totton-pumps.co.uk

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F100-218 REV F 01/10