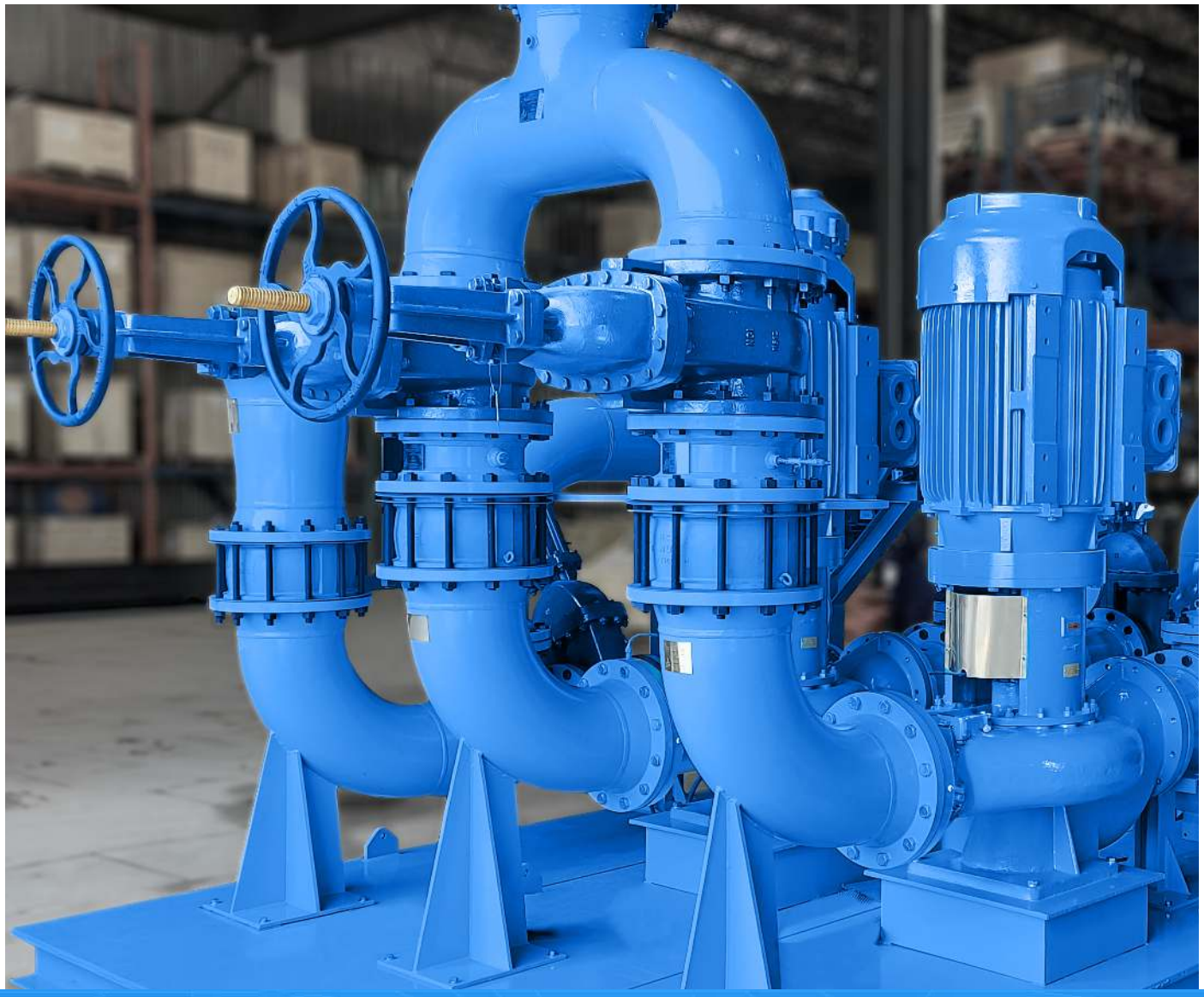


FLOFAB
SINCE 1981
PUMP SOLUTIONS MANUFACTURER

BAA
BUY AMERICAN ACT
COMPLIANT

5 PUMPS YEARS WARRANTY

8 PACKAGE YEARS WARRANTY
PARTS & LABOR

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.

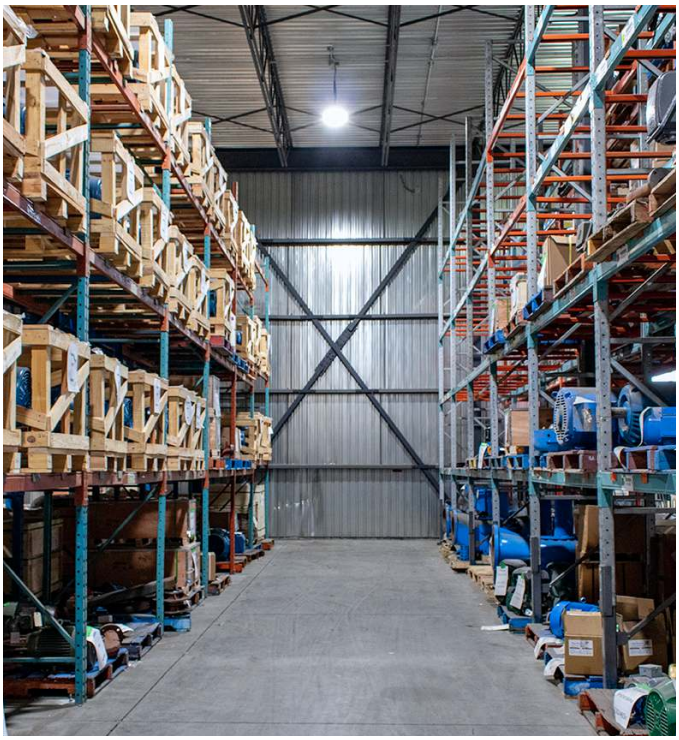
Our Products Cater To A Diverse Range Of Industries, Including Commercial, Residential, Industrial, And Municipal Sectors.

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.



VERTICAL IN-LINE

500

Circulating Pump

4300 / 80SC / VLI / KS

Capacities Max Flow	**3000 US GPM** 680 m^3/hr
Head Max	**43 ft** 14 m
Maximum Pressure	**145 PSI** 373 kPa
Horsepower Pressure	**2/5 HP** 280 kW
Application **Water** Glycol	**Temperature** **300°F** 149°C
Driven by	TC Electric Motors
Construction Materials	Cast Iron, bronze fitted as standard. Other materials also available upon request.

500

Wet Rotor Smart Pump

	GEM	**GEB**
Capacities Max Flow	**234 US GPM** 54 m^3/h	**234 US GPM** 54 m^3/h
Head Max	**43 ft** 14 m	**43 ft** 14 m
Maximum Pressure	**145 PSI** 373 kPa	**145 PSI** 373 kPa
Horsepower		**2/5 HP** 280 kW
Application **Water** Glycol		**Temperature** **300°F** 149°C
Driven by	ECM Motor, ERP Ready	
Construction Materials	Cast Iron, stainless, bronze	

600

In-Line Circulator Pump

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

Capacities Maximal Flow	**234 US GPM** 54 m^3/h
Head Max	**43 ft** 14 m
Maximum Pressure	**145 PSI** 373 kPa
Horsepower	**2/5 HP** 280 kW
Application **Water** Glycol	**Temperature** **300°F** 149°C
Driven by	ECM Motor, ERP Ready
Construction Materials	Cast Iron, stainless, bronze

840SC

Vertical In-Line Centrifugal Split Coupling

Capacities Max Flow	**8 000 US GPM** 1816 m^3/hr
Head Max	**410 ft** 125 m
Maximum Pressure	**600 PSI** 4136 kPa
Horsepower	**400 HP** 298 kW

Application	Temperature
Water Glycol	**300°F** 149°C

Driven by TC Electric Motors

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

880

Compact In-Line Centrifugal

Magna / Astro / UP / PL

Capacities Max Flow	**3000 US GPM** 680 m^3/hr
Head Max	**650 ft** 198 m
Maximum Pressure	**250 PSI** 373 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

Capacities Max Flow	**3000 US GPM** 680 m^3/hr
Head Max	**650 ft** 198 m
Maximum Pressure	**250 PSI** 1724 kPa
Horsepower	**200 HP** 149 kW

Application	Temperature
Water Glycol	**300°F** 149°C

Driven by TC Electric Motors

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

880XRI

Universal 10 positions

4300 / 80SC / VSX / VLI / VSM / VSMS

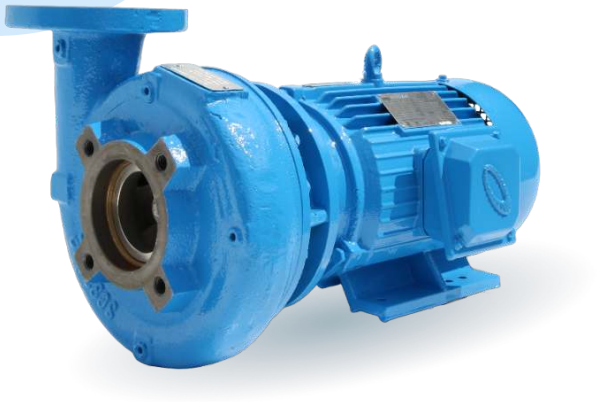
Capacities Max Flow	**15 850 Gallons** 3600 m^3/hr
Head Max	**655 ft** 200 m
Maximum Pressure	**600 PSI** 4136 kPa
Horsepower	**1000 HP** 746 kW

Application	Temperature
Water Glycol	**500°F** 288°C

Driven by TC Electric Motors

Construction Materials Cast Iron, Bronze Fitted as Standard, Other materials also available upon request.

HORIZONTAL BASE MOUNTED



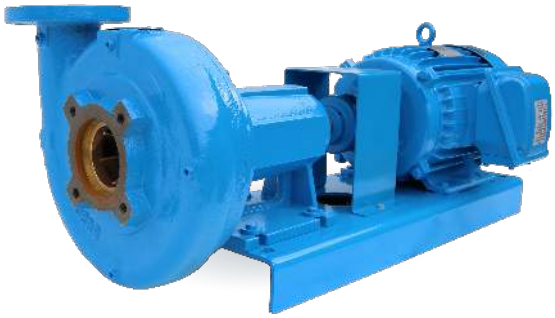
1000/1004

End Suction, Close Coupled

1530 / 1532 / CM / C / LCS / 4280

Capacities Max Flow	**1900 US GPM** 431 m^3/hr
Head Max	**43 ft** 14 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 Materials	Cast iron, bronzed fitted as standard.



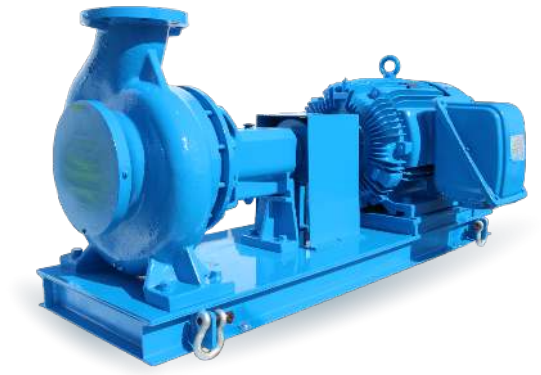
2000

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

LF / F / 4030 / 1510 / FM

Capacities Max Flow	**1900 US GPM** 431 m^3/hr
Head Max	**120 ft** 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 Materials	Cast iron, bronzed fitted as standard.



2300/2600

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

LF / F / 4030 / 1510 / FM

Capacities Max Flow	**6500 US GPM** 1476 m^3/hr
Head Max	**410 ft** 125 m
Pressure	**400 PSI** 2757 kPa

Horsepower	**200 HP** 149 kW
Driven by	T Frame Electric Motors or Diesel Engines
Application **Water** Glycol	**Temperature** **300°F** 149°C
Construction Materials	Cast iron, bronzed fitted as standard.

4800L

Single Stage, Double Suction Split Case

VSX / TS

Capacities Max Flow	**12 000 US GPM** 2725 m^3/hr
Maximum Pressure	**600 PSI** 4136 kPa
Liquid Temperature	**300°F** 149°C
Head Max	**750 ft** 227 m

Horsepower
800 HP
597 kW

Application
Water
Glycol

Driven by Electric Motors, Diesel Engines, Steam Turbines

Construction Materials Cast iron, bronzed fitted as standard.
Other materials also available upon request.

4800U

Single Stage, Double Suction Split Case

VSX

Capacities Max Flow	**12 000 US GPM** 2725 m^3/hr
Maximum Pressure	**600 PSI** 4136 kPa
Liquid Temperature	**300°F** 149°C
Head Max	**750 ft** 227 m

Horsepower
800 HP
597 kW

Application
Water
Glycol

Driven by Electric Motors, Diesel Engines, Steam Turbines

Construction Materials Cast iron, bronzed 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 m^3/hr
Maximum Pressure	**600 PSI** 4136 kPa
Liquid Temperature	**300°F** 149°C
Head Max	**625 ft** 190 m

Horsepower
1750 HP
1305 kW

Application
Water
Glycol

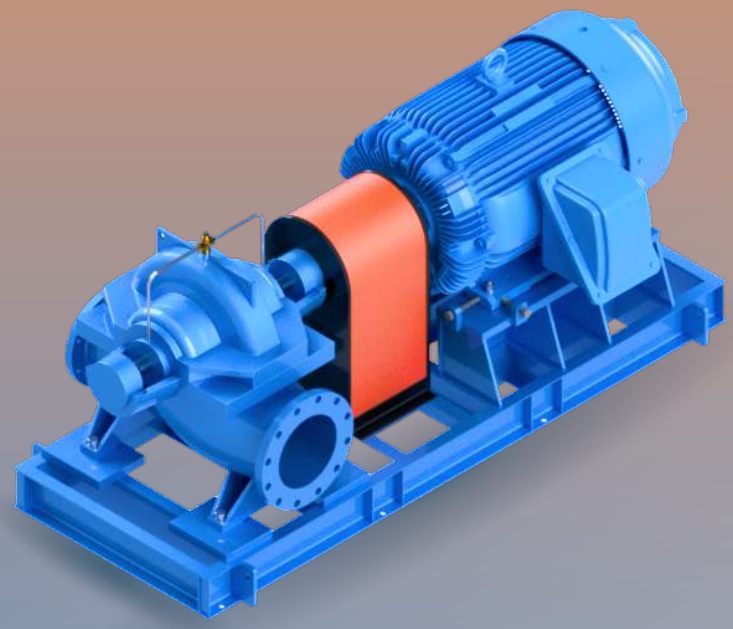
Driven by Electric Motors Diesel Engines, R.A.G.D

Construction Materials Cast iron, bronzed fitted as standard.
Other materials also available upon request.

Compact In-Line Centrifugal

4800/4800H/4900

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



Capacities Max Flow	**234 US GPM** 54 m^3/hr
Head Max	**43 ft** 14 m
Maximum Pressure	**145 PSI** 373 kPa
Horsepower Pressure	**2/5 HP** 280 kW

Application **Water** Glycol	**Temperature** **300°F** 149°C
Driven by	ECM Motor, ERP Ready
Construction Materials	Cast Iron, Stainless Steel, Bronze

COMPACT DESIGN

The Compact In-Line Centrifugal Pump Series features three models: the 4800, 4800H, and 4900. Each model is engineered with precision 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.

Experience the power of the Compact In-Line Centrifugal Pump Series by contacting Flo Fab today. Our team of experts will assist you in selecting the ideal pump model for your specific requirements.

PLATE & FRAME HEAT EXCHANGERS

FFW AHRI

Plate and Frame Heat Exchangers

Steam to Water, Water to Water, Glycol to Water

Capacities Max Flow	**10 000 US GPM** 2271 m^3/h
Maximum Pressure	**300 PSI** 2068 kPa
Liquid Temperature	**300°F** 149°C
Application	**Water** Glycol Steam
Construction Materials	Carbon steel, titanium and stainless steel. *Other materials also available upon request.*

BR

Brazed Heat Exchangers

Steam to Water, Water to Water, Glycol to Water

Capacities Max Flow	**400 US GPM** 91 m^3/h
Maximum Pressure	**300 PSI** 2068 kPa
Liquid Temperature	**300°F** 149°C
Application	**Water** Glycol Steam
Construction Materials	Titanium, stainless steel. *Available in other materials upon request.*

W, S

Shell & Tube Heat Exchangers

Steam to Water, Water to Water, Glycol to Water

Capacities Max Flow	**234 US GPM** 54 m^3/h
Maximum Pressure	**145 PSI** 373 kPa
Liquid Temperature	**300°F** 149°C
Application	**Water** Glycol Steam
Construction Materials	Carbon steel or stainless steel with stainless steel tubes.

TANKS & AIR SEPARATORS

SEP

Vortex Tangential Air Separator

RL

Capacities Max Flow	**67 000 US GPM** 15 217 m^3/hr
Maximum Pressure	**250 PSI** 1724 kPa
Liquid 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

Capacities Max Flow	**12 100 US GPM** 2748 m^3/hr
Maximum Pressure	**250 PSI** 1724 kPa
Liquid Temperature	**550°F** 288°C
Connections Diameter	**2 to 36 in** 50 to 914 mm
Construction Materials	Carbon steel or stainless steel

RDT/BT

Fixed Bladder & Replaceable Bladder Expansion Tank

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

Capacities Max Flow	**3962 US GPM** 15 000 L.
Maximum Pressure	**250 PSI** 1724 kPa
Liquid Temperature	**240°F** 115°C
Connections Diameter	**1 to 3 in** 25 to 75 mm
Construction Materials	Carbon steel, EPDM

RLU /RWU/RSE

Hot Water Storage Tank with Heater

Capacities Max Flow	**15 000 Gallons** 56 781 L.
Maximum Pressure	**250 PSI** 1724 kPa
Liquid Temperature	**500°F** 288°C
Connections	As Requested.
Construction Materials	Carbon steel or stainless steel.

COMPARISON CHART

VERTICAL & HORIZONTAL IN-LINE

Flo Fab	Grundfos	Armstrong	Taco	Weinman	Trush	Paco
Series	Series	Series	Series	Series	Series	Series
GEM	HSCS	N/A	N/A	N/A	N/A	N/A
Max GPM 12000	Max GPM 10000	Max GPM –	Max GPM –	Max GPM –	Max GPM –	Max GPM –
Max Head 800	Max Head 800	Max Head –	Max Head –	Max Head –	Max Head –	Max Head –
Series	Series	Series	Series	Series	Series	Series
GEB	HSCS	N/A	N/A	N/A	N/A	N/A
Max GPM 12000	Max GPM 10000	Max GPM –	Max GPM –	Max GPM –	Max GPM –	Max GPM –
Max Head 800	Max Head 800	Max Head –	Max Head –	Max Head –	Max Head –	Max Head –

Flo Fab	Bell & Gossett	Armstrong	Taco	Weinman	Trush	Paco
Series	Series	Series	Series	Series	Series	Series
600	60	H/1060	1600	GT	GT	GT
Max GPM 270	Max GPM 180	Max GPM 145	Max GPM 200	Max GPM 145	Max GPM 145	Max GPM 145
Max Head 120	Max Head 62	Max Head 55	Max Head 55	Max Head 55	Max Head 55	Max Head 55
Series	Series	Series	Series	Series	Series	Series
600	90	1050	1900	GTV	GTV	GTV
Max GPM 270	Max GPM 200	Max GPM 300	Max GPM 200	Max GPM 150	Max GPM 150	Max GPM 150
Max Head 120	Max Head 225	Max Head 55	Max Head 65	Max Head 55	Max Head 55	Max Head 55

VERTICAL & HORIZONTAL IN-LINE

Flo Fab	Bell & Gossett	Armstrong	Taco	Weinman	Trush	Paco
Series	Series	Series	Series	Series	Series	Series
840SC	80SC	4300	N/A	N/A	N/A	VLS
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
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	N/A	N/A	N/A	N/A	N/A	N/A
Max GPM 2800	Max GPM –	Max GPM –	Max GPM –	Max GPM –	Max GPM –	Max GPM –
Max Head 560	Max Head –	Max Head –	Max Head –	Max Head –	Max Head –	Max Head –
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 –

HORIZONTAL FRAME MOUNTED END SUCTION

Series	Series	Series	Series	Series	Series	Series
1000	N/A	N/A	N/A	N/A	N/A	N/A
Max GPM 1800	Max GPM –	Max GPM –	Max GPM –	Max GPM –	Max GPM –	Max GPM –
Max Head 400	Max Head –	Max Head –	Max Head –	Max Head –	Max Head –	Max Head –
Series	Series	Series	Series	Series	Series	Series
2000	1510	4030	FE/FI	550	PH/HPF	LF
Max GPM 1800	Max GPM 2800	Max GPM 2200	Max GPM 2000	Max GPM 2000	Max GPM 1700	Max GPM 6000
Max Head 260	Max Head 520	Max Head 600	Max Head 190	Max Head 300	Max Head 230	Max Head 400
Series	Series	Series	Series	Series	Series	Series
2600	N/A	40P	N/A	N/A	N/A	N/A
Max GPM 1800	Max GPM –	Max GPM 4500	Max GPM –	Max GPM –	Max GPM –	Max GPM –
Max Head 400	Max Head –	Max Head 600	Max Head –	Max Head –	Max Head –	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	Max GPM	Max GPM	Max GPM	Max GPM	Max GPM	Max GPM
12000	10000	5000	5000	6000	-	-
Max Head	Max Head	Max Head	Max Head	Max Head	Max Head	Max Head
800	800	550	400	400	-	-

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	Max GPM	Max GPM	Max GPM	Max GPM	Max GPM	Max GPM
8000	10000	-	-	-	-	-
Max Head	Max Head	Max Head	Max Head	Max Head	Max Head	Max Head
500	400	-	-	-	-	-

HORIZONTAL SPLIT CASE TOP SUCTION & TOP DISCHARGE

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

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	Max GPM	Max GPM	Max GPM	Max GPM	Max GPM	Max GPM
12000	6000	-	-	-	-	12750
Max Head	Max Head	Max Head	Max Head	Max Head	Max Head	Max Head
800	570	-	-	-	-	700

STAINLESS STEEL

PSMCF

Vertical Multistage

Capacities Max Flow	**250 US GPM** 56 m^3/hr
Head Max	**930 ft** 283 m
Maximum Pressure	**430 PSI** 2964 kPa
Horsepower Pressure	**50 HP** 37 kW
Application **Water** Clear liquids	**Temperature** **5-248°F** -15-120°C
Driven by	Vertical Electrical Motor
Construction Materials	#304 Stainless steel optional #316 S/S

PSM

Vertical Multistage

Capacities Max Flow	**390 US GPM** 89 m^3/hr
Head Max	**930 ft** 283 m
Maximum Pressure	**430 PSI** 2964 kPa
Horsepower Pressure	**50 HP** 37 kW
Application **Water** Clear liquids	**Temperature** **5-248°F** -15-120°C
Driven by	Vertical Electrical Motor
Construction Materials	Cast iron, bronze fitted as standard or #304 & #316 stainless steel

PSF

Flanged Close Coupled Centrifugal

Capacities Max Flow	**380 US GPM** 86 m^3/hr
Head Max	**750 ft** 227 m
Maximum Pressure	**145 PSI** 1000 kPa
Horsepower Pressure	**15 HP** 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 Max Flow	**52 US GPM** 12 m^3/hr
Head Max	**750 ft** 227 m
Maximum Pressure	**115 PSI** 793 kPa
Horsepower Pressure	**3 HP** 2.24 kW
Application **Water** Clear liquids	**Temperature** **225°F** 107°C
Driven by	Electrical Close Coupled Motors
Construction Materials	#304 Stainless steel

Standard Booster System

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

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

SUBMERSIBLE PUMP

LB-25, 40, 75, 215 & 315

Effluent Pump

Capacities Max Flow	**175 US GPM** 40 m^3/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 m^3/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 m^3/hr
Head Max	**4 to 59 ft** 1.2 to 18 m
Solid size	**3/4”** **2”** 19 mm 50 mm
Horsepower	**1 HP** 0.75 kW
Application **Water, Sewage,** Waste Liquids	**Temperature** **200°F** 94°C
Driven by	Air Filled Electrical Motor, Explosion Proof
Construction Materials	Cast Iron

LBK-75 / LBK-215 & 315

Effluent / Sewage Non Clog Pump

Capacities Max Flow	**185 US GPM** 42 m^3/hr
Head Max	**10 to 59 ft** 3 to 18 m
Solid size	**3/4"** **2"** 19 mm 50 mm
Horsepower	**1 HP** 0.75 kW
Application **Water /** Water & Waste Liquids	**Temperature** **200°F** 94°C
Driven by	Air Filled Electrical Motor, Explosion Proof
Construction Materials	Cast Iron

FBV-332 / FBV-337 & 437

Sewage Non Clog Pump

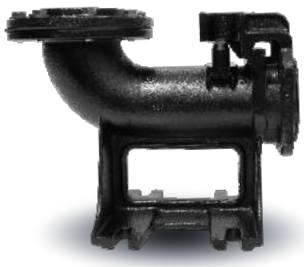
Capacities Max Flow	**317 US GPM** 72 m^3/hr
Head Max	**8 to 66 ft** 2.4 to 20 m
Solid size	**2"** **3"** 50 mm 80 mm
Horsepower	**5 HP** 3.7 kW
Application **Water, Sewage** & Waste Liquids	**Temperature** **200°F** 94°C
Driven by	Air Filled Electrical Motor, Explosion Proof
Construction Materials	Cast iron

FGC-015 & 022 / FGC-037 & 055

Sewage Grinder Pump

Capacities Max Flow	**61 US GPM** 14 m^3/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

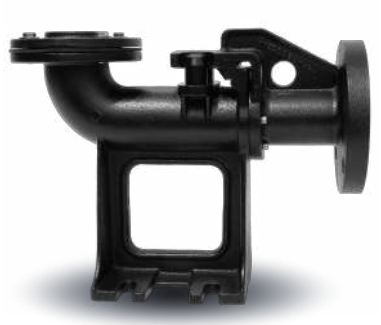
BREAK AWAY FITTING



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

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

LARGE ENGINEERED SUBMERSIBLE

FF6BSE-LDS / 9-30 HP

Discharge	6", 125 lb, flange horizontal
Spherical solids handlings	**4"**
HP	**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 solids handlings	**4"**
HP	**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"**
HP	**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 solids handlings	3"
HP	36-48
RPM	1150
Impeller	3 vane, 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 solids handlings	3"
HP	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	Oil filled
Motor	NEMA B, three phase, 230/460 volts, 60 Hz, air cooled, explosion proof, class 1, division 1, group C & D.
Construction Materials	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.

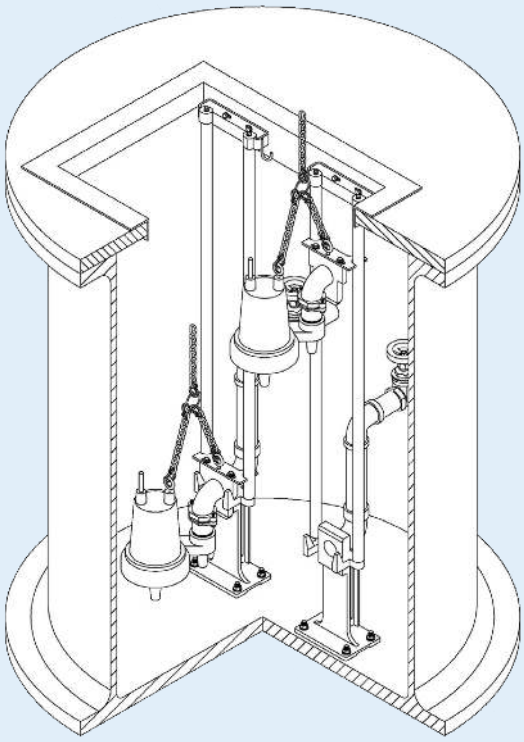
Guide Rail Fitting System

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 quick 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.



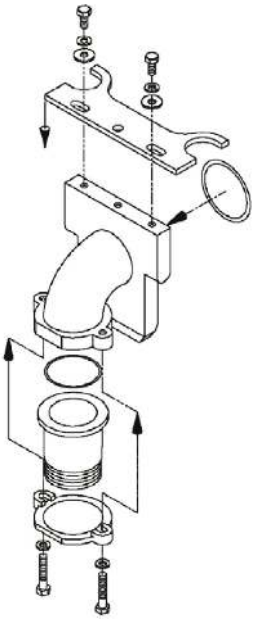
BERS-0125 THRU, BERS-0300 SERIES

Base Elbow Installation Instruction

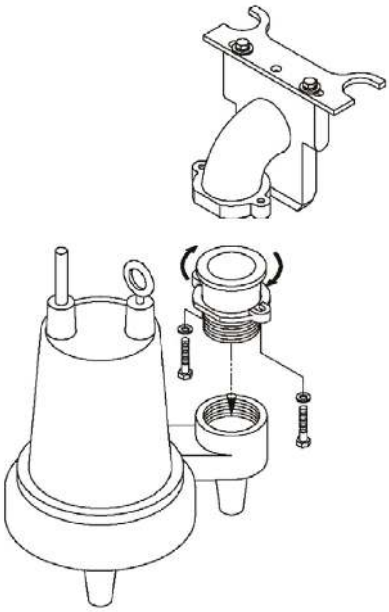
There are two main components to the Freeflo™ base elbow rail system, the stationary base and the pull out flange assembly.

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, lock-washers, and nuts. It is important to make sure the elbow is secured to the basin or col-lection tank bottom to



1.



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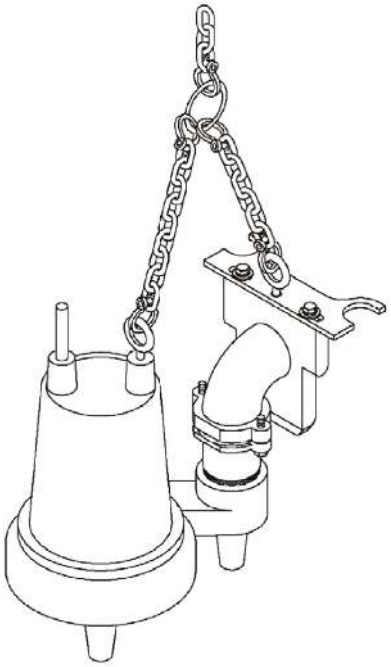


3.

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™ 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

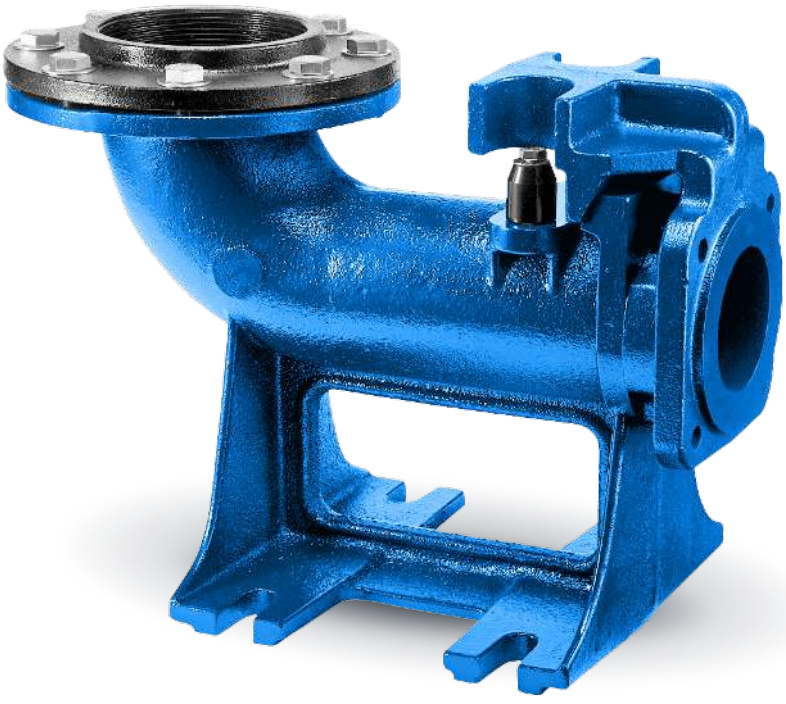
The threaded pump adapter flange will thread into the pump discharge as shown. The pump adapter flange is secured by tightening the two (2) long cap screws provided. This allows the pump to be oriented as necessary before lowering into the basin or collection tank.

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.



ACCESSORIES

TANK ALERT FLOAT

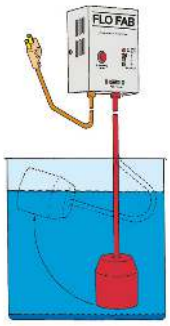
NEMA 1 Compliance in a metal alarm panel

Model

- 101 HW
- 101 LW
- With Dry Contact
- 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.

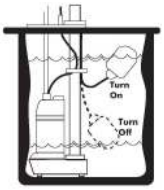


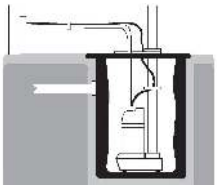
FLOAT SWITCH

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

Model	Contacts
• 30’ 720165	• N/O

Description





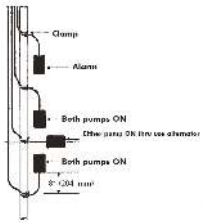
MECHANICAL FLOAT SWITCH

#720145 Bracket

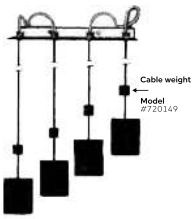
- Not included
- Included

Model	Contacts
• 30’ 720165	• with Plug • without Plug

Pipe Mounted



Suspended



CONTROL PANEL

Standard UL or CSA NEMA 1 — Enclosure

Model

- Simplex
- Duplex
- Triplex

- SSP
- DSP
- TSP

- 115/1
- 230/1

- 208/3
- 460/3
- 575/3

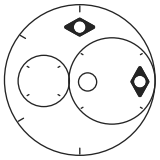
Description

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.

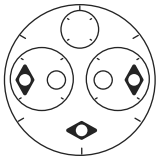
STEEL BASIN COVERS

Simplex & Duplex

Simplex



Duplex

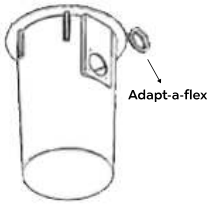


POLYETHYLENE BASIN

Polyethylene / Fiberglass

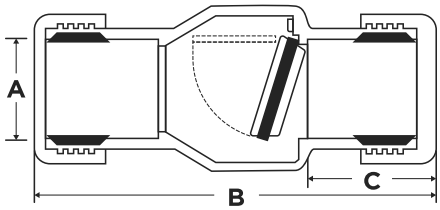
Model	Gallon
• 1830	30
• 2436	70
• 3636	159
• 4848	376

Description

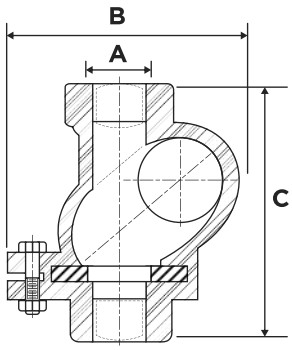


CHECK VALVE

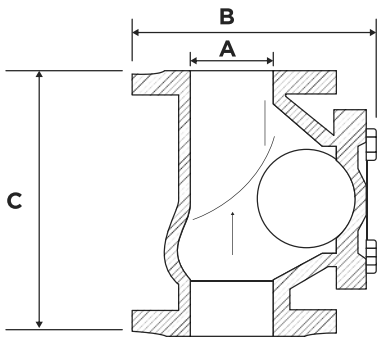
Type CVP



Type CB0125-CB0200



Type CB0300-0400



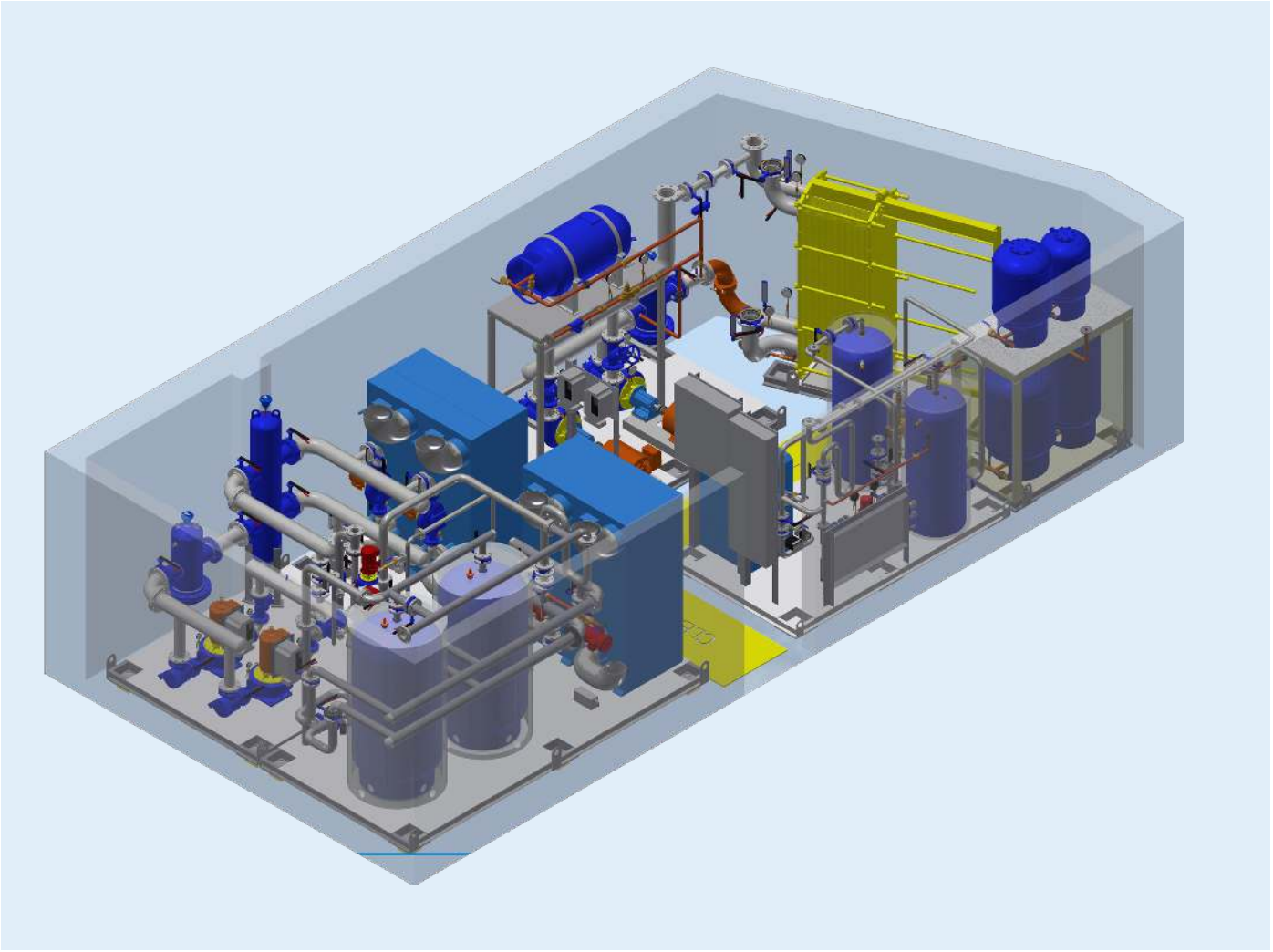
CHECK VALVE

Models	A	B		C		Pressure Test
		mm	in	mm	in	lb/po/ca
CVP0125	1 1/4 ” NPT	132	5 1/4	28	1 1/8	-
CVP0150	1 1/2 ” NPT	132	5 1/4	28	1 1/8	-
CVP0200	2” NPT	245	9 3/4	70	2 3/4	-
CVP0300	3” NPT	350	14	100	4	-
CB0125	1 1/4 ” NPT	119	4 11/16	135	5 5/16	150
CB0150	1 1/2 ” NPT	119	4 11/16	135	5 5/16	150
CB0200	2” NPT	157	6 3/16	175	6 7/8	150
CB0300	3” Flanged	214	8 7/16	246	9 1/16	150
CB0400	4” Flanged	282	11 1/8	300	11 3/16	150
CB0600	6”	398	15 11/16	421	16 9/16	150
CB0800	8”	495	19 1/2	533	21	150

COMPARISON CHART

SUBMERSIBLE PUMPS

FLO FAB	Barnes	Grundfos
LB25	EHV33L	EHV33L
LB40	EHV412L	EHV412L
LB75	EHH412L	EHH412L
LB215	2EHH1052L	2EHH1052L
LB315	-	
LB25	-	
LBV25	2SE414	2SE414
LBV40	2SEU412	2SEU412
LBV75	2SEU1052	2SEU1052
LBV215	3SEU1052	3SEU1052
LBV315	2SE51	2SE51
LBK75	-	
LBK215	-	
LBK315	-	
FBV322	3SE2852	3SE2852
FBV337	-	-
FBV437	SGV2052	SGV2052
FGC1215	-	-
FBV337	-	-
FBV437	-	-
FGC1215	-	-



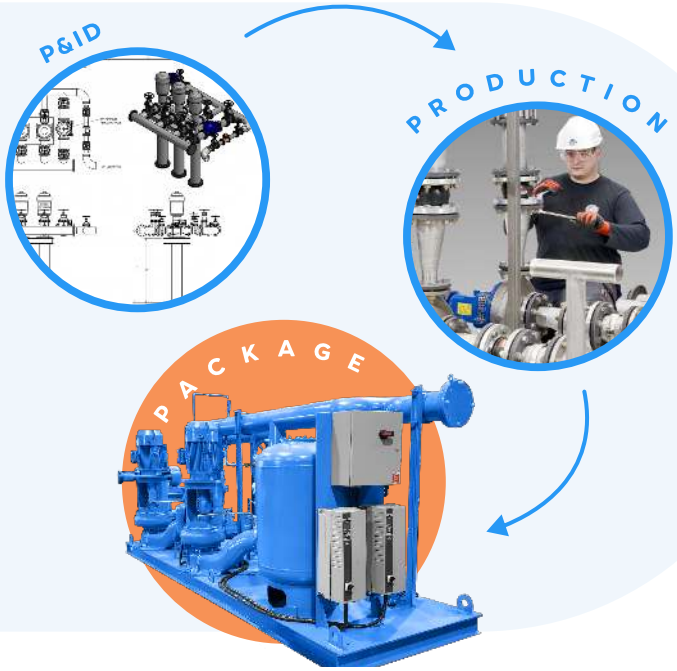
Optimal Mechanical Room

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.

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.

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.

FASTER COMMISSIONING

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

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.

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.

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.

CHILLER SYSTEM

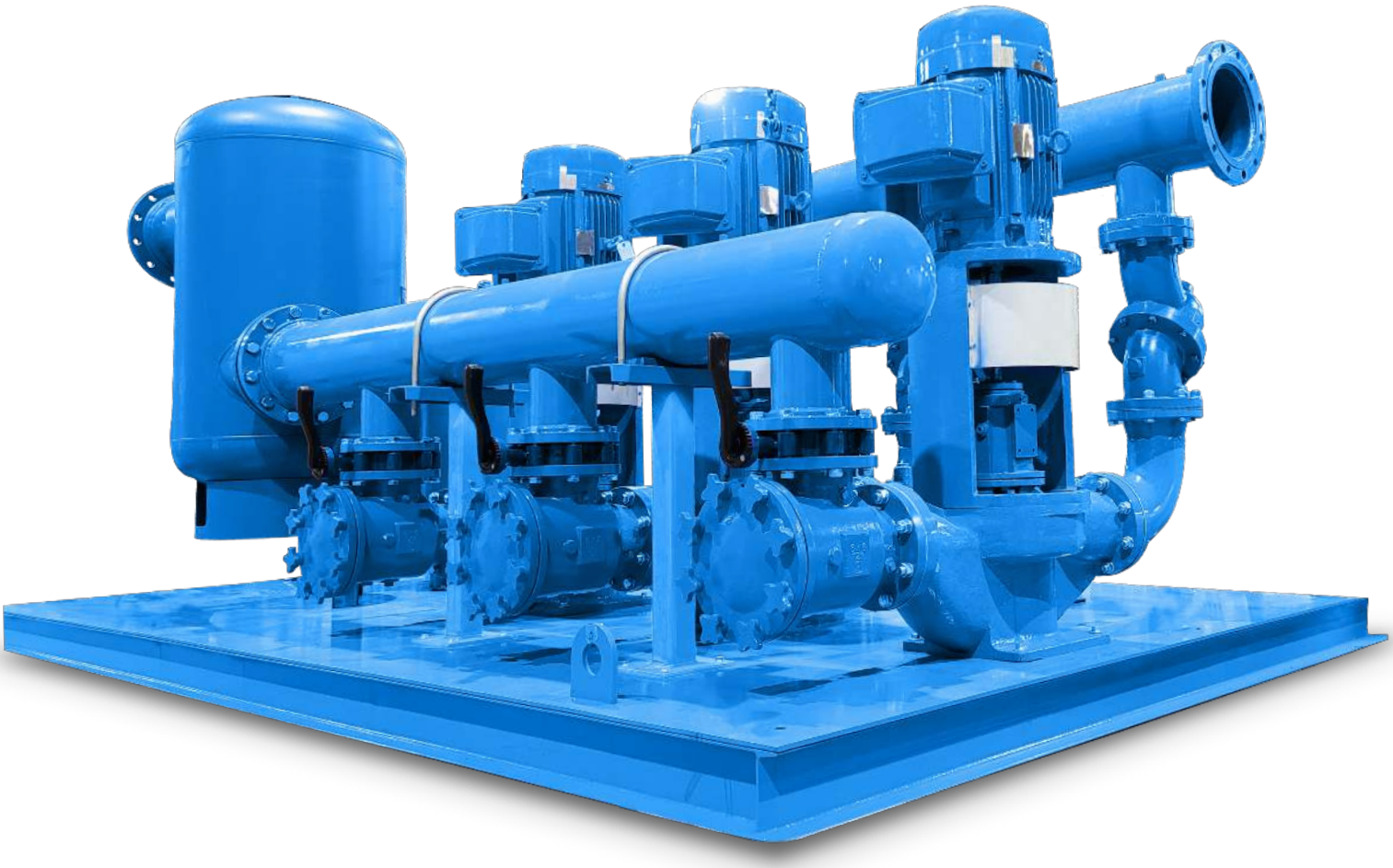
CHI

Chiller Package

Capacities Max Flow	**12 000 US GPM** 2725 m^3/hr
Head Max	**692 ft** 211 m

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

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



BOI

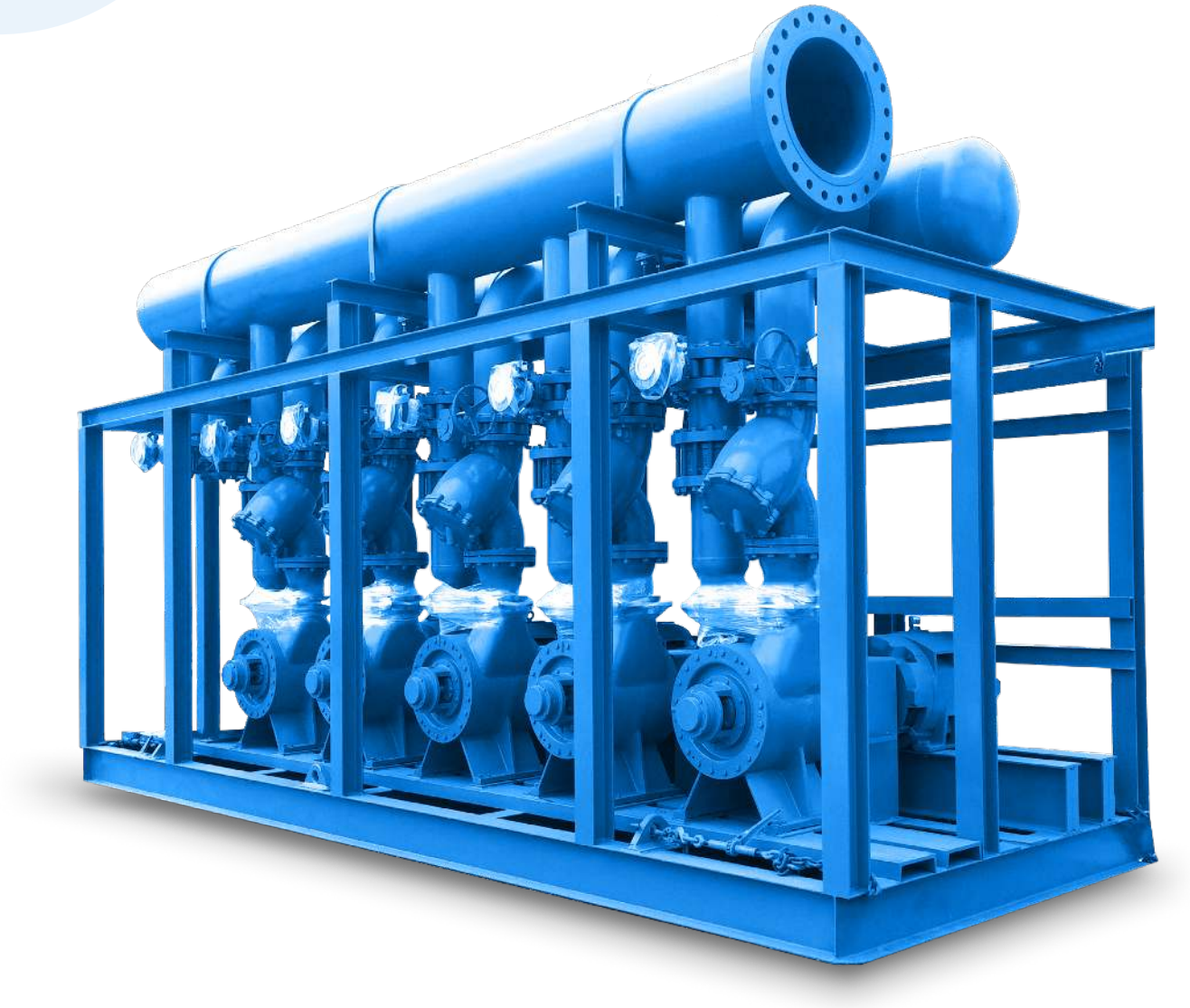
Boiler Package

Capacities Max Flow	**12 000 US GPM** 2725 m^3/hr
Head Max	**692 ft** 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 Materials	Bronze, stainless steel or cast iron

HEATING/COOLING SYSTEM



LCOO

Large Cooling Package

Capacities Max Flow	**12 000 US GPM** 2725 m^3/hr
Head Max	**692 ft** 211 m

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

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

PRESSURE SYSTEM

D-CPS-HT

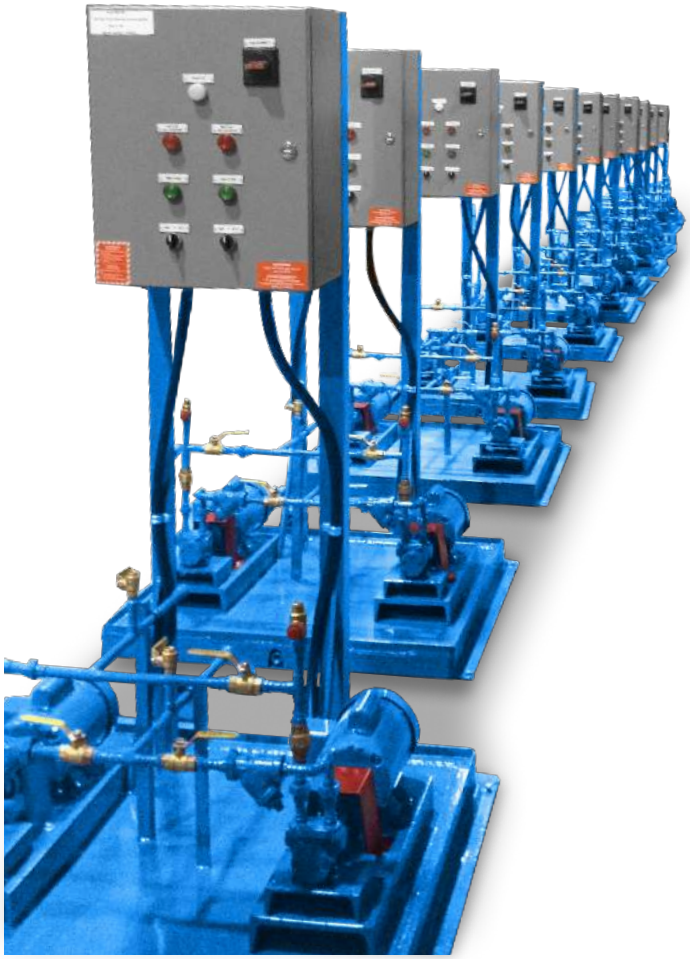
Duplex VFD

Capacities Max Flow	**12 000 US GPM** 2725 m^3/hr
Head Max	**692 ft** 211 m

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

Application	**Temperature**
Hot/Cold Water	**200°F** 93°C
Construction Materials	Bronze, stainless steel or cast iron

DUPLEX SYSTEM



D-FOM

Duplex Fuel Oil System

Capacities Max Flow	**30 US GPM** 3.1 m^3/hr
Head Max	**692 ft** 211 m

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

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

D-HC-XRI

Duplex Package

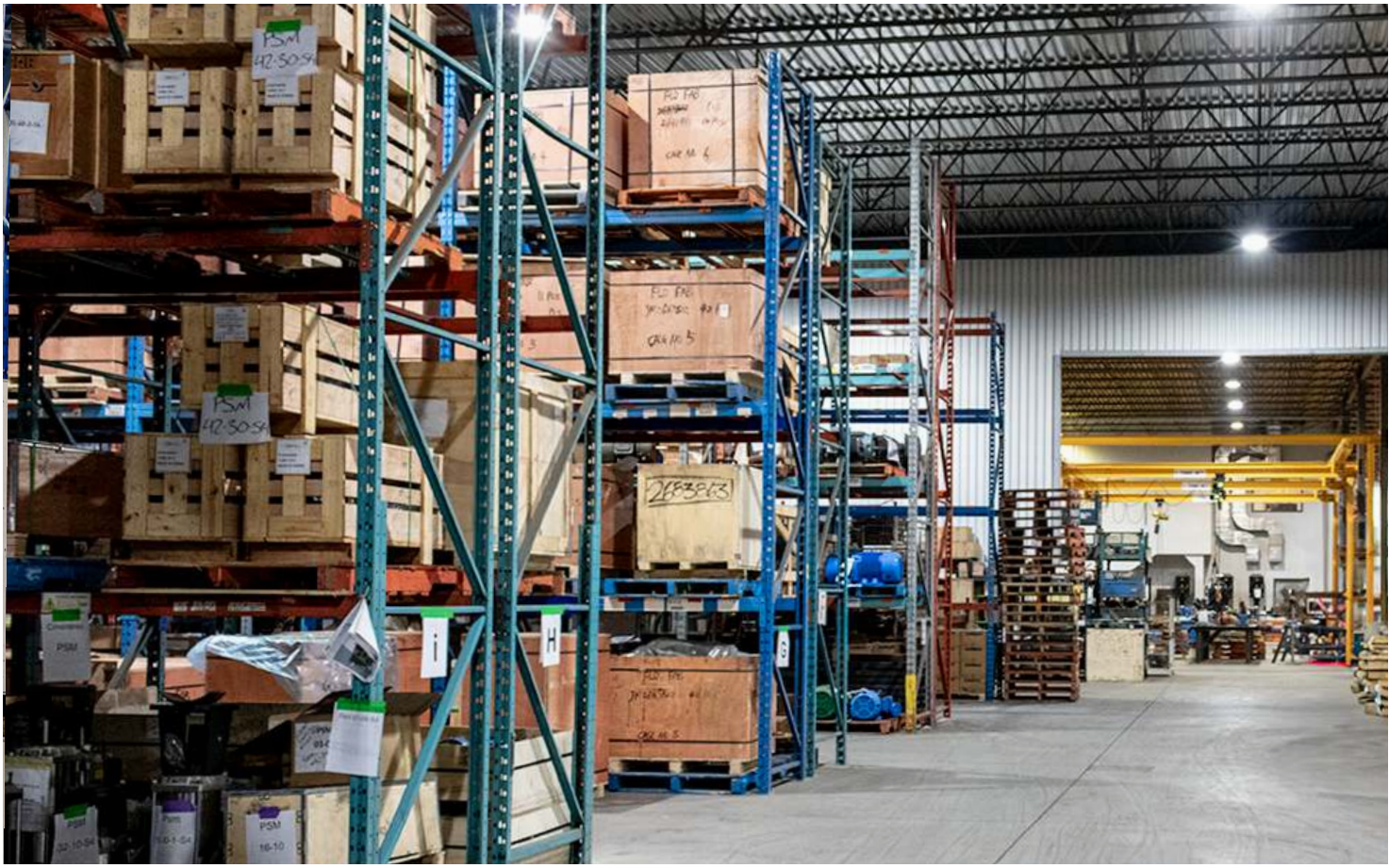
Capacities Max Flow	**12 000 US GPM** 2725 m^3/hr
Head Max	**692 ft** 211 m

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

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

Our installations

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




FAB
860


Bray
FlowTek


FAB

FLEXIBLES

ST

Flexible

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

DUT

Union Arch Flexible

Materials	Steel union and EPDM
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"**
Connections	Flanged

SSP & DSP

Single & Double Arch Flexible

Materials	Steel flanged and EPDM
Pressure	214 PSIG at 240°F with water
Size range	**1 1/2" to 14"**
Connections	SSP Flanged Single DSP FLanged Double

HYDRONIC, BALANCING & MULTIFUNCTION VALVE

MV

Air Valve Release

Materials	Brass *
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

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

VALVES

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 high-flow, 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

STRAINERS

ASDFF

Suction Diffuser

Materials	Cast iron body with stainless steel sceen*
Pressure	**175 PSIG at 250°F with water** 200 PSIG at 150°F with steam
Size range	**2" to 20" ****
Connections	Flanged

LCTY

Suction Diffuser

Materials	Cast iron body with stainless steel sceen
Pressure	**400 PSIG at 150°F with water** 250 PSIG at 406°F with steam
Size range	**1/2" to 2"**
Connections	Threaded

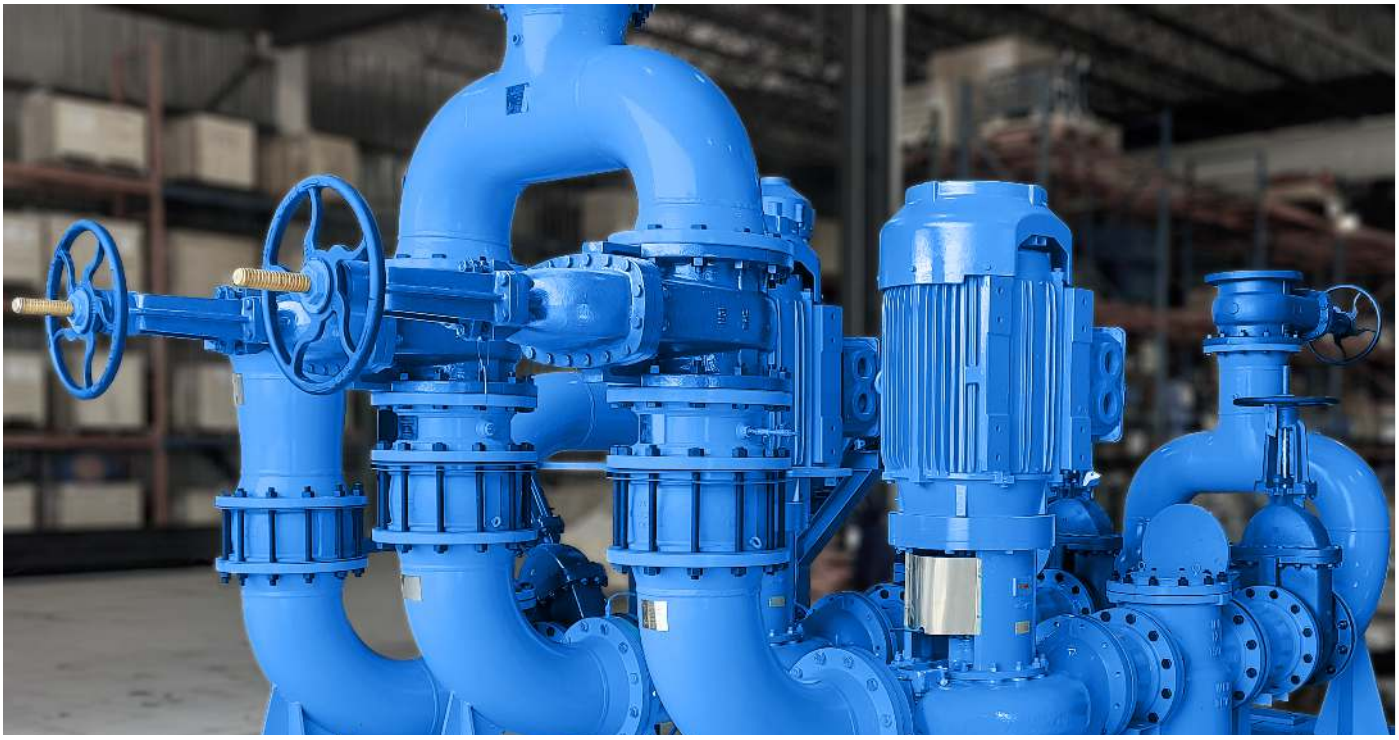
LYF

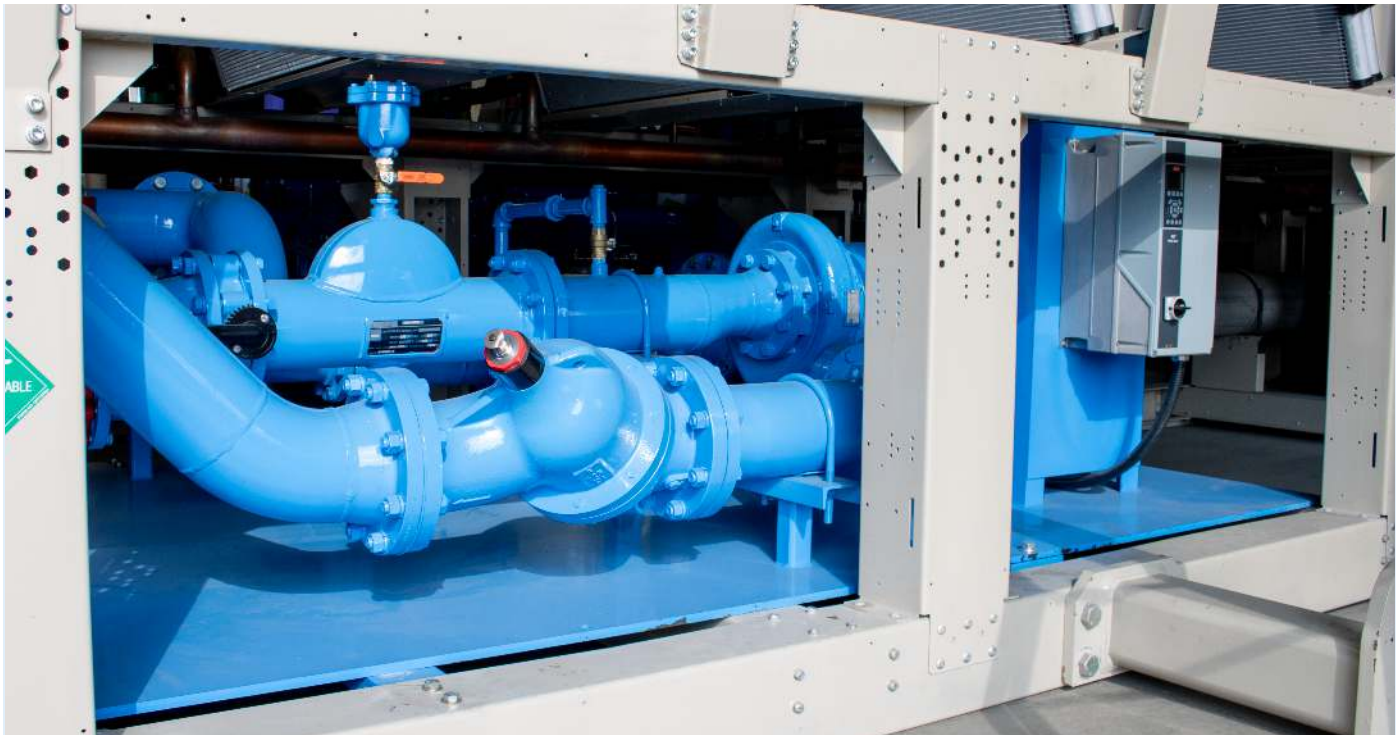
Suction Diffuser

Materials	Cast iron body with stainless steel sceen*
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

OUR PACKAGES





OUR WARRANTY

Five-Year 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.

1. **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.
2. **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.
5. **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.
6. **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.
8. **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.

Eight-Year Warranty On Package

(Parts & Labor)

We are confident in the quality and performance of our product and are pleased to offer an 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 pump package, including the pump, motor, control panel, valves, and other related components, for a period of eight years from the date of purchase.
2. **Parts Replacement**: In the event of any covered defects, we will provide free 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.
4. **Exclusions**: This warranty does not cover defects or damages resulting from improper installation, misuse, negligence, unauthorized repairs or modifications, accidents, lack of proper maintenance, 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.
5. **Notification and Claim Process**: If you encounter any issues covered by this warranty, please notify our customer support team immediately. They will provide guidance on troubleshooting steps or initiate the warranty claim process. To ensure a smooth resolution, please provide any relevant details, such as the nature of the problem, serial number, and proof of purchase.
6. **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.
7. **Transferability**: This warranty is non-transferable and applies only to 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 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.
9. **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.

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

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