



## COMPLETE PRODUCT LINE

Manufacturer of Pumps, Tanks, Heat Exchangers & Accessories



www.flofab.com

#### **HISTORY**

Flo Fab was established in 1981 by Denis Gauvreau who created and developed the product line, which is constantly being perfected by Marc Gauvreau and a team of professional engineers and designers. It is a combination of existing designs from several renowned products and the innovative ideas of a new generation professionals.

Founder 1981



Through the years, Flo Fab has acquired several companies and service entities including: AQUA-PROFAB (ASME Tanks manufacturer), MÉNARD, LÉONARD ÉLECTRIQUE, PMA. Moreover, Flo Fab also purchased equipment, fabrication designs and patterns from IDEALCO, a manufacturer of shell and tube type heat exchangers.

The after-sales services, sales, engineering, R&D, production, quality control, accounting and administration departments of all the above companies share the same location.

In December 2014, Marc Gauvreau, son of the founder, acquired all of the company's shares. Flo Fab and is constantly investing in new state-of-the-art innovations, new products like the XRI series and Prefab Skid for Hydronic Hearing 8 cooling system and pumping systems. This has allowed Flo Fab to retain our competent and qualified staff of professionals with a variety of specialized skills that continually work on improving our existing products and adding new engineered solutions that exceed customers' expectations .

Flo Fab has grown quite rapidly and now proudly offers of a wide range of products available directly from one manufacturer. This includes pumps and pump packages, tanks, heat exchangers and hydronic accessories. This allows each project's stakeholders to enjoy economical savings, peace of mind, best value for their investment and optimized total cost of ownership.

MG

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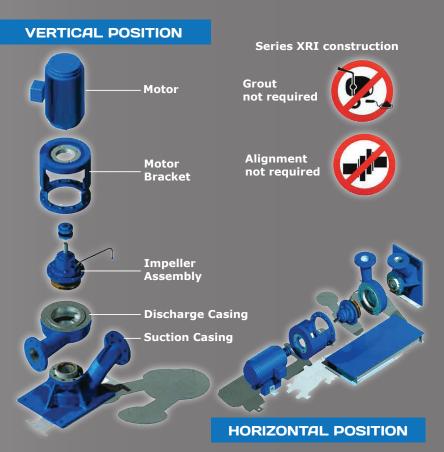
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#### **VERTICAL IN-LINE PUMPS**

SERIES	500	600	840SC	880RI
SIMILAR TO	Magna / Astro / UP / PL / 00	2400 / 1900 / 1600 / S / H / 90 /60		4300 / 80SC / VLI / KS
TYPE	Circulating Pump	In-Line Circulator	Vertical In-Line Centrifugal Split Coupling	Vertical In-Line Centrifugal Split Coupling
CAPACITIES	up to 234 USGPM (54 m³/hr)	up to 290 USGPM (61 m³/hr)	454 to 8000 USGPM (1816 m³/hr)	Up to 3000 USGPM (680 m³/hr)
HEAD	up to 43 ft. (14 m)	up to 120 ft. (37 m)	up to 410 ft. (125 m)	up to 650 ft. (198 m)
PRESSURE	up to 145 PSI (999 kPa)	up to 250 PSI (1724 kPa)	up to 600 PSI (4136 kPa)	up to 250 PSI (1724 kPa)
HORSEPOWER	up to 2/5 HP (280 kW)	up to 10 HP (7.5 kW)	up to 400 HP (298 kW)	up to 200 HP (149kW)
DRIVES	ECM Motor ERP Ready	56C Electric Motors	TC Electric Motors	TC Electric Motors
APPLICATIONS	Water / Glycol	Water / Glycol	Water / Glycol	Water / Glycol
TEMPERATURE	up to 220°F (104°C)	up to 250°F (121°C)	up to 300°F (149°C)	up to 300°F (149 °C)
CONSTRUCTION MATERIAL	Cast Iron, Stainless, Bronze	Cast Iron, Bronze Fitted or All Bronze	Cast Iron, Bronze Fitted as Standard. Other materials also available	Cast Iron, Bronze Fitted as Standard. Other materials also available

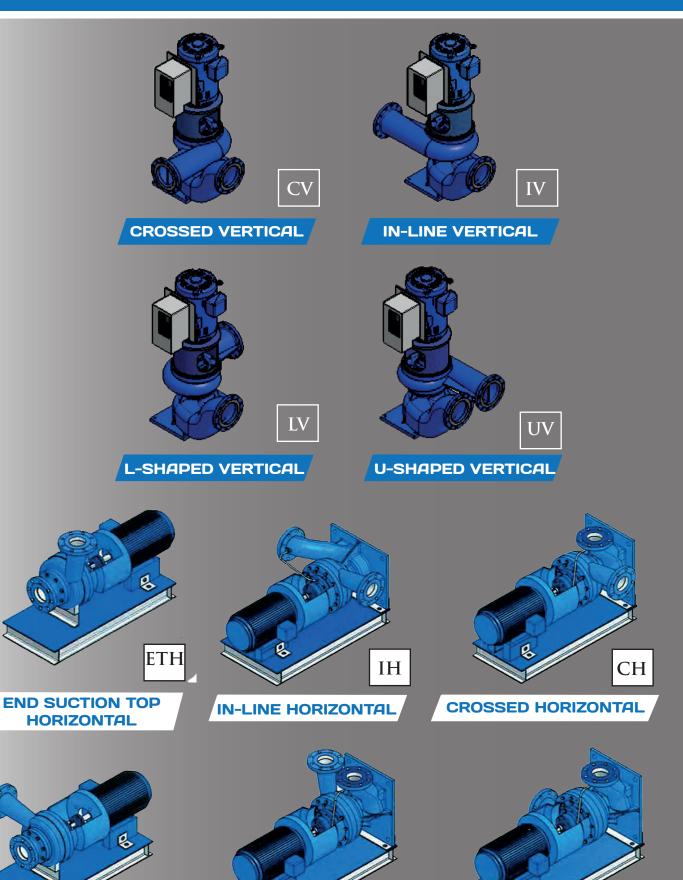
#### **SERIES** XRI 4300 / 80SC / VSX / VLI / VSM / VSMS SIMILAR TO Universal 10 positions Vertical / Horizontal **TYPE** Centrifugal Pump with removable Impeller up to 15850 USGPM **CAPACITIES** 3600 m<sup>3</sup>/hr up to 655ft HEAD (200m) up to 600 PSI **PRESSURE** (4136 kPa) up to 1000 HP **HORSEPOWER** (746 kW) **DRIVES** TC Electric Motors **APPLICATIONS** Water / Glycol **TEMPERATURE** up to 300°F (149°C) Cast Iron, CONSTRUCTION Bronze Fitted as MATERIAL Standard. Other materials also available

## - FEATURE PRODUCT-



3

### SERIES XRI VARIOUS CONFIGURATIONS



UH

**U-SHAPED HORIZONTAL** 

**END SUCTION** 

**HORIZONTAL** 

ESH

LH

L-SHAPED HORIZONTAL



# VERTICAL IN-LINE, HORIZONTAL BASE MOUNTED, CLOSED COUPLED, AND SPLIT CASE DOUBLE SUCTION TYPE PUMPS

SERIES	880	1000/1004	2000	2300 / 2600
SIMILAR TO	80 / VL / 4380	1530 / 1532 / CM / C LCS / 4280	LF / F / 4030 / 1510 / FM	LF / F / 4030 / 1510 / FM
TYPE	Compact In-Line Centrifugal	End Suction, Close Coupled	Radially Split Bearing Frame Pump Mounted With Flexible Coupling Back PULL-OUT Design	Radially Split Bearing Frame Pump Mounted With Flexible Coupling Back PULL-OUT Design
CAPACITIES	up to 3000 USGPM (680 m³/hr)	up to 1900 USGPM (431 m³/hr)	up to 1900 USGPM (431 m³/hr)	from 1900 to 6500 USGPM (432 to 1476 m³/hr)
HEAD	up to 650 ft. (198 m)	up to 43 ft. (14 m)	up to 120 ft. (37 m)	up to 410 ft. (125 m)
PRESSURE	up to 250 PSI (1724 kPa)	up to 175 PSI (1206 kPa)	up to 175 PSI (1206 kPa) with 125# flanges	up to 400 PSI (1206 kPa) with 400# flanges
HORSEPOWER	up to 200 HP (149 kW)	up to 200 HP (149 kW)	up to 200 HP (149 kW)	up to 500 HP (373 kW)
DRIVES	JM Electric Motors	JM Electric Motors	T Frame Electric Mo- tors or Diesel Engines	T Frame Electric Motors or Diesel Engines
APPLICATIONS	Water / Glycol	Water / Glycol	Water / Glycol	Water / Glycol
TEMPERATURE	up to 300°F (149 °C)	up to 300°F (149 °C)	up to 300°F (149 °C)	up to 300°F (149 °C)
CONSTRUCTION MATERIAL	Cast Iron, Bronze Fitted as Standard. Other mate- rials also available	Cast Iron, Bronze Fitted as Standard. Other mate- rials also available	Cast Iron, Bronze Fitted as Standard. Other ma- terials also available	Cast Iron, Bronze Fitted as Standard. Other mate- rials also available
	1			
SERIES	4800L	4800U	4800/4800H/4900	4800V
SERIES SIMILAR TO	4800L VSX / TS	4800U VSX	HSC / 4600 / KPGT / HS	4800V KPV
	VSX / TS Single Stage, Double Suction Split Case	VSX Single Stage, Double Suction Split Case	HSC / 4600 / KPGT / HS Horizontally Mounted, Single Stage, Double Suction Split Case	KPV  Vertically Mounted, Single Stage, Double Suction Split Case
SIMILAR TO	VSX / TS  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)	VSX Single Stage, Double Suction Split Case up to 12000 USGPM (2725 m³/hr)	HSC / 4600 / KPGT / HS Horizontally Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr)	Vertically Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr)
SIMILAR TO	VSX / TS  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)	VSX  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)	HSC / 4600 / KPGT / HS Horizontally Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr) up to 625 ft. (190 m)	Vertically Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr) up to 625 ft. (190 m)
SIMILAR TO  TYPE  CAPACITIES	VSX / TS  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)  up to 600 PSI (4136 kPa)	VSX  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)  up to 600 PSI (4136 kPa)	HSC / 4600 / KPGT / HS  Horizontally Mounted, Single Stage, Double Suction Split Case  up to 12700 USGPM (2884 m³/hr)  up to 625 ft. (190 m)  up to 600 PSI (4136 kPa)	Vertically Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr) up to 625 ft. (190 m) up to 600 PSI (4136 kPa)
SIMILAR TO  TYPE  CAPACITIES  HEAD	VSX / TS  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)  up to 600 PSI (4136 kPa)  up to 800 HP (597 kW)	VSX  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)  up to 600 PSI (4136 kPa)  up to 800 HP (597 kW)	HSC / 4600 / KPGT / HS Horizontally Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr) up to 625 ft. (190 m) up to 600 PSI (4136 kPa) up to 1750 HP (1305 kW)	Vertically Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr) up to 625 ft. (190 m) up to 600 PSI
SIMILAR TO  TYPE  CAPACITIES  HEAD  PRESSURE  HORSEPOWER  DRIVES	VSX / TS  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)  up to 600 PSI (4136 kPa)  up to 800 HP (597 kW)  Electric Motors, Diesel Engines, Steam Turbines	VSX  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)  up to 600 PSI (4136 kPa)  up to 800 HP (597 kW)  Electric Motors, Diesel Engines, Steam Turbines	HSC / 4600 / KPGT / HS Horizontally Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr) up to 625 ft. (190 m) up to 600 PSI (4136 kPa) up to 1750 HP (1305 kW) Electric Motors, Diesel Engines, Steam Turbines	KPV  Vertically Mounted, Single Stage, Double Suction Split Case  up to 12700 USGPM (2884 m³/hr)  up to 625 ft. (190 m)  up to 600 PSI (4136 kPa)  up to 1750 HP (1305 kW)  Electric Motors, Diesel Engines, R.A.G.D
SIMILAR TO  TYPE  CAPACITIES  HEAD  PRESSURE  HORSEPOWER	VSX / TS  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)  up to 600 PSI (4136 kPa)  up to 800 HP (597 kW)  Electric Motors, Diesel Engines, Steam Turbines  Water / Glycol	VSX  Single Stage, Double Suction Split Case  up to 12000 USGPM (2725 m³/hr)  up to 750 ft. (227 m)  up to 600 PSI (4136 kPa)  up to 800 HP (597 kW)  Electric Motors, Diesel Engines, Steam Turbines  Water / Glycol	HSC / 4600 / KPGT / HS  Horizontally Mounted, Single Stage, Double Suction Split Case  up to 12700 USGPM (2884 m³/hr)  up to 625 ft. (190 m)  up to 600 PSI (4136 kPa)  up to 1750 HP (1305 kW)  Electric Motors, Diesel Engines, Steam Turbines  Water / Glycol	Vertically Mounted, Single Stage, Double Suction Split Case up to 12700 USGPM (2884 m³/hr) up to 625 ft. (190 m) up to 600 PSI (4136 kPa) up to 1750 HP (1305 kW)  Electric Motors, Diesel Engines, R.A.G.D
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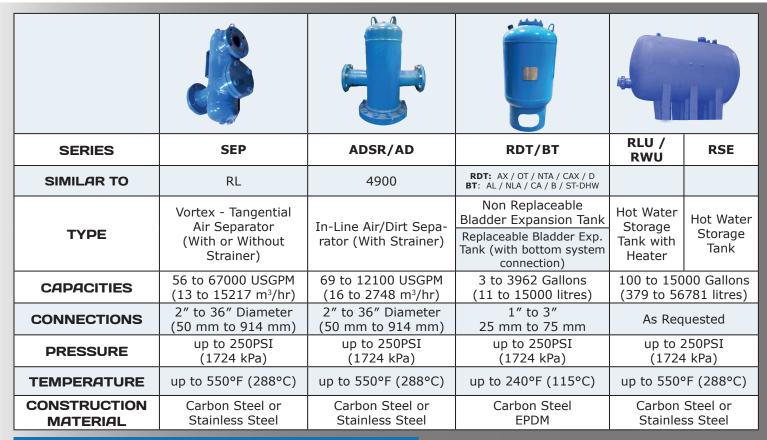
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## MULTISTAGE AND CLOSED COUPLED STAINLESS STEEL TYPE PUMPS SHELL AND TUBE, PLATE AND FRAME, BRAZED TYPE HEAT EXCHANGERS

SERIES	PSM	CF	PSM	PSF	PST
SIMILAR TO			1535 / 4700 / CR		SCX / 1700
TYPE	Vertical Mu		Vertical Multistage	Flanged Close Coupled Centrifugal	NPT Close Coupled Centrifugal
CAPACITIES	up to 250 (56 m <sup>3</sup>	³/hr)	up to 792 USGPM (180 m³/hr)	13 to 380 USGPM (3 to 86 m³/hr)	up to 52 USGPM (12m³/hr)
HEAD	up to 9 (283	m)	up to 930 ft. (283 m)	up to 150 ft. (46 m)	up to 150 ft. (46 m)
PRESSURE	up to 43 (2964	kPa)	up to 430 PSI (2964 kPa)	up to 145 PSI (1000 kPa)	up to 115 PSI (793 kPa)
HORSEPOWER	up to 5 (37 k	I	up to 100 HP (75 kW)	up to 15 HP (11 kW)	up to 3 HP (2.2 kW)
DRIVES	Vertical E Mot		Vertical Electrical Motor	Electric Close Coupled Motors	Vertical Electrical Motor
APPLICATIONS	Water Clear Li		Water and Clear Liquids	Water and Clear Liquids	Water and Clear Liquids
TEMPERATURE	5°F (-15°C) to 248°F (120°)		5°F (-15°C) to 248°F (120°)	up to 225°F (107°C)	up to 225°F (107°C)
CONSTRUCTION MATERIAL	#304 Stainless Steel Optional #316 S/S		Cast Iron as Standard, or Stainless Steel #304 & #316	#304 Stainless Steel	#304 Stainless Steel
	Shell an Heat Exc		Plate and Frame Heat Exchangers	Brazed Heat Exchangers	
SERIES	"W"	"S"	"FFW" AHRI	"BR"	IQP1000 / ACH550
TYPE	Water to Water / Glycol to Water	Steam to Water	Steam to Water Water to Water Glycol to Water	Steam to Water Water to Water Glycol to Water	VFD Flo Fab's Prefered* 200-240V / 3-Phase 380-480V / 3-Phase 500-600V / 3-Phase
CAPACITIES	up to 300 681 n up to 2 (1724 kpa	n³/hr 50 PSI	up to 10000 USGPM 2271 m³/hr up to 250 PSI (1724 kpa) Steam	up to 400 USGPM 91 m³/hr up to 150 lbs Steam	150% for 60 sec. (HD), 120% for 60 sec. (ND)
PRESSURE	150 PSI (1 250 PSI (1		300 PSI (2068 kPa)	300 PSI (up to 2068 kPa)	
APPLICATIONS	Water, G Ste	-	Water, Glycol or Steam	Water, Glycol or Steam	
TEMPERATURE	up to 300°	F (144°C)	up to 300°F (144°C)	up to 300°F (144°C)	
CONSTRUCTION MATERIAL	Carbon Steel or Stainless Steel with Stainless Steel Tubes		Carbon Steel, Titanium and Stainless Steel. Other materials available	Titanium and Stainless Steel. Other materials available	

#### **ASME TANKS & AIR SEPARATORS**



#### **Quotation Requirement for Skid**

#### What we need?

- 1.1 System PID
- 1.2 Pumps, Tanks and Heat Exchangers Schedule
- 1.3 Cut sheets for non Flo Fab parts such as Boilers, Chillers, etc...
- 1.4 Skids footprint
- 1.5 Mechanical room footprint
- 1.6 Control sequence details

#### Quality Control

All pumps are factory tested and certified performance test is available when requested by the consultant. Test facilities up to 400 HP with 27,000-gallon test bench with calibrated instruments.

#### Skid Advantages

- Solution for both: New construction and Retrofit.
- Easily add more modules for future expansion.
- One single point of Responsibility / Contact.
- One single submittal for approval vs. individual submittals for each component.
- Financial: Cost reduction. Effectively reduce total cost of ownership for all project stakeholders (Contractor / Consultant Engineer / End User)
- Financial: Space saving due to optimized space utilisation.
- Financial: Time (Cost) saving: Skid built in parallel during building construction, also.
- Financial: Cash flow
- Management: One single invoice / payment for all works
- Financial: Overhead savings, including project management, logistical coordination, insurance expense, etc.
- Financial: No surplus or extra components left after fabrication by contractor.
- Time (Cost) saving: No construction delay due to tested = site plug & play
- Safety: Avoid unpleasant site safety incidents and lost days as we tremendously minimize job site man-hours.

#### PID:

#### **Production:**

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#### Package:





2.2 HC Module will be composed of two pumps, control panel VFD, expansion tank, air separator, chemical pot feeder, and glycol fill system (optional), balancing valves, isolation valves, air vents and drain connections, multifunction valves, suction diffusers or Y strainers, interconnecting black steel schedule 40 piping. All package components are mounted on a structural steel base with lifting lugs.

#### **SPECS** example:

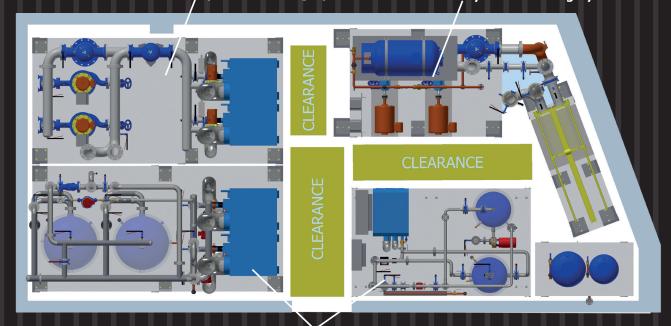
Product	Product Type	Section(s)	Date Submitted	Status	
XRI	Separately Coupled, Horizontally Mounted, In-Line Centrifugal Pumps	232123-HYDRONIC PUMPS	1/5/2016	Submitted	View Details
880RI	Separately Coupled, Vertically Mounted, In-Line Centrifugal Pumps	232123-HYDRONIC PUMPS	1/5/2016	Submitted	View Details
2000	Separately Coupled, Base- Mounted, End-Suction Centrifugal Pumps	232123-HYDRONIC PUMPS	1/5/2016	Submitted	View Details



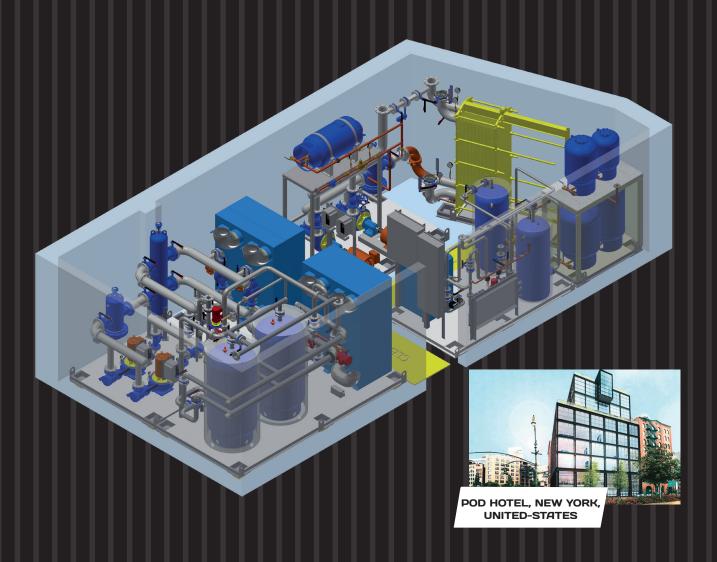
# **Typical Mechanical Room**

Hydronic Heating System Skid

Hydronic Cooling System Skid



**Hot Water Domestic Skids** 



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#### **HYDRONIC ACCESSORIES**

# FLEXIBLE - ST Material: Steel and Stainless Steel Pressure: 475 PSIG at 850°F with water Size Range: 1/2" to 2" Connections: Threaded

# AIR VENT - MV Material: Cast Iron Pressure: MV15 150 PSIG at 345°F MV15 300 PSIG at 400°F Size Range: 3/4" Connections: Threaded





















### **SUBMERSIBLE PUMPS**

SERIES	LB-25, 4 215 &		FS-237, 337 & 437, 475, 675, 4110, 6110, 8110	LBV-40	LBV-75, 215 & 315	LBK-75	LBK-215 & 315
TYPE	Effluent	Pump	Multi-Purpose Drainage Pump		& Sewage x Pump	Effluent	Sewage Non Clog Pump
CAPACITIES	up to 175 (40 m <sup>2</sup>		up to 1400 USGPM (317 m³/hr)		59 USGPM m³/hr)		5 USGPM n³/hr)
HEAD	8 to 7 (2.4 to 2		10 to 163 ft. (3 to 49 m)		59 ft. to 18m)		59 ft. 18m)
SOLID SIZE	3/8 (9 m		3/4" (19 mm)	3/4" (19mm)	2" (50mm)	3/4" (19mm)	2" (50mm)
HORSEPOWER	up to 1	1 HP	up to 30 HP (22 kW)		o 1 HP '5 kW)	up to	1 HP 5 kW)
DRIVES	Air Fi Electrical Explosion	lled Motors	Air Filled Electrical Motors Explosion Proof	Air Electric	Filled cal Motors ion Proof	Air Electrica	Filled al Motors on Proof
APPLICATIONS	Wat	er	Water		Sewage & Liquids	Water	Water & Waste Li- quids
TEMPERATURE	up to 200°F (94°C)		up to 200°F (94 °C)	up to 200°F (94°C)		up to 200°F (94 °C)	
CONSTRUCTION MATERIALS	` '		Cast Iron and Stainless Steel	Cast Iron		Cast Iron	
						Rogas	Surpeix
SERIES	FBV-332	FBV-337 & 437	FGC-015 / FGC-022 FGC-037 / FGC-055	Е	BAF	Sub Acc	cessories
TYPE	Sewa Non Clog		Sewage Grinder Pump	Break A	way Fitting		
CAPACITIES	up to 317 72 m <sup>3</sup>		up to 61 USGPM 14 m³/hr				
HEAD	8 to 6 (2.4 to 2	20 m)	17 to 105ft (5.2 to 32 m)				
SOLID SIZE	2" (50 mm)	3" (80 mm)	3/4" (19 mm)				
HORSEPOWER	up to ! (3.7 k		up to 5 HP (3.7 kW)				
DRIVES	Air Fil Electrical Explosion	Motors Proof	Air Filled Electrical Motor Explosion Proof				
APPLICATIONS	Water, Sewage & Waste Liquids		Water, Sewage & Waste Liquids				
TEMPERATURE	up to 200°	F (94°C)	up to 200°F (94°C)				
CONSTRUCTION MATERIAL	Cast I	ron	Cast Iron	Cas	t Iron		

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#### **DIFFERENT SYSTEMS**

CAPACITIES	up to 30 USGPM (3.1 m³/hr)
HEAD	up to 692 ft. (300 PSI) (211 m)
PRESSURE	up to 300 PSI (2069 kPa)
HORSEPOWER	up to 10 HP (7.46 kW)
DRIVES	Electrical Motors
APPLICATIONS	Light Fuel Oil
TEMPERATURE	up to 150°F (65°C)
CONSTRUCTION MATERIAL	Bronze / Stainless Steel or Cast Iron



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Type: D-FOM
Duplex
Fuel Oil System

CAPACITIES	up to 12000 USGPM (2725 m³/hr)
HEAD	up to 692 ft. (300 PSI) (211 m)
PRESSURE	up to 300 PSI (2069 kPa)
HORSEPOWER	up to 400 HP (298.3 kW)
DRIVES	Electrical Motors
APPLICATIONS	Water / Glycol
TEMPERATURE	up to 300°F (144°C)
CONSTRUCTION MATERIAL	Bronze / Stainless Steel or Cast Iron



CAPACITIES	up to 12000 USGPM (2725 m³/hr)
HEAD	up to 692ft. (300 PSI) (211 m)
PRESSURE	up to 300 PSI (2069 kPa)
HORSEPOWER	up to 400 HP (298.3 kW)
DRIVES	Electrical Motors
APPLICATIONS	Water / Glycol
TEMPERATURE	up to 300°F (144°C)
CONSTRUCTION MATERIAL	Bronze / Stainless Steel or Cast Iron



#### **PACKAGED SYSTEMS**

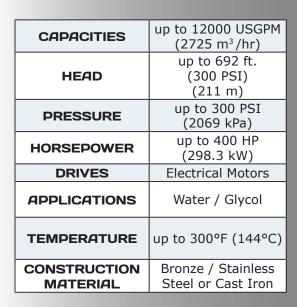
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HEAD	up to 692 ft. (300 PSI) (211 m)
PRESSURE	up to 300 PSI (2069 kPa)
HORSEPOWER	up to 400 HP (298.3 kW)
DRIVES	Electrical Motors
APPLICATIONS	Water / Glycol
TEMPERATURE	up to 300°F (144°C)
CONSTRUCTION MATERIAL	Bronze / Stainless Steel or Cast Iron

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#### **PACKAGED SYSTEMS**



CAPACITIES	up to 12000 USGPM (2725 m³/hr)
HEAD	up to 692 ft. (300PSI) (211 m)
PRESSURE	up to 300 PSI (2069 kPa)
HORSEPOWER	up to 400 HP (298.3 kW)
DRIVES	Electrical Motors
APPLICATIONS	Water / Glycol
TEMPERATURE	up to 300°F (144°C)
CONSTRUCTION MATERIAL	Bronze / Stainless Steel or Cast Iron



Fort Bliss - Texas, USA

Type: HCE
Heating
Cooling with
Enclosure

Michigan, USA



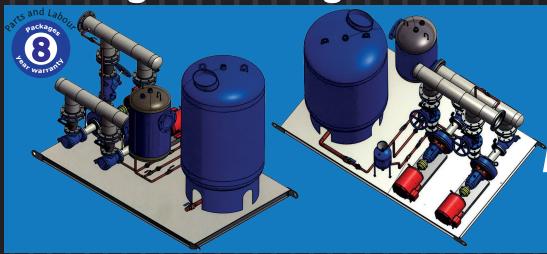


# Booster



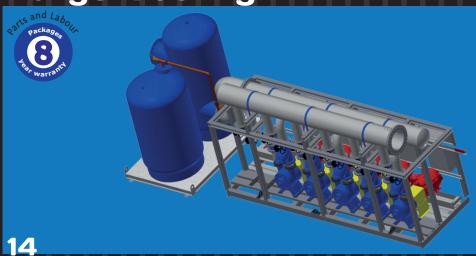


# **Heating or Cooling**





# Large Cooling

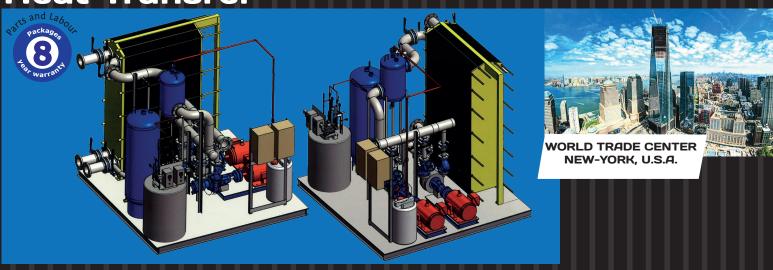




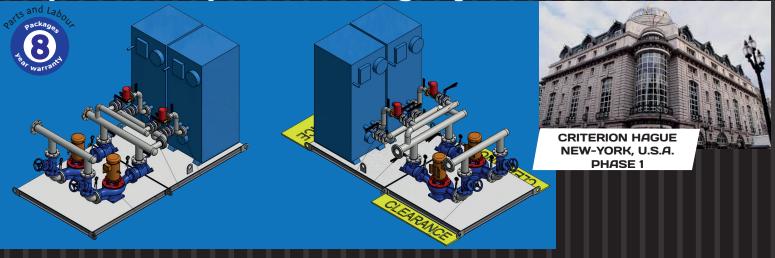
## Proud pump supplier for the New World **Trade Center towers in New York**

#### **AND MORE**

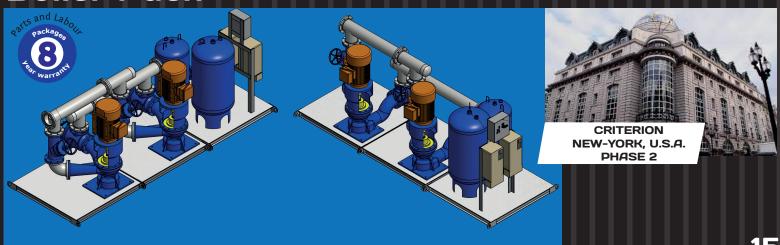
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