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SERIES 500 : (500-2x2-FF-100-280.50-VFD - 500-2x2-FF-180/280.50-VFD - 500-2.5x2.5-FF-150-340.65-VFD) available in both the single and twin version.

Soo E.S.E.S II 150 540.05 VI b) available in both the single and	
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HISTORY

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

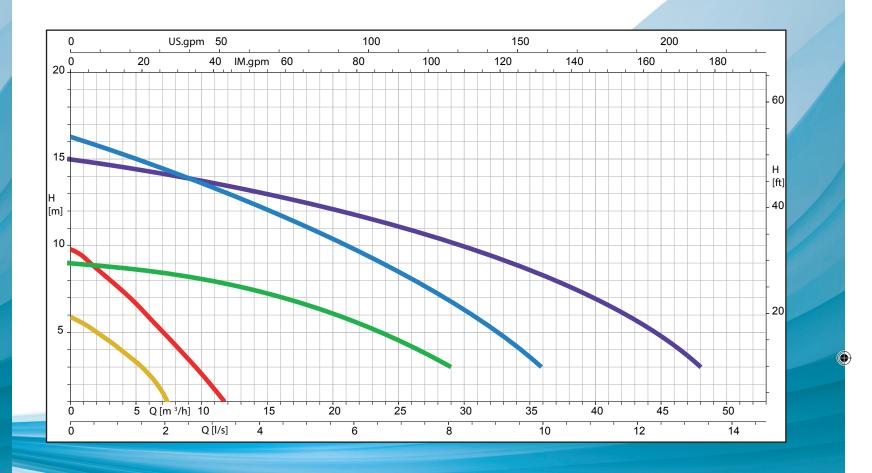
Through the years, Flo Fab has acquired several companies and service entities including : AQUA-PROFAB (ASME Tanks manufacturer), MÉNARD, LÉONARD ÉLECTRIQUE, PMA., Furthermore Flo Fab purchased equipment, fabrication designs and patterns from IDEALCO, a manufacturer of shell and tube type heat exchangers.

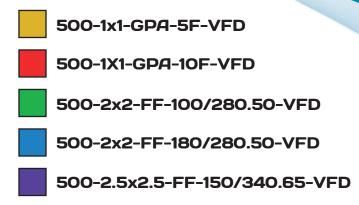
The after sales services, sales, engineering, R&D, production, quality control, accounting and administration departments of all the above companies share the same location.

In December 2014, Marc Gauvreau, son of the founder, acquired all shares of The company. Flo Fab and is constantly investing in new state of the art innovations new product like the XRI series and Prefab Skid for Hydronic Hearing 8 cooling system, pumping systems. This has allowed Flo Fab to retain competent and experienced staff of professionals with varied and specialized abilities that constantly work on improving our existing products and add new engineered solutions that exceeding customer's 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 & pump packages, tanks, heat exchangers & hydronic accessories. This allows each project stakeholders to enjoy economical savings, peace of mind, best value for their investment and optimized total cost of ownership.

FLO FAB **Comparison Curves Between All Pumps Shown**

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2 Go to www.flofab.com in Our Products Section to see the Master Spec - http://www.arcomnet.com/masterspec/



Pumped liquid temperature range: from +36 °F (2°C) to +203 °F (95°C).
Working pressure: 145 psi 10 bar (1000 kPa).
Protection class: IP 44.
Insulation class: F
Installation: with horizontal motor axis.
Standard power input: single-phase 1 x 110-127 V~ 60 Hz.
Pumped liquid: Clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 30%).

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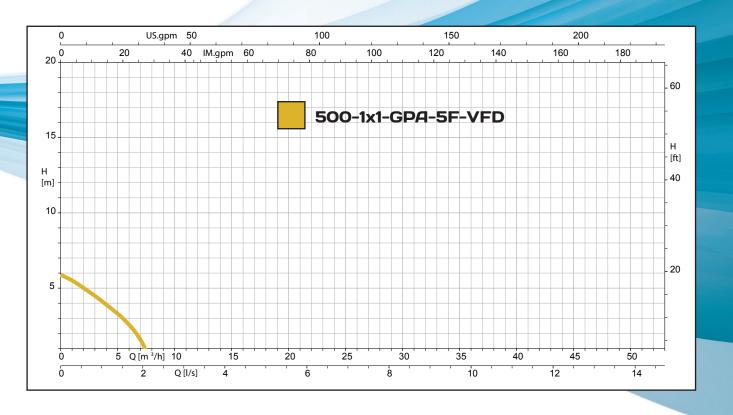
SERIES 500 PUMPS - 500-1x1-GPA-5F-VFD

Specifications

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=	gpm		0		2		4	ļ		б		8		10		1	12
500-1x1-GPA-5F-VFD	(H ft)	1	8.4 ft		15.5 ft	t.	12.8	3 ft.	1	0.3 ft.		8.2 f	ft.	6.2 ft.		4.3	3 ft.
	CEN	TER DIST	TANCE				POWER INPUT		P1 MA	P1 MAX In				MINIMUM SUCTION		'ION P	RESSURE	
	"/mm		FL	FLANGE		60	50 Hz W			A		EEI *	ť°	t° 194		°F/90°C		
	6 ³ / ₂	₃ " / 162	mm	OVAL 2 BOLT		2 BOLT 1 x 11)-127 V~		12 34		0.19 0.50		EEI≤0,23	ft.		1	32.8
		11	12	D				111			-	F1	PA	CKING DIM	ENSIONS	VOLU	JME	WEIGHT
	L	L1	L2	В	B1	B2	Н	H1	H2	A	F	F1	L	В	Н	ft ³		lbs/kg
	6 ³ / ₈ "	3 ²/,"	2 ¹ / ₃ "	4"	3"	1 ¹ / ₃₂ "	4 ³ / ₄ "	2 ⁷ / ₈ "	2"	¹ / ₂ "	3 ⁷ / ₆₄ 3 ¹⁵ / ₆₄	4 ⁹ / ₆₄ "	5 ¹ / ₈	" 7 ¹ / ₂ "	5 ²⁹ / ₃₂ "	0.09	95	5.29/2.4

Performance Curve



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500 Series.indd 5

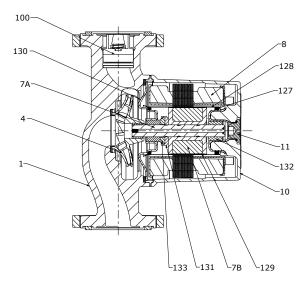
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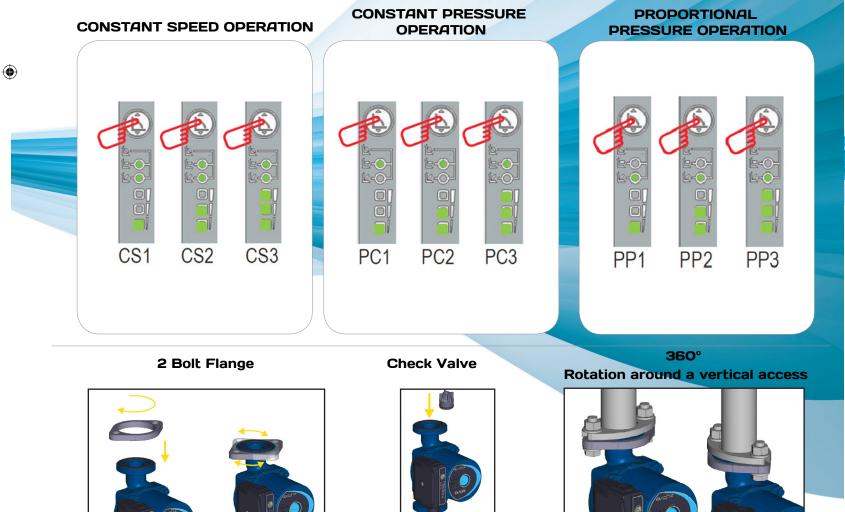
SERIES 500 PUMPS - 500-1x1-GPA-5F-VFD

Materials



Ν.	PARTS	MATERIALS
1	PUMP BODY	CAST IRON
4	IMPELLER	TECHNOPOLYMER ULTEM
7 A	MOTOR SHAFT	CERAMIC
7B	ROTOR	MAGNET
8	STATOR	-
10	MOTOR CASING	DIE-CAST ALUMINUM
11	BREATHER PLUG	BRASS
100	CHECK VALVE	TECHNOPOLYMER PPE
127	SEAL RING	EPDM
128	STATOR LINER	STAINLESS STEEL
129	ROTOR LINER	STAINLESS STEEL
130	CLOSING FLANGE	STAINLESS STEEL
131	THRUST RING SUPPORT	EPDM
132	BUSHINGS	GRAPHITE
133	THRUST RING	CERAMIC

OPERATING MODES



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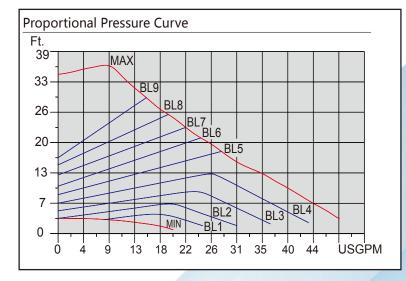


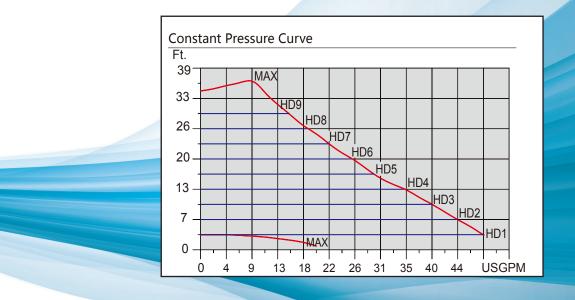


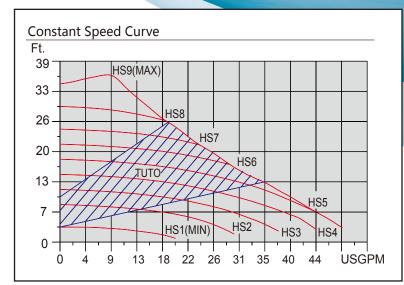
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SERIES 500 PUMPS - 500-1X1-GPA-10F-VFD

Performance Curves







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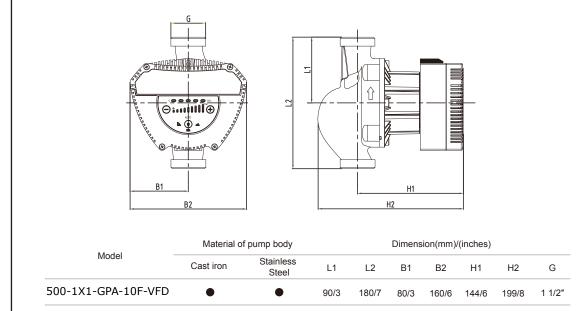
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Dimensions and Weight

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Product Specifications

	Model	Max. Flow		Pov	ver(W)	Current	t(A)	_ Volatge/Frequency	Weight.(kg)/(lb)		
	Model	(m³/h)	(m)	Min.	Max.	Min.	Max.	(V/Hz)	G.W.	N.W.	
	500-1X1-GPA-10F-VFD	7	10	10	185	0.1	1.25	110/1" 230/1"	4.5/10	5/11	
								50/60Hz			
-											

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* Available input when the asocciated operation is activated

An intuitive and functional user interface ensures ease of calibration for all users. The easy to read OLED display on the control panel, three easy navigation keys, a drop down menu in line with the latest trends in the field of mobile telephony and a very wide range of functions mean that FLO FAB circulators are truly revolutionary products. A reliable and robust construction combined with a modern and innovative design completes the product also from an aesthetic point of view.

Product Specifications

Operating range: 3 to 75,6 m3/h with head up to 18 meters; **Liquid temperature range:** from -10 °C a +110 °C **Pumped liquid:** clean, free of solid contaminants and mineral oils, non-viscous, chemically neutral, close to the properties of water. (max. glycol contents 30%). **Maximum working pressure:** 16 bar (1600 kPa) **Standard flanging:** DN 32, DN 40, DN 50, DN 65, PN 6 / PN 10 / PN 16 (4 slots),DN 80 and DN 100, PN 6 (4 slots) **Maximum ambient temperature:** +40°C. **Minimum suction pressure:** the values are given in the relevant tables. **Special executions on request:** DN 80 , DN 100 PN 10 / PN 16 (8 holes) **Accessories (Counterflanges):** PN 10 DN 32 - DN 40 - DN 50 - DN 65 PN 6 DN 80 - DN 100 **Electromagnetic compatibility:** FLO FAB circulators comply with standard EN (1800 - 2 in category C2 in terms of electromagnetic sementibility.

61800-3, in category C2, in terms of electromagnetic compatibility. Electromagnetic emissions - Residential environment (containment measures may be necessary in certain cases). Conducted emissions - Residential environment (containment measures may be necessary in certain cases).

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SERIES 500 PUMPS

Product Specifications

Applications

FLO FAB electronic circulators can be used in heating, ventilation and air conditioning systems for residential and commercial buildings including:

- Large residential buildings Condominiums and apartment blocks Homes
- Clinics and Hospitals Schools Office buildings Real Estate Assets

All models are available in both the single and twin version.

Made with bronze pump body for secondary hot water circulation. Available in single version with 1 $\frac{1}{2}$ " threaded connection as well as DN 32 and DN 40 flanged connection.

Compatible for external signal 0-10 or PWM and for communication between devices Modbus (Lonbus with dedicated communication module).

Applications in Heating

The heating required in various applications changes significantly during the day/night due to the ambient temperature and changing occupancy levels. This situation is compounded by the different requirements of the various rooms and opening or closing of the various circuit branches in complex installations. Electronically controlled wet rotor pumps constantly ensure, in almost all correctly sized installations, sufficient power and, simultaneously, lower noise

emissions, greater comfort and a significant reduction in running costs.

Applications in Air Conditioning

Unlike conventional electronic pumps, FLO FAB electronic circulators can also be used in air conditioning systems where the temperature of the liquid pumped is lower than the ambient temperature. In these conditions condensate tends to form on the outer surface of the circulator although this does not impair proper operation of either the electronic or mechanical sections. The unit is designed and sized in such a way as to allow the condensate to drain without damaging the construction components.

Application for Hot Water Circulation

The Bronze version pump with bronze body has been developed specifically for the circulation of secondary hot water. The constant temperature operating mode controls the water temperature in the circulation pipe without needing to use thermostatic valves, thus maintaining required water temperature for user.

Construction Features

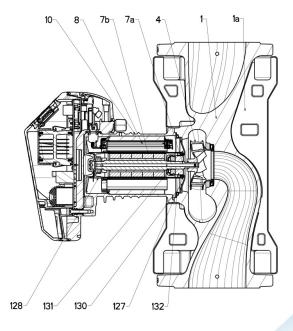
Enbloc circulator composed of cast iron hydraulic section and wet rotor synchronous motor. Motor casing in aluminum. Scroll type pump body featuring high hydraulic efficiency thanks to highly precise design and smooth internal surfaces. Flanged suction and discharge ports equipped with threaded fittings for pressure and temperature readings. The single version is supplied as standard with insulating covers to avoid heat loss and/or the formation of condensate on the pump body. Insulation of the twin version is to be provided by the installer. Use special caution to avoid obstructing the condensate drainage labyrinths in order to avoid impairing operation. Impeller in technopolymer, motor shaft in hardened stainless steel held in ceramic bearings lubricated by the pumping medium. Rotor protective jacket in stainless steel. Ceramic thrust ring, ethylene propylene seals and stator jacket in carbon fiber composite. Permanent magnet synchronous motor. The twin version features an automatic swing check valve incorporated in the discharge port to avoid water recirculating through the unit when it is not running; moreover, a blank flange is supplied as standard to allow either of the two motors to be removed for servicing. Standard execution of the pump body is PN 16. Both the DN 80 and the DN 100 PN 16 (8 holes) versions can be supplied on request

Circulator protection rate: IP X4D Insulation Class: F Standard voltage: single-phase 220/240 V , 50/60Hz Sound pressure level \leq 45 dB(A) This product complies with European standards EN 61800-3 – EN 60335-1 – EN 60335-2-5151



Materials

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Ν.	PARTS	MATERIALS
1	PUMP BODY	CAST IRON 250 UNI ISO 185 - CTF BRONZE (BRONZE VERSION)
4	IMPELLER	TECHNOPOLYMER
7 A	MOTOR SHAFT	STAINLESS STEEL
7B	ROTOR	STAINLESS JACKET
8	STATOR	-
10	MOTOR CASING	DIE-CAST ALUMINUM
127	SEAL RING	RUBBER EPDM
128	STATOR SLEEVE	COMPOSITE WITH CARBON FIBRE
130	CLOSING FLANGE	STAINLESS STEEL
131	THRUST RING SUPPORT	STAINLESS STEEL
132	BUSHINGS	ALUMINA

1 Go to www.flofab.com in Our Products Section to see the Master Spec - http://www.arcomnet.com/masterspec/

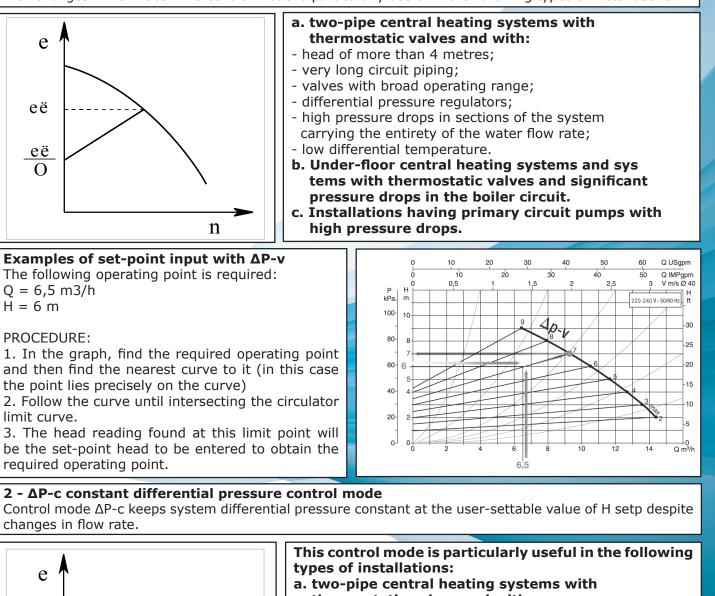
• Operating Modes

All functions listed below can be consulted by all users (irrespective of the level of expertise) simply by scrolling through the menu. Calibration and parameter editing are protected and reserved for expert users. The FLO FAB range is factory-set to the control mode with differential pressure proportional to the curve that guarantees the best energy efficiency index (EEI).

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1 - ΔP-v proportional differential pressure control mode

Control mode ΔP -v provides linear variation of the head delivery value from Hsetp to Hsetp/2 in accordance with changes in flow rate. This control mode is particularly useful in the following types of installations:



thermostatic valves and with:

- head of less than 2 metres;
- natural circulation;
 - low pressure drops in sections of the system carrying the entirety of the water flow rate;
 - high differential temperature (central heating).
 - b. Under-floor central heating systems with ther mostatic valves
 - c. Single-pipe central heating systems with ther mostatic valves and calibration valves
 d. Installations having primary circuit pumps with log
- d. Installations having primary circuit pumps with low pressure drops.

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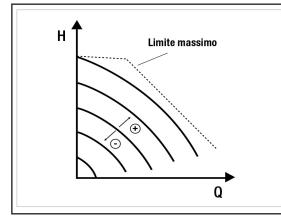
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Operating Modes

3 - Constant curve control mode

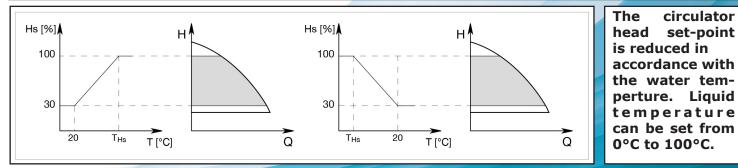


This control setting shows the curve of the circulator at constant speed. The operation curve is selected by setting the rotation speed on a percentage factor. Reaching 100% indicates the curve maximum. The speed of rotation may depend on power restriction and difference in pressure subject to model of circulator. The rotation speed can be set from the display or from an external signal 0-10V or PWM using the multifunction module.

The control setting is ideal for heating and air conditioning applications that require constant flow.

4 - Constant and proportional differential pressure control mode depending on water temperature.

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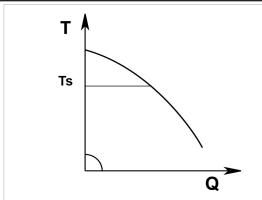


This control mode is particularly useful in the following types of installations:

a. - in variable flow rate installations (two-pipe central heating systems), in which a further reduction of circulator performance is provided in accordance with lowering of the circulating liquid temperature, in the presence of reduced heating demand.

b. - in constant flow rate installations (single-pipe and under-floor central heating systems), where the performance of the circulator can be adjusted only by activating the temperature influence function. This function is set on SERIES 500 control panel.

5 - ΔT-c constant differential temperature control mode *



 $\Delta T\text{-}c$ control mode keeps the differential temperature of the pumped liquid constant, changing the flow rate to the user-settable value Tsetp.

This control mode is particularly useful in the following types of installations:

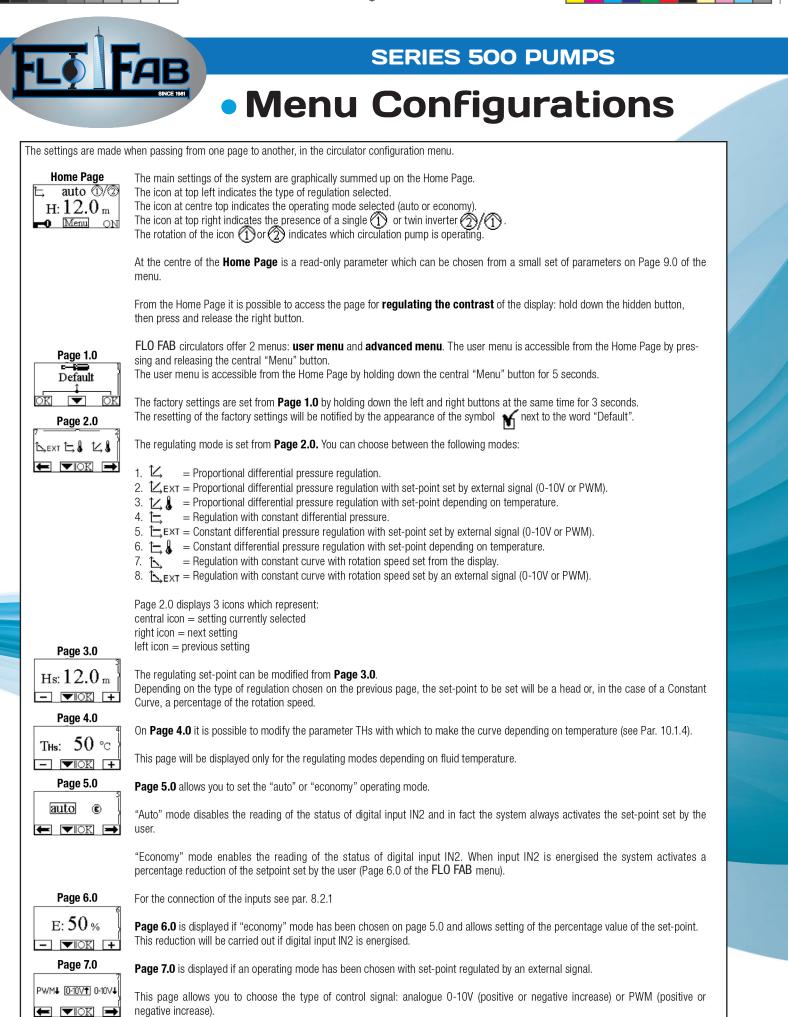
- Under-floor central heating systems
- Installations having circuit pumps with heat exchanger
- Solar energy systems with storage tanks
- Swimming pool heating systems with solar panels

* Operation mode in development progress

Economy Function

The economy function can be set directly on the control panel, by setting a reduction value (f.rid) the maximum value of which is 50%. In all settings listed above the Hset value must be replaced with a Hset x f.rid value.

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SERIES 500 PUMPS **Menu Configurations** Page 8.0 If a twin system is used (see Par. 8.3) on page 8.0 you can set one of the 3 possible twin operation modes: 1/2 Alternate every 24h: The 2 circulators alternate in regulation every 24 operating hours. If one of the 2 malfunctions, the 1+2 1)+2 other takes over regulation. 🝘+🎧 Simultaneous: The 2 circulators work at the same time and at the same speed. This mode is useful when a flow rate is required that cannot be provided by a single pump. Main/Reserve: Regulation is always performed by the same circulator (Main), the other (Reserve) takes over only if there is a malfunction of the Main one. If the twin communication cable is disconnected the systems automatically figure as Single, working completely independent of each other. Page 9.0 On **page 9.0** it is possible to choose the parameter to be displayed on the Home Page: HQSETPhT1 H : Measured head expressed in metres H: 12.0 m O : Estimated flow rate expressed in m3/h S : Rotation speed expressed in revs per minute (rpm) E : Head requested by external signal 0-10V or PWM, if active P : Power distributed expressed in kW h : Operating hours T : Liquid temperature measured with the sensor fitted on board Page 10.0 T1 : Liquid temperature measured with an external sensor DEU ITA ENG On page 10.0 you can choose the language in which to display the messages. Page 11.0 On page 11.0 you can display the alarms log by pressing the right button. Ē If the system finds any faults it records them permanently in the alarms log (up to a maximum of 15 alarms). For each recorded alarm \mathbf{T} \rightarrow a page composed of 3 parts is displayed: an alphanumeric code that identifies the type of fault, a symbol that illustrates the fault in graphic mode, and a message in the language selected on Page 10.0, giving a brief description of the fault. By pressing the right button you can scroll through all the pages of the log. 2 questions appear at the end of the log: Storico Allarmi 1. "Reset Alarms?" e15 愛 Pressing OK (left button) resets any alarms still present in the system. Pompa bloccata 2. "Delete Alarms Log?" ▼ ⇒ Pressing OK (left button) deletes the alarms memorised in the log. On page 12.0 you can set the system status in ON, OFF or controlled by a remote signal EXT (digital input IN1). Page 12.0 If ON is selected the pump is always on. ON OFF EXT If OFF is selected the pump is always off. If EXT is selected, reading of the status of digital input IN1 is enabled. When input IN1 is energised the system goes ON and the OK \rightarrow $\mathbf{\nabla}$ pump is started (on the Home Page the messages "EXT" and "ON" appear alternately at bottom right); when input IN1 is not energised the system goes OFF and the pump goes off (on the Home Page the messages "EXT" and "OFF" appear alternately at bottom right).

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For the connection of the inputs see par. 8.2.1

SERIES 500 PUMPS

Description of Symbols Displayable Quantities

Symbol	Description				
HQSETPhT1	Shows parameters				
Н	Head in metres				
Q	Flow rate in m ³ /h $Q < Qmin$ when Q is less than 30% of Q_{max} only when the pump is switched off.				
S	peed in revs/minute (rpm)				
Е	alog input 0-10V or PWM				
Т	Liquid temperature in °C – input D				
Р	Power in kW				
h	/orking hours				
T1	quid temperature in °C – input C (available whit additional temperature sensor)				
THs	aximum liquid temperature in °C depending on regulation				

CIRCULATOR STATUS

FLO FAB

Symbol	Description
\bigcirc	Single circulator or nr. 1
\bigcirc	Circulator nr. 2
@/①	Alternate twin circulators
②+ ①	Principal/reserve twin circulators (24 hours one motor / 24 hours the other motor)
②+①	Simultaneous twin circulators
ON	Circulator on
OFF	Circulator off
EXT	Circulator controlled by remote signal (ref. terminals 1-2)

TYPE OF OPERATION

Symbol	Description
auto	Auto function
Ē	Economy function

TYPES OF CONTROL MODE

Symbol	Description			
î,	Δ p-c control mode (constant pressure)			
ît, 🌡	È J Δp-c control mode depending on temperature			
ÎZ,	Δ p-v control mode (variable pressure)			
14, 🌡	Δ p-v control mode depending on temperature			
Γ <u></u>	Servomotor control mode with speed set on the display			
10V	Servomotor control mode with speed set by remote signal 0-10V			
ΔT-c	Δ T-c ontrol mode (constant temperature)			

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Description of Symbols Displayable Quantities

Symbol			Description
		0	Control panel blocked
	▼∥OK	▲IOK	Multifunction key for confirming parameters and scrolling pages

FACTORY SETTINGS

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Parameter	Value
Control mode	Display of parameters
Hs (Differential Pressure Set-point)	Ĵ∠, _{Δp-ν}
Fs (Frequency Set-point)	auto
Set-point percentage reduction	50 %
Twin operating mode	2/1 = Alternating every 24h
Pump start control	EXT (from remote signal on input I1)

TYPES OF ALARMS AND HOW TO DEAL WITH THEM

Alarm code	Alarm symbol	Alarm description						
e0 - e16; e21	⋴─₩₩₽	Internal Error						
e17 - e19	⊕⊶⇔⊝	Short Circuit						
e20	$\bigcirc \bigcirc_{\max}$	Voltage Error						
e22 - e31	⊶	Internal Error						
e32 - e35		Electronic system excess temperature						
e37	() min	Low voltage						
e38	$\bigcirc \bigcirc_{\max}$	High voltage						
e39 - e40	<u> </u>	Pump blocked						
e43 - e44 - e45 - e54	Ó Ó	Pressure Sensor						
e46	Pump Disconnected							
e42 ട		Dry operation						
e56		Motor excess temperature (motor protector trips)						
e57		Frequency of PWM external signal less than 100 Hz						
e58		Frequency of PWM external signal greater than 5 kHz						

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SERIES 500 PUMPS

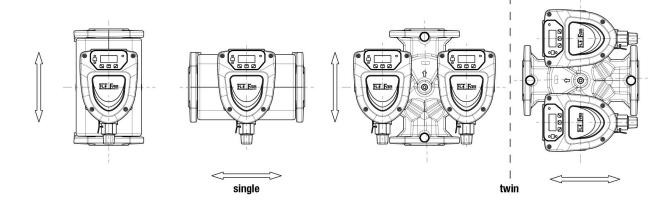
Troubleshooting

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		Error co	ndition
Display indication		Description	Reset sequence
e0 - E16	⊶	Internal error	 Switch off system power. Wait for the warning lights on the control panel to go off, then power the system again. If the error persists, change the circulator.
e38 Simax High m		Low mains voltage (LP)	 Switch off system power. Wait for the warning lights on the control panel to go off, then power the system again. Check that the mains voltage is correct, if necessary reset it at the plate values.
		High mains voltage (HP)	 Switch off system power. Wait for the warning lights on the control panel to go off, then power the system again. Check that the mains voltage is correct, if necessary reset it at the plate values.
		Critical overheating of electronic parts	 Switch off system power. Wait for the warning lights on the control panel to go off. Check that the system ventilation ducts are not blocked and that the environment temperature of the premises is correct.
e43-e45-e54		Sensor signal absent	- Check sensor connection - If the sensor is faulty, replace it
e39-e40 🔆 Prote		Protection against overcurrent	 Check that the circulator turns freely Check that any antifreeze added does not exceed the maximum percentage of 30%.
e21-e30	• O Omax	Voltage Error	 Switch off system power. Wait for the warning lights on the control panel to go off, then power the system again. Check that the mains voltage is correct, if necessary reset it at the plate values.
e31		Twin communication absent	 Check that the twin communication cable is intact. Check that both circulators are powered.
e42	ಷ್	Dry operation	- Put the system under pressure.
e56	Motor excess		Switch off system power.Wait for the motor to cool downPower the system again
e57-e58		f < 100 Hz ; f > 5 kHz	- Check that the PWM external signal is operating and connected as specified.

INSTALLATION:

HEATING AND CONDITIONING



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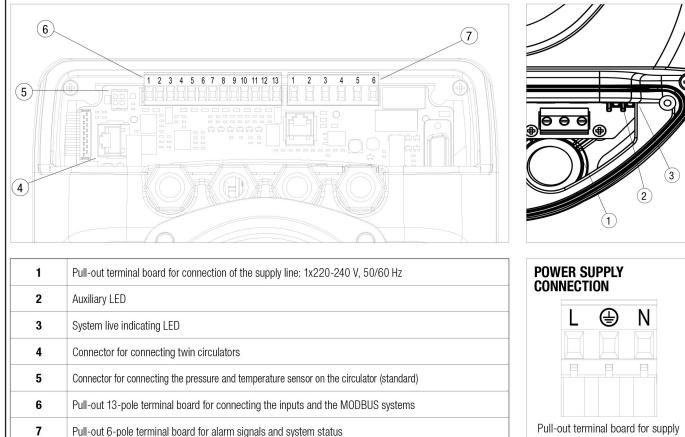
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ONLY HEATING



Connection Diagram

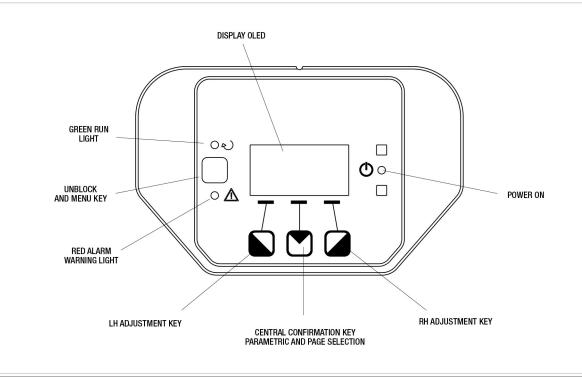
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Pull-out terminal board for supply

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CONTROL PANEL DESCRIPTION

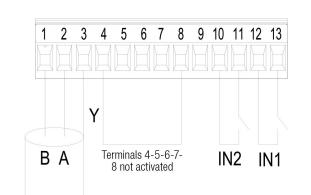


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SERIES 500 PUMPS

Digital Inputs

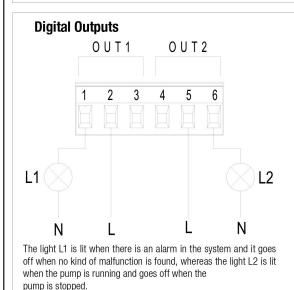
Digital inputs



Input	Terminal No.	Type of contact	Associated function					
IN1	12	Clean	EXT: If it is activated from the control panel will be possible to command the switching of					
	13	contact	and off of the pump in remote mode.					
IN2	10	Clean	Economy: If it is activated from the control panel it will be possible to activate the set-					
	11	contact	point reduction function in remote mode.					

If the **EXT** and **Economy** functions have been activated from the control panel, the system will behave as follows:

IN1	IN2	System status
Open	Open	Pump stopped
Open	Closed	Pump stopped
Closed	Open	Pump running with set-point set by the user
Closed	Closed	Pump running with reduced set-point



Туре Output Terminal No. Associated function of contact 1 NC OUT1 2 COM Presence/Absence of alarms in the system NO 3 NC 4 OUT2 5 COM Pump running/Pump stopped 6 NO

The outputs OUT1 and OUT2 are available on the pull-out 6-pole terminal board which also shows the type of contact (NC = Normally Closed, COM = Common, NO = Normally Open).

Characteristics of t	the output contacts
Max. bearable voltage [V]	250
Max. bearable current [A]	5 - If resistive load 2,5 - If inductive load
Max. accepted cable section [mm ²]	1,5

Go to www.flofab.com in Our Products Section to see the Master Spec - http://www.arcomnet.com/masterspec/20

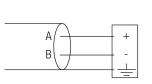
MODBUS

 \mbox{FLO} FAB circulators provide serial communication through an input RS-485. The communication is realised according to MODBUS specifications.

With MODBUS it is possible to set the circulator operating parameters in remote mode such as, for example, the desired differential pressure, the influence of temperature, the regulating mode, etc. At the same time the circulator can provide important information on the system status.

Modbus Terminals	Terminal No.	Description
A	2	Terminal not inverted (+)
В	1	Terminal inverted (-)
Y	3	GND

LONBUS

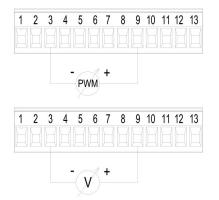


possible to make the circulator available also to a LonWorks network, and therefore its status and the possibility of varying the circulator parameters, reading or modifying the registers as described in the Manual "Instructions for use of the Modbus Protocol" available at the address "http://www.dabpumps.it/evoplus".

With some modules on the market it is

Gateway/FLO FAB connection

ANALOGUE INPUT AND PWM



The wiring diagram of the external signals 0-10V and PWM. The 2 signals share the same terminals on the terminal board, so they are mutually exclusive.

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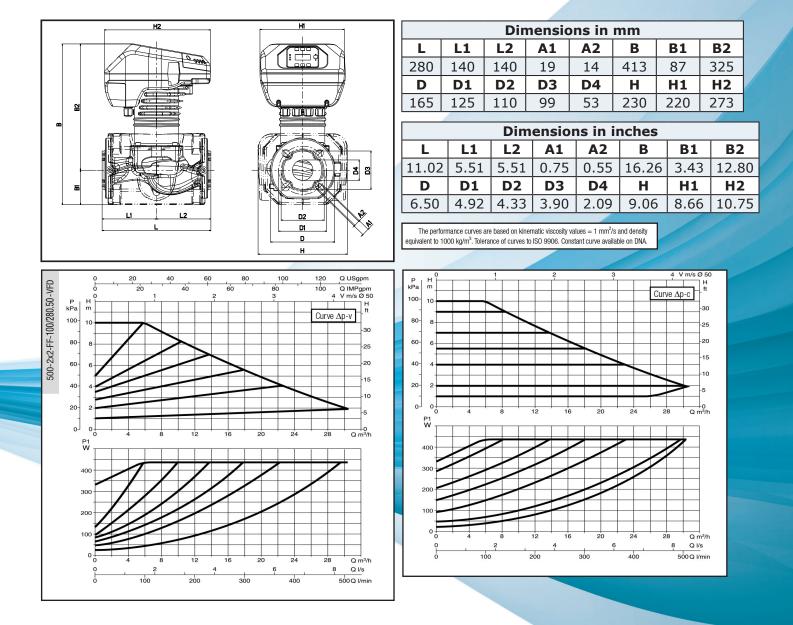
Model 100/280.50 - VFD

Model	Center Distance	Counterflanges on request	Voltage 50/60Hz	P1 Max W	In A	EEI	Minimum head pressure			
500-2x2-FF-100/280.50-VFD	280 mm	DN 50 PN10	220/240V	430	2.1	EEI≤0.20	t°	90°	100°	22kg
	11.02 in			430	2.1	EE150.20	m.c.a.	20	25	48.5lbs

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Liquid temperature range: da -10°C a +110°C - Maximum operating pressure: 16 bar (1600 kPa)

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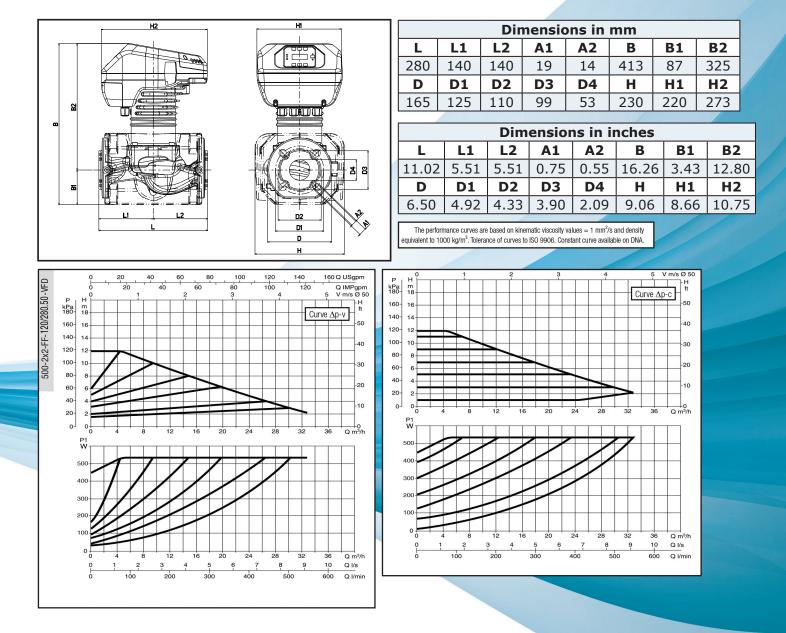
Model 180/280.50 - VFD

Model	Center Distance	Counterflanges on request	Voltage 50/60Hz	P1 Max W	In A	EEI	Minimum head pressure			Weight
500-2x2-FF-180/280.50-VFD	280 mm	DN 50 PN10	220/240V	750	3.45	EEI≤0.19	t°	90°	100°	22.8kg
	11.02 in			750	3.45		m.c.a.	20	25	50.27lbs

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Liquid temperature range: da -10°C a +110°C - Maximum operating pressure: 16 bar (1600 kPa)

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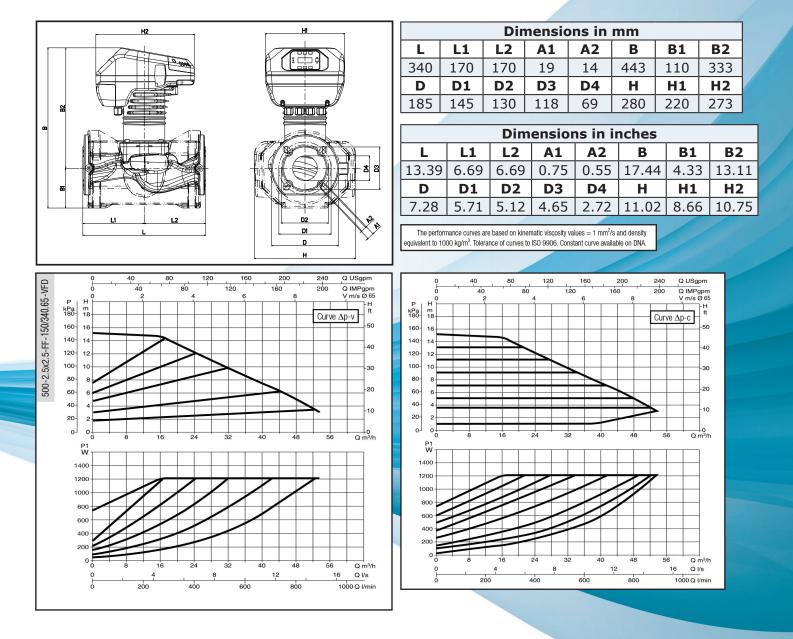
Model 150/340.65 - VFD

Model	Center Distance	Counterflanges on request	Voltage 50/60Hz	P1 Max W	In A	EEI	Minimum head pressure						Weight
500-2.5x2.5-FF-150/340.65-VFD	340 mm	DN 65 PN10	220/240V	1210 5.5		EEI≤0.18	t°	90°	100°	27kg			
	13.39 in			1210	5.5	CCI>0.10	m.c.a.	20	25	59.52lbs			

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Liquid temperature range: da -10°C a +110°C - Maximum operating pressure: 16 bar (1600 kPa)

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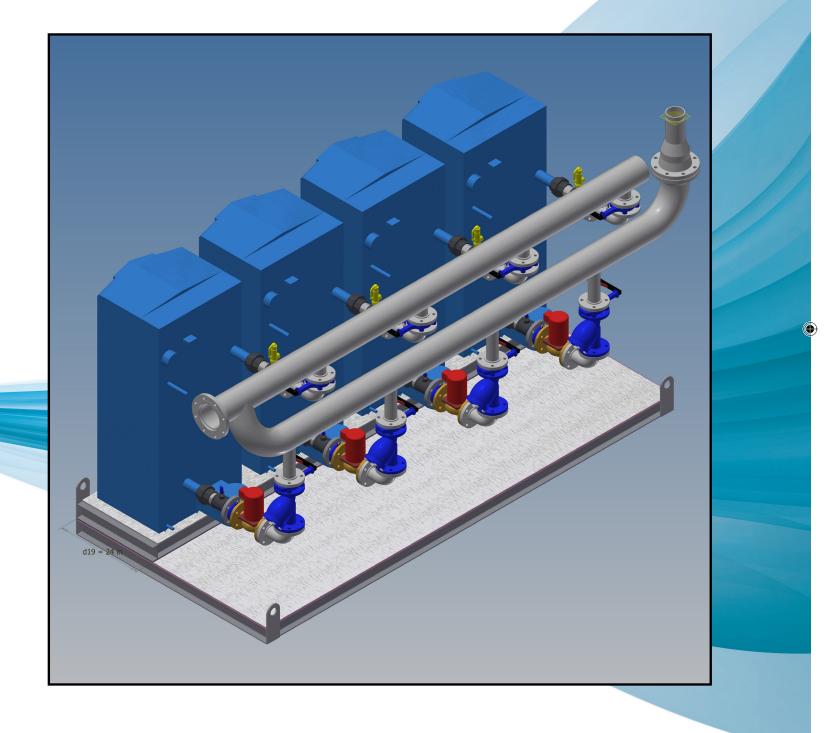
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Package It

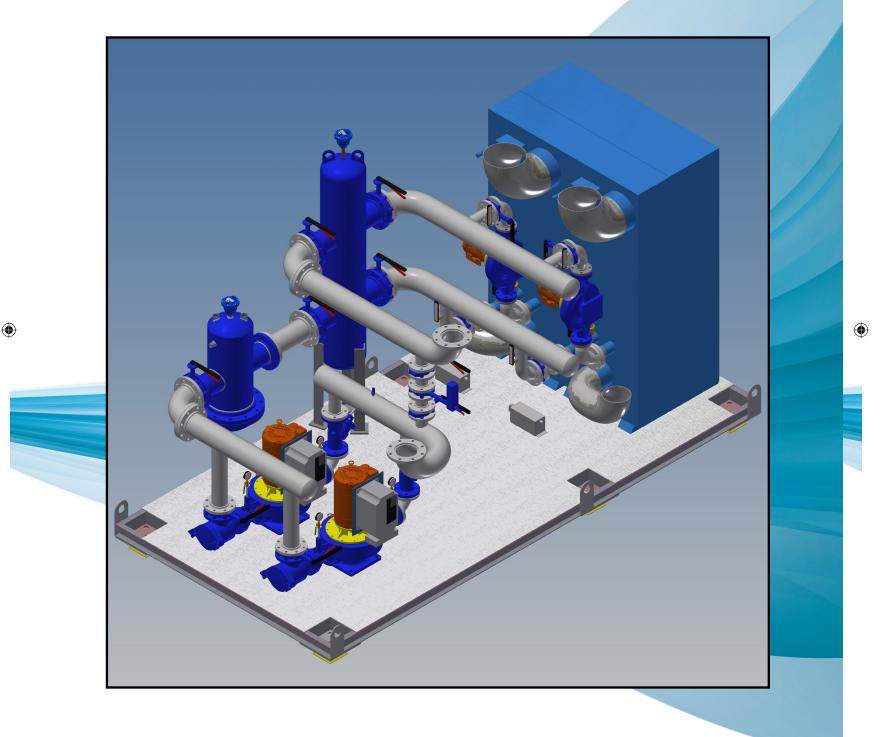
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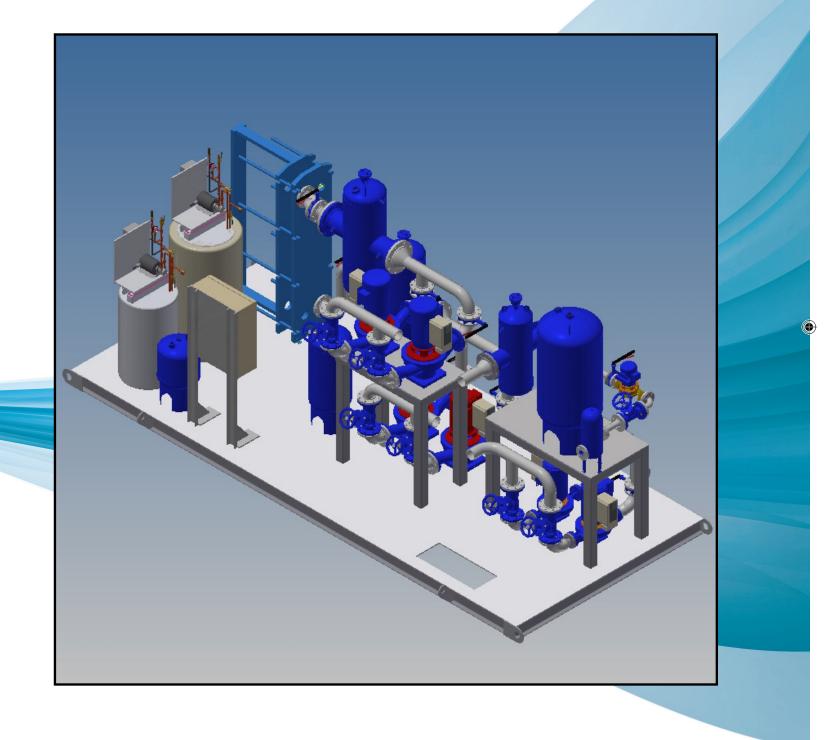
Other System





Other System

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