

COMPLETE LINE

GO WITH THE FLOW!

We are a leading manufacturer specializing in pump solutions



With a rich history dating back to 1981, we have established ourself as a trusted and innovative player in the fluid handling industry. We specialize in designing, manufacturing, and distributing a comprehensive range of pumping systems, valves, and related equipment.

Renowned for our commitment to excellence, we have become synonymous with quality, reliability, and customer satisfaction. Our products cater to a diverse range of industries, including commercial, residential, industrial, and municipal sectors. From HVAC systems and water treatment to industrial processes and more, our solutions are designed to meet the specific demands of each application.

What sets us apart is our dedication to continuous improvement and innovation. Through substantial investments in research and development, we consistently deliver cutting-edge solutions that address evolving market needs. Our skilled team of engineers, technicians,

and professionals ensures that each product meets stringent quality standards and performs at its best.

In addition to our product offerings, we provide expert guidance, technical assistance, and personalized solutions to ensure that clients make informed decisions and achieve optimal results. With a global presence, our influence extends beyond Canada, serving customers internationally and contributing to fluid management solutions around the world.

Overall, we're enduring legacy of excellence, innovation, and customer-centric approach positions us as a respected industry leader, dedicated to shaping the future of fluid handling technology.



Our Products Cater To A Diverse Range Of Industries, Including Commercial, Residential, Industrial, And Municipal Sectors.

QUALITY ASSURANCE

Each product undergoes rigorous testing and quality assurance procedures before leaving the factory. This meticulous approach ensures that every unit meets the highest standards of reliability and performance.

COMPLIANCE AND CERTIFICATIONS

Our commitment to reliability is underscored by our compliance with industry standards and certifications. Our products meet or exceed stringent regulations, providing customers with the assurance of reliable performance.



O CIRCULATOR & VERTICAL IN-LINE



500

Circulating Pump

Magna / Astro / UP / PL / 00

| Magria / Asi | 10/0P/PL/00 |
|----------------------------|-------------------------------|
| Capacities Max Flow | 234 US GPM 54 m³/hr |
| Head Max | 43 ft 14 m |
| Maximum Pressure | 145 PSI 999 kPa |
| Horsepower | 2/5 HP 280 kW |
| Application Water Glycol | Temperature 220°F 104°C |
| Driven by | ECM Motor, ERP Ready |
| Construction Materials | Cast Iron, stainless, bronze |





500

Wet Rotor Smart Pump

Magna / Astro / UP / PL / 00

| | GEM | GEB |
|-------------------------------|-------------------------------|------------------------------|
| Capacities Max Flow | 299 US GPM 68 m³/hr | 46 US GPM 11 m³/hr |
| Head Max | 59 ft 18 m | 39 ft 12 m |
| Maximum Pressure | 145 PSI 999 kPa | 145 PSI 999 kPa |
| Horsepower | 2 HP 1.5 kW | 0.3 HP 0.22 kW |
| Application | Temperature | Temperature |
| Water Glycol | 230°F 110°C | 203°F 95°C |
| Driven by | ECM Mo | tor, ERP Ready |
| Construction Materials | Cast Iron, st | ainless, bronze |





600

In-Line Circulator Pump

2400/1900/1600/S/H/90/60

| Capacities | 290 US GPM |
|---------------------------|---------------------------|
| Maximal Flow | 61 m³/hr |
| Head | 120 ft |
| Max | 37 m |
| Maximum | 250 PSI |
| Pressure | 1724 kPa |
| Horsepower | 10 HP 7.5 kW |
| Application Water Glycol | Temperature 250°F 121°C |
| Driven by | 56C Electric Motors |
| Construction | Cast Iron, bronze fitted, |
| Materials | all bronze |



3 HVAC · Circulator

O VERTICAL IN-LINE



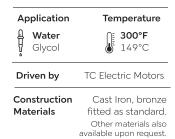
840SC

Vertical In-Line Centrifugal Split Coupling

4300 / 80SC / VLI / KS

Capacities8 000 US GPMMax Flow1816 m³/hr

| Head | 410 ft |
|----------------|-------------------------|
| Max | 125 m |
| Maximum | 600 PSI |
| Pressure | 4136 kPa |
| Horsepower | 400 HP 298 kW |





880

Compact In-Line Centrifugal

80 / VL / 4380

Capacities3000 US GPMMax Flow680 m³/hr

| Head | 650 ft |
|----------------|-------------------------|
| Max | 198 m |
| Maximum | 250 PSI |
| Pressure | 1724 kPa |
| Horsepower | 200 HP 149 kW |

| Application | Temperature |
|---------------------------|--|
| Water Glycol | 300°F 149°C |
| Driven by | JM Electric Motors |
| Construction Materials | Cast Iron, bronze fitted as standard. |
| | Other materials also available upon request. |



880RI

Vertical In-Line Centrifugal Split Coupling

4300/80SC/VLI/KS

Capacities3000 US GPMMax Flow680 m³/hr

| Head | 650 ft |
|----------------|-------------------------|
| Max | 198 m |
| Maximum | 250 PSI |
| Pressure | 1724 kPa |
| Horsepower | 200 HP 149 kW |

| Application Water Glycol | Temperature |
|---------------------------|---|
| Driven by | TC Electric Motors |
| Construction Materials | Cast Iron, bronze fitted as standard. Other materials also available upon request. |

HVAC · Vertical In-Line 4

O HORIZONTAL BASE MOUNTED



1000/1004

End Suction, Close Coupled

1530 / 1532 / CM / C / LCS / 4280

| Capacities | 1900 US GPM |
|-------------|----------------------------|
| Max Flow | 431 m³/hr |
| Head | 280 ft |
| Max | 85 m |
| Pressure | 175 PSI 1206 kPa |

| Horsepower | 200 HP 149 kW |
|---------------------------|--------------------------|
| Driven by | JM Electric Motors |
| Application Water Glycol | Temperature 300°F 149°C |
| Construction | Cast iron, bronze fitted |







2000

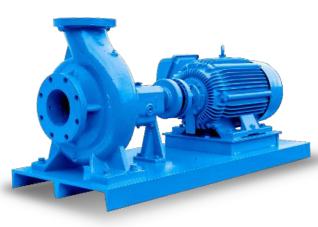
Radially Split Bearing Frame Pump Mounted with Flexible Coupling, Back PULL-OUT Design

LF/F/4030/1510/FM

| Capacities | 1900 US GPM |
|-------------------|----------------------------|
| Max Flow | 431 m³/hr |
| Head | 120 ft |
| Max | 37 m |
| Pressure | 175 PSI 1206 kPa |

| Horsepower | 200 HP 149 kW |
|---------------------------|--|
| Driven by | T Frame Electric Motors or Diesel Engines |
| Application Water Glycol | Temperature 300°F 149°C |
| Construction | Cast iron, bronze |





5

2300/2600

Radially Split Bearing Frame Pump Mounted with Flexible Coupling, Back PULL-OUT Design

LF/F/4030/1510/FM

| Capacities Max Flow | 6500 US GPM 1476 m³/hr |
|------------------------|----------------------------------|
| Head Max | 410 ft 125 m |
| Pressure | 400 PSI 1206 kPa |

| Horsepower | 500 HP 373 kW |
|---------------------------|--|
| Driven by | T Frame Electric Motors or Diesel Engines |
| Application Water Glycol | Temperature 300°F 149°C |
| Construction Materials | Cast iron, bronze fitted as standard. Other materials also |



available upon request.

HVAC · Horizontal Base Mounted

O SPLIT CASE DOUBLE SUCTION



4800L

Single Stage, Double Suction Split Case

| VSX / TS | |
|------------|----------------------|
| Capacities | 12 000 US GPM |
| Max Flow | 2725 m³/hr |

| Head | 750 ft |
|----------------|-------------------------|
| Max | 227 m |
| Maximum | 600 PSI |
| Pressure | 4136 kPa |
| Horsepower | 800 HP 597 kW |

| Temperatu | re Applica | plication | |
|--------------------|--------------------|-----------|--|
| 300°F 149°C | Wat Glyc | er ol | |
| Driven by | Electric Motors, D | iese | |

Engines, Steam Turbines

ConstructionCast iron, bronzeMaterialsfitted as standard.Other materials also available upon request.





4800U

Single Stage, Double Suction Split Case

| VSX | |
|------------------------|---------------------------------|
| Capacities Max Flow | 12 000 US GPM 2725 m³/hr |

| Head Max | 750 ft 227 m |
|----------------------------|----------------------------|
| Maximum Pressure | 600 PSI 4136 kPa |
| Horsepower | 800 HP 597 kW |

| Temperatu | re A | oplication |
|--------------------|-------------|------------------------|
| 300°F 149°C | Å | Water Glycol |
| Driven by | Electric Mo | tors, Dies |

Engines, Steam Turbines

Construction Cast iron, bronze

Materials Cast Iron, bronze fitted as standard.
Other materials also available upon request.





4800V

Vertically Mounted, Single Stage, Double Suction Split Case

| KPV | |
|-------------------------------|---------------------------------|
| Capacities Max Flow | 12 700 US GPM 2884 m³/hr |

| Head | 625 ft |
|----------------|---------------------------|
| Max | 190 m |
| Maximum | 600 PSI |
| Pressure | 4136 kPa |
| Horsepower | 1750 HP 1305 kW |

| Temperature 300°F 149°C | Application Water Glycol |
|-------------------------------|--|
| Driven by Die | Electric Motors, sel Engines, R.A.G.D |
| Construction Materials | Cast iron, bronze fitted as standard. |



Other materials also available upon request.

Horizontally Mounted, Single Stage, Double Suction Split Case



HSC / 4600 / KPGT / HS

| Capacities | 12 700 US GPM |
|----------------|---------------------------|
| Max Flow | 54 m³/hr |
| Head | 625 ft |
| Max | 190 m |
| Maximum | 600 PSI |
| Pressure | 4136 kPa |
| Horsepower | 1750 HP 1305 kW |

| Application Water Glycol | Temperature 300°F 149°C |
|----------------------------|---|
| Driven by | Electric Motors, Diesel Engines, Steam Turbines |
| Construction Materials | Cast Iron, bronze fitted as standard. Other materials also available upon request. |

4800/4800H/4900

Designed with efficiency, reliability, and spacesaving in mind, these pumps offer exceptional performance for a wide range of applications.

COMPACT DESIGN

The Compact In-Line Centrifugal Pump Series features three models: the 4800, 4800H, and 4900. Each model is engineered with precisior and built to meet the demands of modern industries. These pumps are characterized by their compact design, making them ideal for installations where space is limited or when a streamlined footprint is desired.

DURABLE

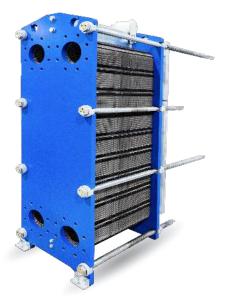
All models in the Compact In-Line Centrifugal
Pump Series are engineered with durability in
mind. They feature high-quality materials,
corrosion-resistant components, and precise
manufacturing processes. This ensures longevity
and reliable operation even in demanding
environments

LOW MAINTENANCE

In addition to their compact design and exceptional performance, these pumps offer easy installation and maintenance. They are designed for hassle-free integration into existing systems, and routine maintenance tasks can be completed quickly, minimizing downtime and optimizing system performance.



O PLATE & FRAME HEAT EXCHANGERS



FFW AHRI

Plate and Frame Heat Exchangers

Steam to Water, Water to Water, Glycol to Water

| | 10000 US GPM 2271 m³/h | 250 PSI Steam |
|---------------------------------|----------------------------------|--------------------------------------|
| Maximum Pressure | | 300 PSI 2068 kPa |
| Application Water Glycol Steam | | Temperature 300°F 144°C |
| Construction Materials | | el, titanium and stainless steel. |





BR

Brazed Heat Exchangers

Steam to Water, Water to Water, Glycol to Water

| Capacities Max Flow | 400 US GPM 91 m³/h | 150 lbs Steam |
|---------------------------------|---------------------------|---|
| Maximum Pressure | | 300 PSI 2068 kPa |
| Application Mater Glycol Steam | | Temperature 300°F 144°C |
| Construction Materials | , | tainless steel. her materials upon request. |





W, S

Shell & Tube Heat Exchangers

| ŭ | |
|--|--|
| W | s |
| Water to water Glycol to water | Steam to water |
| Capacities Max Flow | 3000 US GPM 681 m³/h |
| Maximum Pressure | 250 PSI 1724 kPa |
| Application ① Water ③ Glycol • Steam | Temperature 300°F 144°C |
| | n steel or stainless with stainless steel tubes. |



O TANKS & AIR SEPARATORS



SEP

Vortex Tangential Air Separator

| Capacities | 67 000 US GPM |
|------------|---------------|
| Max Flow | 15 217 m³/hr |

| Maximum | 250 PSI |
|----------------|--------------------|
| Pressure | 1724 kPa |
| Temperature | 550°F 288°C |



| Connections Diameter | 2 to 36 in 50 to 914 mm |
|--------------------------------|---------------------------------|
| Construction Materials | Carbon steel or stainless steel |



ADSR/ADSF

In-Line Air/Dirt Separator

| 4900 | |
|------|--|
| 4900 | |

| 4900 | |
|-------------------|----------------------|
| Capacities | 12 100 US GPM |
| Max Flow | 2748 m³/hr |

| Maximum | 250 PSI |
|----------------|--------------------|
| Pressure | 1724 kPa |
| Temperature | 550°F 288°C |



Connections

Construction

Materials



RLU/RWU //RSE

Hot Water Storage Tank with Heater / Hot Water Storage Tank

| Capacities | 15 000 Gallons |
|------------|----------------|
| Max Flow | 56 781 L. |

| Maximum | 250 PSI |
|------------------------------|--------------------|
| Pressure | 1724 kPa |
| Liquid Temperature | 550°F 288°C |



Carbon steel or

stainless steel.

| | 1 Sections | |
|---|------------|---|
| | | |
| | | |
| | | |
| | | 1 |
| | | |
| - | _ | 3 |

RDT/BT

Non Replaceable Bladder Expansion Tank / Replaceable Bladder Exp. Tank

RDT: AX/OT/NTA/CAX/D BT: AL/NLA/CA/B/ST-DHW

Capacities 3962 US GPM Max Flow 15 000 L.

| Maximum | 250 PSI |
|----------------|--------------------|
| Pressure | 1724 kPa |
| Temperature | 240°F 115°C |



| Connections | 1 to 3 in |
|--------------------|------------------|
| Diameter | 25 to 75 mm |
| Construction | Carbon steel, |
| Materials | EPDM |

O COMPARISON CHART

VERTICAL & HORIZONTAL IN-LINE

FLO FAB

GEM 40-120F 250 (N)
GEM 40-180F 250 (N)
GEM 50-180F 280 (N)
GEM 65-80 340 F (N)
GEM 65-150F 340 (N)
GEM 80-120F

GEM 100-120 F

| Grundfos | Power (W) | Connection (mm) | Flange size/ Connection type | Max head (m) | Max flow (m³/h) |
|---------------------|--------------|--------------------|---------------------------------|-----------------|--------------------|
| MAGMA3 40-120 F (N) | 15.01 463 W | 250 mm | DN 40 | 120 m | 24 m³/h |
| MAGMA3 40-180 F (N) | 16.01 615 W | 250 mm | DN 40 | 180 m | 26.2 m³/h |
| MAGMA3 50-180 F (N) | 22.13 769 W | 280 mm | DN 50 | 180 m | 37.5 m³/h |
| MAGMA3 65-80 F (N) | 24.17 476 W | 340 mm | DN 65 | 80 m | 40 m³/h |
| MAGMA3 65-150 F (N) | 30.7 1263 W | 340 mm | DN 65 | 150 m | 56 m³/h |
| MAGMA3 80-120 F | 30.5 1277 W | 360 mm | DN 80 | 120 m | 60 m³/h |
| MAGMA3 100-120 F | 31.11 1523 W | 450 mm | DN 100 | 120 m | 68 m³/h |

| Flo Fab |
|-----------------|
| Series |
| 600 |
| Max GPM 270 |
| Max Head 120 |
| Series |
| 600 |
| Max GPM 270 |
| Max Head 120 |

| Armstrong | Taco | Weinman | Trush | Paco |
|-----------------------|--|---|---|--|
| Series | Series | Series | Series | Series |
| H/1060 | 1600 | GT | GT | GT |
| Max GPM 145 | Max GPM 200 | Max GPM 145 | Max GPM 145 | Max GPM |
| Max Head 55 | Max Head 55 | Max Head 55 | Max Head 55 | Max Head |
| Series | Series | Series | Series | Series |
| 1050 | 1900 | GTV | GTV | GTV |
| Max GPM 300 | Max GPM 200 | Max GPM 150 | Max GPM 150 | Max GPM |
| Max Head 55 | Max Head 65 | Max Head 55 | Max Head 55 | Max Head |
| | Series H/1060 Max GPM 145 Max Head 55 Series 1050 Max GPM 300 Max Head | Series Series H/1060 1600 Max GPM Max GPM 145 200 Max Head Max Head 55 55 Series Series 1050 1900 Max GPM Max GPM 300 200 Max Head Max Head | Series Series Series H/1060 1600 GT Max GPM Max GPM Max GPM 145 200 145 Max Head Max Head Max Head 55 55 Series Series Series Series 1050 1900 GTV Max GPM Max GPM Max GPM 300 200 150 Max Head Max Head Max Head | Series Series Series Series H/1060 1600 GT GT Max GPM Max GPM Max GPM Max GPM 145 200 145 Max Head 55 55 55 55 Series Series Series Series 1050 1900 GTV GTV Max GPM Max GPM Max GPM Max GPM 300 200 150 150 Max Head Max Head Max Head Max Head |

HVAC · Comparison Chart

VERTICAL & HORIZONTAL IN-LINE

Max GPM 1800

Max Head 400 Max GPM

Max Head

Max GPM

Max Head

4500

600

| Flo Fab | Bell & Gossett | Armstrong | Taco | Weinman | Trush | Pace |
|--|--|---|--|---|---|--|
| Series | Series | Series | Series | Series | Series | Series |
| 840SC | 80SC | 4300 | N/A | N/A | N/A | VLS |
| Max GPM 13000 | Max GPM 2500 | Max GPM 13000 | Max GPM | Max GPM | Max GPM | Max GPM 450 |
| Max Head 650 | Max Head 380 | Max Head 550 | Max Head - | Max Head - | Max Head - | Max Head 440 |
| Series | Series | Series | Series | Series | Series | Series |
| 880 | 80 | 4380 | KV/VI | CV | TV | VL |
| Max GPM 2800 | Max GPM 2500 | Max GPM 2000 | Max GPM 2000 | Max GPM 1200 | Max GPM 850 | Max GPM 4050 |
| Max Head 560 | Max Head 380 | Max Head 450 | Max Head 130 | Max Head 350 | Max Head 160 | Max Head 440 |
| Series | Series | Series | Series | Series | Series | Series |
| 880RI | 80SC | 4300 | N/A | N/A | N/A | N/A |
| Max GPM 13 000 | Max GPM 2500 | Max GPM 13 000 | Max GPM | Max GPM | Max GPM | Max GPM 450 |
| Max Head 650 | Max Head 380 | Max Head 550 | Max Head - | Max Head - | Max Head - | Max Head 440 |
| Series | Series | Series | Series | Series | Series | Series |
| N/A | N/A | 4302/4382 | N/A | N/A | N/A | N/A |
| Max GPM - | Max GPM | Max GPM 2500 | Max GPM | Max GPM - | Max GPM | Max GPM |
| Max Head - | Max Head - | Max Head 400 | Max Head - | Max Head - | Max Head - | Max Head - |
| | | | | | | |
| RIZONTAL | . FRAME MOUNT | TED END SUCTI | ON | | | |
| Series | Series | Series | Series | Series | Series | Series |
| Series | | | | Series N/A | Series N/A | Series N/A |
| Series 1000 Max GPM | Series | Series | Series | | | |
| Series 1000 Max GPM 1800 Max Head 400 | Series N/A | Series N/A | Series N/A | N/A | N/A | N/A |
| Series 1000 Max GPM 1800 Max Head 400 | Series N/A Max GPM | Series N/A Max GPM | Series N/A Max GPM | N/A Max GPM | N/A Max GPM | N/A Max GPM |
| Series 1000 Max GPM 1800 Max Head 400 Series | Series N/A Max GPM - Max Head - | Series N/A Max GPM - Max Head | Series N/A Max GPM - Max Head | N/A Max GPM - Max Head - | N/A Max GPM - Max Head | Max GPM - Max Head |
| Series 1000 Max GPM 1800 Max Head 400 Series 2000 Max GPM | Series N/A Max GPM - Max Head - Series | N/A Max GPM - Max Head - Series | Series N/A Max GPM - Max Head - Series | Max GPM - Max Head - Series | N/A Max GPM Max Head Series | Max GPM - Max Head - Series |
| Series 1000 Max GPM 1800 Max Head | Series N/A Max GPM - Max Head - Series 1510 Max GPM | Series N/A Max GPM - Max Head - Series 4030 Max GPM | Series N/A Max GPM Max Head Series FE/FI Max GPM | N/A Max GPM Max Head Series 550 Max GPM | N/A Max GPM Max Head Series PH/HPF Max GPM | Max GPM - Max Head - Series LF Max GPM |
| Series 1000 Max GPM 1800 Max Head 400 Series 2000 Max GPM 1800 Max GPM 1800 Max Head | Series N/A Max GPM - Max Head - Series 1510 Max GPM 2800 Max Head | Series N/A Max GPM - Max Head - Series 4030 Max GPM 2200 Max Head | Series N/A Max GPM - Max Head - Series FE/FI Max GPM 2000 Max Head | N/A Max GPM - Max Head - Series 550 Max GPM 2000 Max Head | N/A Max GPM - Max Head - Series PH/HPF Max GPM 1700 Max Head | N/A Max GPM Max Head Series LF Max GPM 6000 Max Head |

Max GPM

Max Head

Max GPM

Max Head

Max GPM

Max Head

Max GPM

Max Head

HORIZONTAL SPLIT CASE SIDE SUCTION SIDE DISCHARGE

| Flo Fab | Bell & Gossett | Armstrong | Taco | Weinman | Trush | Paco |
|----------------------|-------------------------|------------------------|------------------------|------------------------|----------|--------------|
| Series | Series | Series | Series | Series | Series | Series |
| 4800H | HSCS | 4600 | TA | 1200 | N/A | N/A |
| Max GPM 12000 | Max GPM 10000 | Max GPM 5000 | Max GPM 5000 | Max GPM 6000 | Max GPM | Max GPM - |
| Max Head 800 | Max Head 800 | Max Head 550 | Max Head 400 | Max Head 400 | Max Head | Max Head |

HORIZONTAL SPLIT CASE SIDE SUCTION TOP DISCHARGE

| Series | Series | Series | Series | Series | Series | Series |
|------------------------|----------------------|----------|----------|----------|----------|----------|
| 4800L | VSCS | N/A | N/A | N/A | N/A | N/A |
| Max GPM 8000 | Max GPM 10000 | Max GPM |
| Max Head 500 | Max Head 400 | Max Head |

HORIZONTAL SPLIT CASE TOP SUCTION & TOP DISCHARGE

| eries | Series | Series | Series | Series | Series | Series |
|------------------------|----------------------|----------|----------|----------|----------|----------|
| 4800U | VSC | N/A | N/A | N/A | N/A | N/A |
| Max GPM 8000 | Max GPM 10000 | Max GPM |
| Max Head 500 | Max Head 400 | Max Head |

VERTICAL SPLIT CASE SIDE SUCTION & SIDE DISCHARGE

| Series | Series | Series | Series | Series | Series | Series |
|------------------|---------------------|----------|----------|----------|----------|----------------------|
| 4800V | HSC-3 | N/A | N/A | N/A | N/A | KPV |
| Max GPM 12000 | Max GPM 6000 | Max GPM | Max GPM | Max GPM | Max GPM | Max GPM 12750 |
| Max Head 800 | Max Head 570 | Max Head |

HVAC · Comparison Chart

O MULTISTAGE



PSMCF

Vertical Multistage

| | • | |
|---------------------------|-----------------------------|--|
| Capacities | 250 US GPM | |
| Max Flow | 56 m³/hr | |
| Head | 930 ft | |
| Max | 283 m | |
| Maximum | 430 PSI | |
| Pressure | 2964 kPa | |
| Horsepower | 50 HP | |
| · | 37 kW | |
| Application | Temperature | |
| | ∩≣ 5-248°F | |
| Clear liquids | 5-248°F -15-120°C | |
| Driven by | Vertical Electrical Moto | |
| Construction Materials | #304 Stainless stee | |





PSM

Vertical Multistage

| vertical Multistage | |
|----------------------------------|--|
| Capacities Max Flow | 390 US GPM 89 m³/hr |
| Head Max | 930 ft 283 m |
| Maximum Pressure | 430 PSI 2964 kPa |
| Horsepower | 50 HP 37 kW |
| Application Water Clear liquids | Temperature 5-248°F -15-120°C |
| Driven by | Vertical Electrical Motor |
| Construction Materials | Cast iron as standard or stainless steel #304 & #316 |



PLUMBING · Stainless Steel

O CLOSE COUPLED STAINLESS



PSF

Flanged Close Coupled Centrifugal

| Capacities | 380 US GPM |
|----------------------------------|----------------------------------|
| Max Flow | 86 m³/hr |
| Head | 750 ft |
| Max | 227 m |
| Maximum | 145 PSI |
| Pressure | 1000 kPa |
| Horsepower | 15 HP |
| Pressure | 11 kW |
| Application Water Clear liquids | Temperature 225°F 107°C |
| Driven by | Electric Close Coupled Motors |
| Construction Materials | #304 Stainless steel |





PST

NPT Close Coupled Centrifugal

| Capacities | 52 US GPM | |
|----------------------------------|---------------------------|--|
| Max Flow | 12 m³/hr | |
| Head | 750 ft | |
| Max | 227 m | |
| Maximum | 115 PSI | |
| Pressure | 793 kPa | |
| Horsepower | 3 HP | |
| Pressure | 2.24 kW | |
| Application Water Clear liquids | Temperature 225°F 107°C | |
| Driven by | Vertical Electrical Motor | |
| Construction Materials | #304 Stainless steel | |







BENEFITS

- Prefabricated and factory tested
- 3rd party UL listed system
- Low Lead Certification meets NSF 61 & 372 <=0.25%weighted average lead content
- ASHRAE 90.1 requirements
- Designed to fit through standard 36" doorway
- Space saving design
- PLC-VFD direct Modbus communication offers unrivaled response
- Systems are hydrostatically, electrically and run tested before shipment
- Single source responsibility
- Pipe welding performed by ASME IX certified pipe welders





5





Engineered To Order

BENEFITS

- Certificate of Product Liability Insurance
- Prefabricated and factory tested -NIST Traceable Test Facility
- UL Listed Packaged Pumping Systems
- ASME Section IX Certified Pipe Welders
- UL Standard 508A Standard for Industrial Control Panels
- Engineered to order designs
- Systems are hydrostatically, electrically and run tested before shipment
- Single source responsibility

PLUMBING · Booster

O SUBMERSIBLE PUMP



LB-25, 40, 75, 215 & 315

| Effluent Pu | ımp |
|-------------------------------|---|
| Capacities Max Flow | 175 US GPM 40 m³/hr |
| Head Max | 8 to 72 ft 2.4 to 21.5 m |
| Solid size | 3/8" 9 mm |
| Horsepower | 1 HP 0.75 kW |
| Application Water | Temperature 200°F 94°C |
| Driven by | Air Filled Electrical Motor, Explosion Proof |
| Construction Materials | Cast Iron |





FS-237, 337 & 437, 475, 675, 4110, 6110, 8110

Multi-Purpose Drainage Pump

| Capacities Max Flow | 1400 US GPM 317 m³/hr |
|-------------------------------|---|
| Head Max | 10 to 163 ft 3 to 49 m |
| Solid size | 3/4" 19 mm |
| Horsepower | 30 HP 22 kW |
| Application Water | Temperature 200°F 94°C |
| Driven by | Air Filled Electrical Motor, Explosion Proof |
| Construction Materials | Cast iron & stainles steel |





LBV-40 / LBV-75, 215 & 315

Effluent & Sewage Vortex Pump

| Capacities Max Flow | 159 US GPM 36 m³/hr | | |
|---|----------------------------------|--------------------------|----------|
| Head Max | 4 to 59 ft 1.2 to 18 m | | - |
| Solid size | | 3/4" 19 mm | |
| Horsepower | | 1 HP 0.75 kW | |
| Application Water, Sewage, Waste Liquids | , | Tempera 200°F 94°C | |
| Driven by | Air Filled | Electrical Explosion | |
| Construction Materials | | Ca | ast Iron |



PLUMBING · Submersible 6



LBK-75 / LBK-215 & 315

Effluent / Sewage Non Clog Pump

| Capacities Max Flow | 185 U \$ 42 m³/ | |
|---------------------------|-------------------------------|-----------------------------|
| Head Max | 10 to 5 3 to 18 | |
| Solid size | 3/4" 19 mm | 2" 50 mm |
| Horsepower | 1 HP 0.75 k\ | N |
| Temperature | Applica | ation |
| 200°F 94°C | A Water | Water & Waste Liquids |
| Driven by | Air Filled Electric Explos | al Motor, ion Proof |
| Construction Materials | | Cast Iron |





FBV-322 / FBV-337 & 437

Sewage Non Clog Pump

| Capacities Max Flow | | 317 US 72 m³/h | |
|---|------------|-------------------------------|--------------------|
| Head Max | | 8 to 66 ft 2.4 to 20 m | |
| Solid size | | 2" 50 mm | 3" 80 mm |
| Horsepower | | 5 HP 3.7 kW | |
| Application Water, Sewage & Waste Liquids | 5 | Tempera 200° 94°C | F |
| Driven by | Air Filled | Electrica Explosic | |
| Construction Materials | | C | ast iron |





FGC-015 & 022 / FGC-037 & 055

Sewage Grinder Pump

| Capacities Max Flow | | 61 US GPM 14 m³/hr |
|---|------------|--------------------------------------|
| Head Max | | 17 to 105 ft 5.2 to 32 m |
| Solid size | | 3/4" 19 mm |
| Horsepower | | 5 HP 3.7 kW |
| Application Water, Sewage, Waste Liquids | | Temperature 200°F 94°C |
| Driven by | Air Filled | Electrical Motor, Explosion Proof |
| Construction Materials | | Cast Iron |



7 PLUMBING · Submersible

O BREAK AWAY FITTING





GRF-03 & 04

Break Away Fitting

| Discharge Size | 3" | |
|--------------------------|---------------------------------|--|
| Base Elbow Size | 10 to 59 ft 3 to 18 m | |
| Rail Size | 2" | |
| Sensor Relay included | YES | |
| Construction Materials | Cast Iron | |



GRG-02

Break Away Fitting

| 3 | J |
|--------------------------|----------------------------------|
| Discharge Size | 3" |
| Base Elbow Size | 10 to 163 ft 3 to 49 m |
| Rail Size | 2" |
| Sensor Relay included | YES |
| Construction Materials | Cast Iron |



GRL-02F / GRN-04

Break Away Fitting

| _ | • |
|--------------------------|----------------------------------|
| Discharge Size | 3" |
| Base Elbow Size | 10 to 163 ft 3 to 49 m |
| Rail Size | 2" |
| Sensor Relay included | YES |
| Construction Materials | Cast Iron |



O LARGE ENGINEERED SUBMERSIBLE



FF6BSE-LDS / 9-30 HP

| Discharge | 6", 125 lb, flange horizontal |
|---------------------------|--|
| Spherical solid handlings | s 4" |
| НР | 9-30 |
| RPM | 1150 |
| Impeller | 1 vane, closed with vanes on back side. |
| Shaft | 416 series stainless steel |
| Application | Oil filled |
| Motor | NEMA B, three phase, 230/460 volts, 60 Hz |
| Construction Materials | Cast iron, ASTM A-48, class 30. |





FF6BSE-LDS / 18-60 HP

| Discharge | 6", 125 lb, flange horizontal | | | |
|---------------------------|--|--|--|--|
| Spherical so handlings | olids 4" | | | |
| НР | 18-60 | | | |
| RPM | 1750 | | | |
| Impeller | 1 vane (2 vane for 48 & 60 HP), closed, with vanes on back side. | | | |
| Shaft | 416 series stainless steel | | | |
| Application | Oil filled | | | |
| Motor | NEMA B, three phase, 230/460 volts, 60 Hz | | | |
| Construction Materials | Cast iron, ASTM A-48, class 30. | | | |





FF6BSE-HLDS

| Discharge | 6", 125 lb, flange horizontal |
|-------------------------------|--|
| Spherical solids handlings | 3" |
| НР | 30-60 |
| RPM | 1750 |
| Impeller | 3 vane, closed with vanes on back side. |
| Shaft | 416 series stainless steel |
| Application | Oil filled |
| Motor | NEMA B, three phase, 230/460 volts, 60 Hz |
| Construction Materials | Cast iron, ASTM A-48, class 30. |
| | |







FF8BSE-HLDS

| Discharge | 8", 125 lb, flange horizontal | | |
|------------------------------|--|--|--|
| Spherical solid handlings | s 3" | | |
| НР | 36-48 | | |
| RPM | 1150 | | |
| Impeller 3 va | ne, closed with a bronze wear ring and vanes on back side. | | |
| Shaft | 416 series stainless steel | | |
| Application | Oil filled | | |
| Motor | NEMA B, three phase, 230/460 volts, 60 Hz | | |
| Construction Materials | Cast iron, ASTM A-48, class 30. | | |



FF8BSE-HADS

| Discharge | 8", 125 lb, flange horizontal | | |
|---|--|--|--|
| Spherical handlings | 3" | | |
| НР | 30-75/100-200 | | |
| RPM | 1150/3450 | | |
| Impeller | 3 vane, closed with a bronze wear ring and vanes on back side. | | |
| Shaft | 416 series stainless steel | | |
| Application | on Oil filled | | |
| Motor NEMA B, three phase, 230/460 volts, 60 Hz, air cooled, explosion proof, class 1, division 1, group C & D. | | | |
| Construc Materials | tion Cast iron, ASTM A-48, class 30. | | |

Whether it's for managing water supply, dewatering a mine, or handling wastewater, large engineered submersible pumps are powerful tools that contribute to efficient and reliable fluid management in various industries.

DEEP SUBMERSION

These pumps are specifically engineered to operate while fully submerged in liquids, often in deep wells, sumps, reservoirs, or other submerged environments.

HIGH CAPACITY

Large engineered submersible pumps are capable of handling substantial flow rates, making them suitable for applications where significant volumes of liquid need to be moved.

ROBUST CONSTRUCTION

Due to their submersion in often harsh or corrosive environments, these pumps are built with durable materials such as stainless steel, cast iron, or other corrosion-resistant alloys.

MOTOR PROTECTION

Submersible pumps are sealed units, protecting the motor from liquid exposure. This design eliminates the need for above-ground housing or protective structures.

^{*} Requires overload protection to be included in control panel.

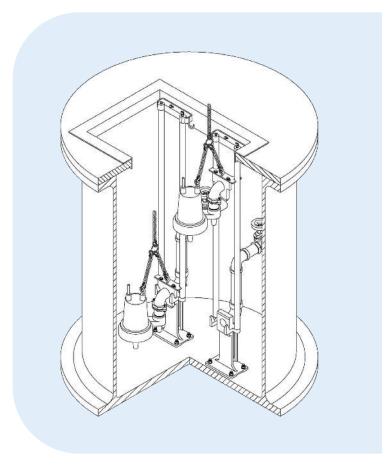
Guide Rail Fitting System

The guide rail fitting system for pumps is a smart and efficient solution designed to simplify installation and maintenance processes. With its innovative design, the guide rail fitting system allows for easy alignment and secure mounting of pumps onto their baseplates or pump skids. This eliminates the need for time-consuming adjustments, ensuring a guick and hassle-free setup.

Additionally, the rail fitting system provides enhanced stability and reduces vibration during pump operation, contributing to increased reliability and longevity.

Whether for industrial applications or HVAC systems, the guide rail fitting system streamlines the installation process and maximizes the efficiency of pump systems.

Available upon request.



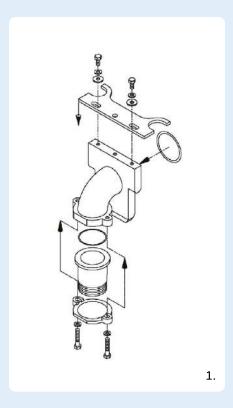
BERS-0125 THRU, BERS-0300 SERIES

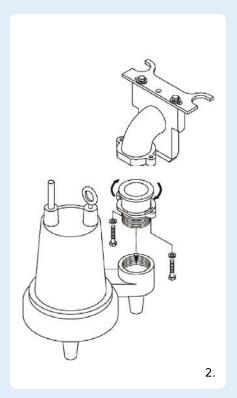


There are two main components to the FreefloTM base elbow rail system, the stationary base and the pull out flange assembly.

The stationary base will be secured to the bottom of the basin or collection tank. The base elbow should be positioned per the job specifications and the pump manufacturer's recommendations to allow for proper alignment with the access hatch for removal and installation of the pump or pumps.

The base elbow is designed to be secured with four (4) studs, lockwashers, and nuts. It is important to make sure the elbow is secured to the basin or col-lection tank bottom to







PULL-OUT FLANGE ASSEMBLY

Figure 1 shows all of the parts included with the pull-out flange assembly. This is the removable portion of the Flo Fab $^{\rm m}$ base elbow rail system assembly, and it is this assembly that will attach to the discharge of the pump (see figure 2).

THREAD INTO THE PUMP

The threaded pump adapter flange will thread into the pump discharge as shown. The pump adapter flange is secured by tightening the two (2) long cap screws provided. This allows the pump to be oriented as necessary before lowering into the basin or collection tank

CHAIN ATTACHED

After attaching the pull out flange assembly to the pump, the lifting chain or cable assembly should be attached (see figure 3). This should be adequately sized to handle the weight of the pump and the pull out flange assembly as well as be long enough to allow for easy access for pulling the pump.

prevent it from moving or vibrating.

After the elbow is installed the remaining items can be installed (i.e. piping, valve, guide rails, rail supports, etc.) into the tank. After this is done simply attach the pull out flange assembly to the pump, and lower the pump into the tank as shown above.



O ACCESSORIES



TANK ALERT FLOAT

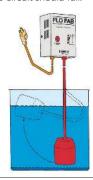
NEMA 1 Compliance in a metal alarm panel

Model

- 101 HW
- With Dry Contact
- 101 LW Without Dry Contact 120/1/60

Description

When used with a pump application, the Tank Alert may be connected to a circuit breaker other than the pump circuit. This allows the Tank Alert to operate even if the pump circuit should fail.





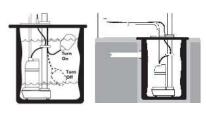


FLOAT SWITCH

General arrangement for Single Pump Float operation (plug in type)

| Model | Contacts |
|--------------|----------|
| • 30' 720165 | • N/O |

Description





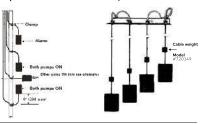


MECHANICAL FLOAT SWITCH

#720145 Bracket

| Not included | • Included |
|--------------|--|
| Model | Contacts |
| • 30' 720165 | with Plugwithout Plug |

Pipe Mounted Suspended







CONTROL PANEL

Standard UL or CSA NEMA 1 — Enclosure

Model

• Simplex • SSP
• Duplex • DSP
• Triplex • TSP
• 115/1 • 208/3
• 230/1 • 460/3
• 575/3

Description

Includes main disconnect switch, internal circuit, breakers, transformer, low suction pressure switch and pilot light, handoff auto switch, pump running light, current-relay, minimum run timer, automatic transfer to lag pump circuit, lead pump selector switch, power on light, dry contact for remote signal.





STEEL BASIN COVERS

Simplex & Duplex

| Simplex | Duplex |
|---------|--------|
| | |



POLYETHYLENE BASIN

Polyethylene / Fiberglass

| Model | Gallon | |
|--------------------------------------|------------------------|--|
| • 1830 • 2436 • 3636 • 4848 | 30 70 159 376 | |

Description

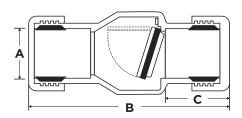


PLUMBING · Accessories 14

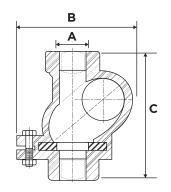


CHECK VALVE

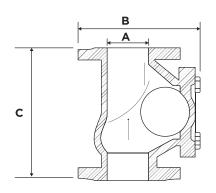
Type CVP



Type CB0125-CB0200



Type CB0300-0400



CHECK VALVE

| Models |
|---------|
| CVP0125 |
| CVP0150 |
| CVP0200 |
| CVP0300 |
| CB0125 |
| CB0150 |
| CB0200 |
| CB0300 |
| CB0400 |
| CB0600 |
| CB0800 |
| |

| A | В | | С | | Pressure Test | |
|------------------------|-----|-------------------|-----|--------------------|------------------|--|
| | mm | in | mm | in | lb/po/ca | |
| 1 ^{1/4} " NPT | 132 | 5 1/4 | 28 | 1 1/8 | = | |
| 1 ^{1/2} " NPT | 132 | 5 1/4 | 28 | 1 1/8 | - | |
| 2" NPT | 245 | 9 3/4 | 70 | 2 3/4 | - | |
| 3" NPT | 350 | 14 | 100 | 4 | - | |
| 1 ^{1/4} " NPT | 119 | 4 11/16 | 135 | 5 ^{5/16} | 150 | |
| 1 ^{1/2} " NPT | 119 | 4 11/16 | 135 | 5 5/16 | 150 | |
| 2" NPT | 157 | 6 3/16 | 175 | 6 7/8 | 150 | |
| 3" Flanged | 214 | 8 7/16 | 246 | 9 1/16 | 150 | |
| 4" Flanged | 282 | 11 1/8 | 300 | 11 3/16 | 150 | |
| 6" | 398 | 15 11/16 | 421 | 16 ^{9/16} | 150 | |
| 8" | 495 | 19 ^{1/2} | 533 | 21 | 150 | |

15 PLUMBING · Check Valve

O COMPARISON CHART

SUBMERSIBLE PUMPS

| FLO FAB | Phase P | Pole | Dsicharge Size | HP | Barnes | Stancor | Liberty | Zoeller |
|----------|---------|------|-------------------|------|--|--------------------------------|-------------------|--|
| LBK-75 | 1Ø | 2P | 2" (50 MM) | 1 | SE10L (2", 1750 RPM, SINGLE SEAL) | - | | |
| LBK-75T | 3Ø | 2P | 2" (50 MM) | 1 | SE10L (2", 1750 RPM, SINGLE SEAL) | - | | - |
| LBK-215 | 1Ø | 2P | 2" (50 MM) | 2 | 3SE15L (3", 3450 RPM, SINGLE SEAL) | - | _ | |
| LBK-215T | 3Ø | 2P | 2" (50 MM) | 2 | 3SE15L (3", 3450 RPM, SINGLE SEAL) | - | | |
| LBK-315T | 3Ø | 2P | 3" (80 MM) | 2 | 3SE15L (3", 3450 RPM, SINGLE SEAL) | - | | - |
| AS-208 | 1Ø | 2P | 2" (50 MM) | 1 | - | SS-100-1HP, 2" | - | - |
| AS-215T | 3Ø | 2P | 2" (50 MM) | 2 | - | SS-200-3HP, 2" | | |
| LB-25 | 1Ø | 2P | 1.5" (40 MM) | 0.33 | - | SB20*(0.2 HP) | - | |
| LB-40 | 1Ø | 2P | 2" (50 MM) | 0.5 | EH5L, 0.5 HP, SINGLE SEAL, 2", 3450 RPM | - | | |
| LB-40T | | 2P | 2" (50 MM) | 0.5 | EH5L, 0.5 HP, SINGLE SEAL, 2", 3450 RPM | - | | |
| LB-75 | 1Ø | 2P | 2" (50 MM) | 1 | EH10L, 1 HP, SINGLE SEAL, 2", 3450 RPM | - | | 130/140/150 |
| LB-75T | 3Ø | 2P | 2" (50 MM) | 1 | EH10L, 1 HP, SINGLE SEAL, 2", 3450 RPM | - | | SERIES EFFLUENT PUMPS |
| LB-215 | 1Ø | 2P | 2" (50 MM) | 2 | EH15L, 2 HP, SINGLE SEAL, 2", 3450 RPM | - | | |
| LB-215T | 3Ø | 2P | 2" (50 MM) | 2 | EH15L, 2 HP, SINGLE SEAL, 2", 3450 RPM | _ | _ | |
| LB-315T | 3Ø | 2P | 3" (80 MM) | 2 | EH15L, 2 HP, SINGLE SEAL, 2", 3450 RPM | - | | |
| LBV-40 | 1Ø | 2P | 2" (50 MM) | 0.5 | 2SEV5DS, 3450 RPM, 2" SOLID PASSAGE, DUAL SEAL | SV/SE-50-1PH, 2" | | 290 SERIES-0.5HP |
| LBV-75 | 1Ø | 2P | 2" (50 MM) | 1 | 2SEV10DS, 3450 RPM, 2" SOLID PASSAGE, DUAL SEAL | SV/SE-100-1PH, 2" | LE100- SERIES | 290 SERIES-1HP |
| LBV-75T | 3Ø | 2P | 2" (50 MM) | 1 | 2SEV10DS, 3450 RPM, 2" SOLID PASSAGE, DUAL SEAL | SV/SE-100-3PH, 2" | | 290 SERIES-1HP |
| LBV-215 | 1Ø | 2P | 2" (50 MM) | 2 | 2SEV20DS, 3450 RPM, 2" SOLID PASSAGE, DUAL SEAL | SV-200-1PH, 2" | | 290 SERIES-2HP |
| LBV-215T | 3Ø | 2P | 2" (50 MM) | 2 | 2SEV20DS, 3450 RPM, 2" SOLID PASSAGE, DUAL SEAL | SV-200-3PH, 2" | LEH200- SERIES | 290 SERIES-2HP |
| LBV-315 | 1Ø | 2P | 3" (80 MM) | 2 | 2SEV20DS, 3450 RPM, 2" SOLID PASSAGE, DUAL SEAL | SV-200-3PH, 3" | | 290 SERIES-2HP |
| FGC-11S | 1Ø | 2P | 1.25" (32 MM) | 1.5 | - | SG-150-1PH, 1.25" | PRG-SERIES 1HP | N/A |
| FGC-11 | 3Ø | 2P | 1.25" (32 MM) | 1.5 | - | SG-150-3PH, 1.25" | N/A | N/A |
| FGC-15S | 1Ø | 2P | 1.25" (32 MM) | 2 | SGVF20 & SGVH20 (2 HP-SINGLE PHASE) | SG-200-1PH, 1.25" | SINICI E STAGE | 819, SINGLE SEAL, 1 HP, VERTICAL, 1.25' |
| FGC-15 | 3Ø | 2P | 1.25" (32 MM) | 2 | SGVF20 & SGVH20 (2 HP-THREE PHASE) | SG-200-3PH, 1.25 ^{,l} | .SG203, 1.257 | 819, SINGLE SEAL, 3 HP, VERTICAL, 1.25' |
| FGC-22 | 3Ø | 2P | 2" (50 MM) | 3 | SVG30 (3 HP) | SG-300-3PH, 1.25" | N/A | N/A |
| FGC-37 | 3Ø | 2P | 2" (50 MM) | 5 | SGV50 (5 HP) | SG-500-3PH, 2" | N/A | N/A |
| FGC-55 | 3Ø | 2P | 3" (80 MM) | 7.5 | SGV75 (7.5 HP) | SG-750-3HP, 2" | N/A | N/A |
| | | | | | | | | |

O FLEXIBLES





| Flexible | |
|--------------|----------------------------|
| Materials | Steel and stainless steel |
| Pressure 475 | 5 PSIG at 850°F with water |
| Size range | 1/2" to 2" |
| Connections | Threaded |







Pressure 214 PSIG at 250°F with water

Size range 1/2" to 12"

Connections Threaded double





SM

Standard Flanged Connector

| Materials | Steel and stainless steel |
|------------|------------------------------|
| Pressure | 125 PSIG at 450°F with water |
| Size range | 2" to 16" |
| Connection | ons Flanged |





SSP & DSP

Single & Double Arch Flexible

| Materials | Steel flanged and EPDM |
|-------------|-----------------------------|
| Pressure 21 | .4 PSIG at 240°F with water |
| Size range | 1 1/2" to 14" |
| Connections | SSP Flanged Single |

DSP Flanged Double



3 ACCESSORIES · Flexibles

O HYDRONIC, BALANCING & MULTIFUNCTION VALVE



MV

| Air Valve Release | | |
|-------------------|--|--|
| Materials | Cast iron * | |
| Pressure | MV15 150 PSIG at 345°F MV15 300 PSIG at 400°F | |
| Size range | 3/4" ** | |
| Connections | Threaded | |
| | | |





AA

| Air Vent | |
|-------------|-------------------|
| Materials | Brass * |
| Pressure | 150 PSIG at 200°F |
| Size range | 1/8" and 1/4" ** |
| Connections | Threaded |
| | |





MFV

Multifunction Valve

| Multifulfiction valve | | |
|-----------------------|--|--|
| Materials | Ductile iron and stainless steel disc | |
| Pressure | 150 PSIG at 225°F | |
| Size range | 2" to 18" | |
| Connections | MFV-F: Flanged MFV-G: Grooved | |



Option 175 lbs W.P. Connection Q2501 Model is standard



Pressure and/or Temperature Port

| Materials | Bronze * |
|-------------|--|
| Pressure | 1000 PSIG at 140°F |
| Size range | 1/4" ** |
| Connections | SS2501: Threaded SS2511: Threaded Extended |



^{*} Available in several construction materials

^{**} Available in various sizes



Butterfly valves & wafer check valves play important roles in pump systems by regulating flow and preventing backflow. Their selection depends on factors such as the specific application, system requirements, pressure, and temperature conditions.

BUTTERFLY VALVE

Butterfly valves are used for isolating or regulating flow in various industries, such as water treatment, HVAC, chemical, and oil and gas. They are particularly suitable for large-diameter pipes.

They offer low-pressure drop, fast operation, and good flow control. They require less space and are cost-effective compared to other valve types.

WAFER CHECK VALVE

Wafer check valves are commonly used in pump systems, pipelines, and HVAC systems to prevent water hammer, maintain system efficiency, and protect equipment from backflow.

They are simple, reliable, and have minimal maintenance requirements.

Wafer check valves are suitable for highflow, low-pressure drop applications.

*Consulting with professionals in valve and pump systems can help ensure the appropriate choice for optimal system performance.



BFVZ - L

Butterfly Valve

Materials Cast iron body, stainless steel disc, EPDM Seat *

Pressure 175 PSIG at 225°F up to 12" 150 PSIG at 250°F from 14" to 24"

Size range 2" to 24" **

Body style Lug





LSDDB

Wafer Check Valve

| Materials | Cast iron, bronze disc * |
|------------|---|
| Pressure | 200 PSIG at 250°F from 2" to 18" 200 lbs 200 PSIG at 250°F from 20" to 32" 150 lbs |
| Size range | 2" to 32" ** |
| Body style | Wafer |



5 ACCESSORIES · Valves

O DIFFUSER & STRAINERS







ASDFF

Suction Diffuser

Materials Cast iron body with stainless steel screen*

Pressure 175 PSIG at 250°F with water 200 PSIG at 150°F with steam

Size range 2" to 20" **

Connections Flanged



LCTY

| | \sim . | | |
|-----|----------|--------|---|
| v | Stra | סמונ | v |
| - 1 | JUIC | 311 IC | 1 |

 Materials
 Cast iron body with stainless steel screen

 Pressure
 400 PSIG at 150°F with water 250 PSIG at 406°F with steam

 Size range
 1/2" to 2"

 Connections
 Threaded



LYF

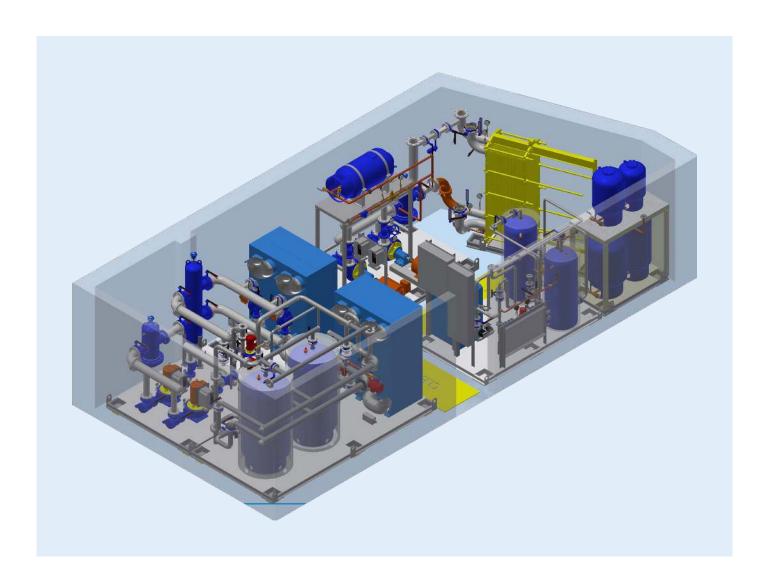
Y Strainer

| Materials | Cast iron body with stainless steel screen* |
|-------------|--|
| Pressure | 150 PSIG at 450°F with water 200 PSIG at 150°F with steam |
| Size range | 2" to 16" ** |
| Connections | Flanged |



^{*} Available in several construction materials

^{**} Available in various sizes



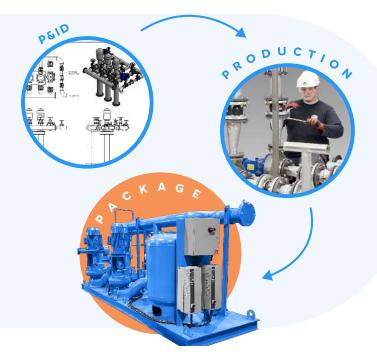
Optimal Mechanical Room

A mechanical room for HVAC is a dedicated space within a building where various mechanical and electrical equipment is housed to manage the environmental conditions and comfort levels of the structure. This room plays a critical role in maintaining a comfortable indoor environment by controlling temperature, humidity, and air quality.

A well-designed mechanical room for HVAC is essential for efficient and reliable building operation. Flo Fab engineering team can work with you to design the optimal mechanical room suitable for your needs. The specific configuration of a mechanical room can vary greatly depending on factors like the building's size, purpose, climate, and the HVAC system's complexity.

O SKID PACKAGE: PRACTICAL & EFFICIENT

Building a skid can provide a practical and efficient solution that streamlines processes, reduces costs, and enhances overall project success.



INTEGRATION

Skids can be integrated seamlessly into existing processes or systems, allowing for easy incorporation of new equipment without significant disruptions.

ENHANCED QUALITY CONTROL

Skids are built and tested in a controlled environment, reducing the risk of errors during assembly. Rigorous testing before shipment ensures that the skid is fully functional upon arrival.

REDUCED FOOTPRINT

Skids consolidate multiple components, such as pumps, valves, instrumentation, and controls, onto a single platform. This compact design minimizes the required floor space, making it ideal for locations with limited room.

EASE OF INSTALLATION

Skids come pre-assembled, allowing for quick and straightforward installation on-site. This saves time, reduces labor costs, and ensures consistency in installation quality.

FASTER COMMISSIONING

Skids are pre-wired and pre-piped, which simplifies commissioning and startup. This leads to quicker operational readiness and faster project completion.

CUSTOMIZATION

While skids are often designed based on standardized configurations, they can still be customized to meet specific project requirements. This includes variations in size, capacity, components, and controls.

COST SAVINGS

Building a skid can lead to cost savings in various ways, including reduced labor costs, fewer installation hours, and minimized potential for errors. Skids also enable modular construction, which can lead to reduction of scale and engineering costs.

SAFETY AND COMPLIANCE

Skids can be built with safety features and compliant with relevant industry standards and regulations. This ensures that the equipment meets safety guidelines and minimizes potential hazards.

MINIMIZED RISK

Skids are engineered by experts with a deep understanding of the equipment and its integration. This reduces the risk of integration issues and optimizes overall system performance.

PACKAGE · Skid Package 4

O CHILLER SYSTEM



CHI

| Chiller Package | | |
|-----------------|----------------------|--|
| Capacities | 12 000 US GPM | |
| Max Flow | 2725 m³/hr | |
| Head | 692 ft | |
| Max | 211 m | |

| 300 PSI 2069 kPa |
|----------------------------|
| 400 HP 298.3 kW |
| Electrical Motors |
| |

| Application Water Glycol | Temperature 300°F 149°C |
|-----------------------------------|-------------------------------|
| Construction | Bronze, stainless steel |
| Materials | or cast iron |

5 PACKAGE · Chiller System



BOI

| Boiler Packa | ge |
|-------------------|----------------------|
| Capacities | 12 000 US GPM |
| Max Flow | 2725 m³/hr |
| Head | 692 ft |
| Max | 211 m |

| Pressure | 300 PSI 2069 kPa |
|------------|----------------------------|
| Horsepower | 400 HP 298.3 kW |
| Driven by | Electrical Motors |

| Application Glycol | Temperature 300°F 144°C |
|---------------------|---------------------------|
| Construction | Bronze, stainless steel |
| Materials | or cast iron |

PACKAGE · Boiler System 6

O HEATING/COOLING SYSTEM



LCOO

| Large | Cool | ina | Pac | kade |
|-------|------|-----|-----|------|
|-------|------|-----|-----|------|

| Capacities Max Flow | 12 000 US GPM 2725 m³/hr |
|------------------------|---------------------------------|
| Head | 692 ft |
| Max | 211 m |

| Pressure | 300 PSI 2069 kPa |
|------------|----------------------------|
| Horsepower | 400 HP 298.3 kW |
| Driven by | Electrical Motors |

| Application Water Glycol | Temperature 300°F 144°C |
|---------------------------|-------------------------------|
| Construction | Bronze, stainless steel |
| Materials | or cast iron |

O PRESSURE SYSTEM



D-CPS-HT

| System | |
|-------------|----------------------|
| Capacities | 12 000 US GPM |
| Max Flow | 2725 m³/hr |
| Head | 692 ft |
| Max | 211 m |

| Pressure | 300 PSI 2069 kPa |
|------------|----------------------------|
| Horsepower | 400 HP 298.3 kW |
| Driven by | Electrical Motors |

| Application Hot/Cold Water | Temperature 300°F 144°C |
|-----------------------------|---------------------------|
| Construction | Bronze, stainless steel |
| Materials | or cast iron |

PACKAGE · Pressure System 8

O DUPLEX SYSTEM



D-FOM

| Duplex Fuel (| Dil System |
|---------------|------------|
|---------------|------------|

| Capacities Max Flow | 30 US GPM 3.1 m³/hr |
|------------------------|----------------------------|
| Head | 692 ft |
| Max | 211 m |

| Pressure | 300 PSI 2069 kPa |
|------------|----------------------------|
| Horsepower | 10 HP 7.46 kW |
| Driven by | Electrical Motors |

| Application Light Fuel Oil | Temperature 150°F 65°C |
|-----------------------------|--------------------------------------|
| Construction Materials | Bronze, stainless steel or cast iron |

9 PACKAGE · Duplex System



D-HC-XRI

| Duplex Package | |
|-------------------|----------------------|
| Capacities | 12 000 US GPM |
| Max Flow | 2725 m³/hr |
| Head | 692 ft |
| Max | 211 m |

| Pressure | 300 PSI 2069 kPa |
|------------|----------------------------|
| Horsepower | 400 HP 298.3 kW |
| Driven by | Electrical Motors |

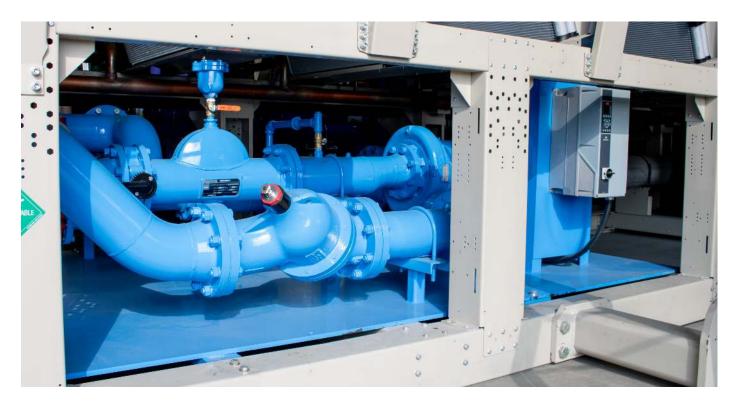
| Application Water Glycol | Temperature 300°F 144°C |
|---------------------------|---------------------------|
| Construction | Bronze, stainless steel |
| Materials | or cast iron |

PACKAGE · Duplex System 10

OUR PACKAGES







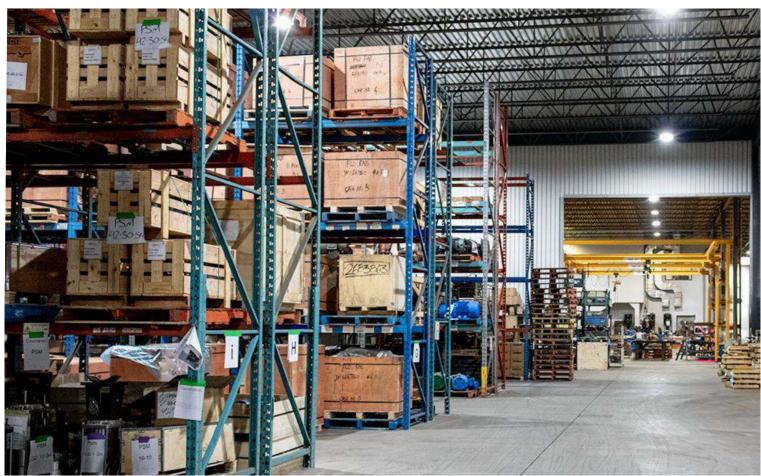


ACCESSORIES · Our Packages 8

Our installations

- 57,000 sq. ft.
- 20' Bay Doors
- Voltage capabilities up to 1000 A
- Certifications: ISO 9001, UL-FM and NSF-61





11 PACKAGE · Our installations









PACKAGE · Our installations

OUR WARRANTY



5 Years Warranty On Pumps

We stand behind the quality and performance of our pumps and are pleased to offer a extensive five-year warranty. This warranty is designed to provide the customer with peace of mind, ensuring that the pump functions optimally for the duration of the warranty period.

 Coverage: This warranty covers defects in materials and workmanship for a period of five years from the date of purchase. It applies to all components of the pump, including the motor, impeller, casing, seals, and other integral parts.

- Repair or Replacement: In the event of a defect covered by this warranty, we will, at our discretion, either repair or replace the pump or its defective components free of charge. The decision to repair or replace will be based on the extent of the defect and feasibility.
- 3. Exclusions: The warranty does not cover defects or damages resulting from normal wear and tear, improper installation, misuse, neglect, unauthorized repairs or modifications, accidents, or any other factors beyond our control. It also does not cover damage caused by external factors, such as power surges, environmental conditions, or acts of nature.
- 4. Notification and Return Process: In the event that you encounter an issue covered by this warranty, please contact our customer support team immediately. They will provide guidance on troubleshooting steps or initiate the return process, if necessary. You will be responsible for shipping the pump or its defective parts to our designated service center at your own expense, unless otherwise agreed upon with our customer support team.
- Warranty Validation: To validate your warranty, please retain your original purchase receipt or any other proof of purchase. This will be required when filing a warranty claim.

- Transferability: This warranty is non-transferable and applies only to the original purchaser of the pump. It cannot be extended or transferred to subsequent owners.
- 7. Limitations of Liability: Our liability under this warranty is limited to the repair or replacement of the defective pump or its components as described in Section 2. We are not liable for any indirect, incidental, or consequential damages arising from the use or inability to use the pump, even if we have been advised of the possibility of such damages.
- Governing Law: This warranty is governed by and construed in accordance with the laws of Quebec, Canada, without regard to its conflict of laws principles.

Please note that this warranty is an additional benefit provided by us and does not affect your statutory rights as a consumer. For further information or clarification on any aspect of this warranty, please contact our customer support team.



8 Years Warranty On Package

Terms & Conditions

We are confident in the quality and performance of our product and are pleased to offer a comprehensive eight-year warranty that covers both parts and labor on package. This warranty aims to ensure the customer complete satisfaction with the pump package throughout the specified warranty period.

- 1. Coverage: This warranty covers any defects in materials and workmanship of the items manufactured by Flo Fab on the pump package, including pump, valves, and other related Flo Fab components, for a period of eight years from date of purchase.
- 2. Parts Replacement: In the event of any covered defects, we will provide free Flo Fab replacement parts required

to rectify the issue. This includes components that fail due to manufacturing defects or normal wear and tear under normal operating conditions.

- 3. Labor Coverage: In addition to parts replacement, this warranty includes the cost of labor required to perform repairs or replace faulty components. Our qualified technicians will carry out the necessary repairs or replacements without any additional cost to you.

 Overtime labor is not covered by this warranty
- 4. Exclusions: This warranty does not cover defects or damages resulting from improper installation (See Annexe B.2 for Installation check list and request for commissioning Engineer), misuse, negligence, unauthorized repairs or modifications, accidents, lack of proper maintenance, or any other factors beyond the manufacturer's control. It also does not cover damages caused by external factors, such as power surges, environmental conditions, or acts of nature.
- 5. Notification and Claim Process: If you encounter any issues covered by this warranty, please notify our support team immediately. They will provide guidance on troubleshooting steps or initiate the warranty

process. To ensure a smooth resolution, please provide any relevant details, such as nature of the problem, serial number of your equipment and/or quote #.

- 6. Warranty Validation: To validate your warranty, completed Installation check list + Factory supervision start up is required (See Annexe C for Rates, Terms and Conditions for FIELD service & Technical support). This will be required when filing a warranty claim.
- 7. Transferability: This warranty is non-transferable and applies only on the original purchaser of the pump package. It cannot be extended or transferred to subsequent owners.
- 8. Limitations of Liability: Our liability under this warranty is limited to the repair or replacement of the defective Flo Fab components, as described in Sections 2 and 3. We are not liable for any indirect, incidental, or consequential damages arising from the use or inability to use the pump package, even if we have been advised of the possibility of such damages.
- Governing Law: This warranty is governed by and construed in accordance with the laws of Quebec, Canada, without regards to its conflict of laws principles.

OUR BEST PROJECTS



One World Trade Center

285 Fulton Street, New York, NY 10006, USA



St-Joseph Women Hospital

3030 W Dr Martin Luther King Jr Blvd, Tampa, FL 33607, USA

LCOO Large Cooling Package



Brock University

1812 Sir Isaac Brock Way, St. Catharines, ON L2S 3A1 Canada



Four Seasons Hotel

60 Yorkville Ave, Toronto, ON M4W 0A4 Canada



Aston Martin

6600 Madison St, Port Richey, FL 34652, USA

Quadruplex Booster



Houston Marriott West Loop By The Galleria

1750 West Loop South, Houston, TX 77027, USA

OS 30 3HIHE





www.flofab.com

Flo Fab

service@flofab.com quote@flofab.com parts@flofab.com