

FLUX BOOSTING SYSTEM



Aqua Pro Pump Systems
a Tomiko Inc. Company

HOW IT WORKS

When the pressure available is insufficient it is necessary to install a boosting system. FLUX BOOSTING SYSTEM starts and stops according to the user's needs.

It replaces the traditional pressure switch/tank systems, offering more advantages such as:

- Easy installations.
- Reduced dimensions.
- Constant flow.
- Low maintenance required.
- No need to install pressure tanks.
- Pump protection against running dry, with automatic reset.

The FLUX BOOSTING SYSTEM monitors the flow rate of the water running thru and protects the pump against dangerous working conditions like running dry.

When a tap is opened and the water demand exceeds the minimum starting flow, FLUX starts the pump and keeps it running, delivering constant flow, even when capacity request is low. FLUX BOOSTING SYSTEMS stops the pump when the demand is below 0.5 gal/min. In case of a leak on the system (less than 0.5 gal/min) FLUX BOOSTING SYSTEM will never start the pump avoiding useless power consumption.



Pressure Tank



Pressure Switch

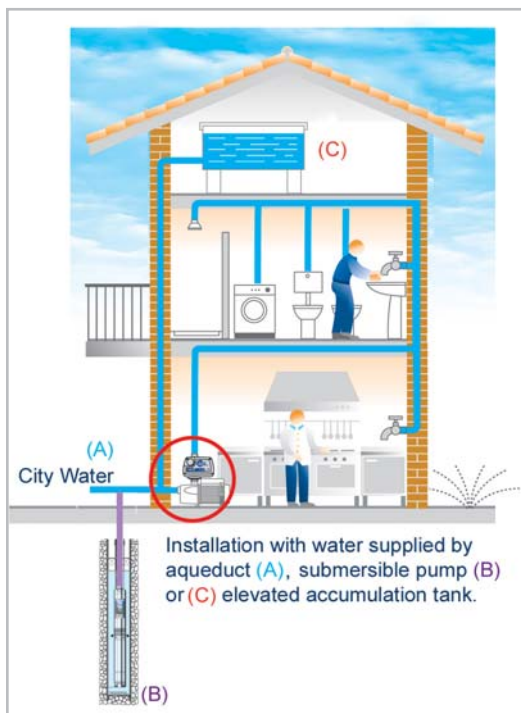


Float Switch



SAVE:

- ✓ Money
- ✓ Space
- ✓ Installation Time



APPLICATIONS

FLUX BOOSTING SYSTEM is made up of a water pump and an electronic pump controller which is used for:

Residential irrigation applications when is necessary to boost the pressure coming from the city water or a well pump.

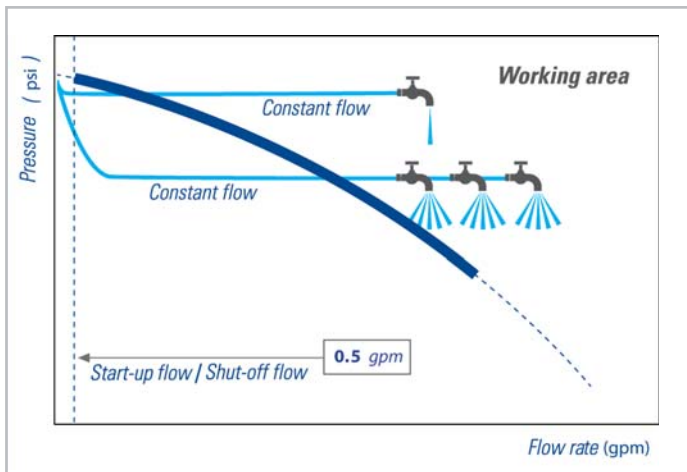
FLUX BOOSTING SYSTEM



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TECHNICAL SPECIFICATIONS

- Voltage: 230 Volt or 115 Volt
- FLUX protection: Water Resistant
- Water pump protection: Outdoor Use
- Dimensions: depends on the system selected. (For exact dimensions see pages 5-6)
- Working temperature: 32° -122° F.
- Connections: 1" standard NPT.
- Maximum working pressure: 140 psi.
- Minimum flow rate: 0.5 gpm.



**Flux Boosting System
must be installed
with a pressure
reducer valve.
(see manual)**



FEATURES AND BENEFITS

- FLUX's body made of technopolymer with a built-in check valve.
- FLUX BOOSTING SYSTEM comes available with different pumps to boost in coming pressures up to 70 psi higher (for selection chart see pages 5-6)
- Friction losses extremely low: this is why it is possible to use FLUX BOOSTING SYSTEM with capacity up to 50 gpm.
- The special valve guarantees the pump continuous operation.
- Circuit board: easy to replace and available in 115V and 230V.





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SELECTION CHART

APPLICATIONS FOR MODEL FBS3CR 20G30P

PUMP MODEL: **3CR 05** PUMP CONTROLLER: **FLUX** WATER SUPPLY: **CITY WATER OR SUBMERSIBLE PUMP**

	INLET PRESSURE (PSI) FROM CITY OR SUBMERSIBLE PUMP				
	20	30	40	50	
FLOW RATE (GPM)	PRESSURE (PSI) IN THE DISCHARGE OF THE PUMP				APPLICATION
5	65	75	85	95	1 - 2 Bathroom home
10	60	70	80	90	3 - 4 Bathroom home
15	55	65	75	85	5 - 6 Bathroom home
20	45	55	65	75	7 - 8 Bathroom home

APPLICATIONS FOR MODEL FBSJCR 20G40P

PUMP MODEL: **JCR 10** PUMP CONTROLLER: **FLUX** WATER SUPPLY: **CITY WATER OR SUBMERSIBLE PUMP**

	INLET PRESSURE (PSI) FROM CITY OR SUBMERSIBLE PUMP				
	20	30	40	50	
FLOW RATE (GPM)	PRESSURE (PSI) IN THE DISCHARGE OF THE PUMP				APPLICATION
5	86	96	106	116	1 - 2 Bathroom home
10	73	83	93	103	3 - 4 Bathroom home
15	65	75	85	95	5 - 6 Bathroom home

APPLICATIONS FOR MODEL FBSAR 40G30P

PUMP MODEL: **AR 10** | PUMP CONTROLLER: **FLUX** | WATER SUPPLY: **CITY WATER OR SUBMERSIBLE PUMP**

	INLET PRESSURE (PSI) FROM CITY OR SUBMERSIBLE PUMP				
	20	30	40	50	
FLOW RATE (GPM)	PRESSURE (PSI) IN THE DISCHARGE OF THE PUMP				APPLICATION
10	62	72	82	92	3 - 4 Bathroom home
20	60	70	80	90	Up to 7 Bathroom home
30	55	65	75	85	Large homes long runs of plumbing
40	48	58	68	78	Large homes or large irrigation systems

- All calculations done based on 3gpm per outlet.
- All calculations done based on 1 floor/level home.
- It is recommended for residential applications, 75 psi maximum discharge pressure in order to prevent damage to piping.

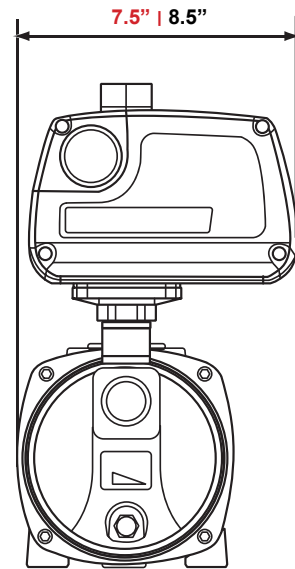
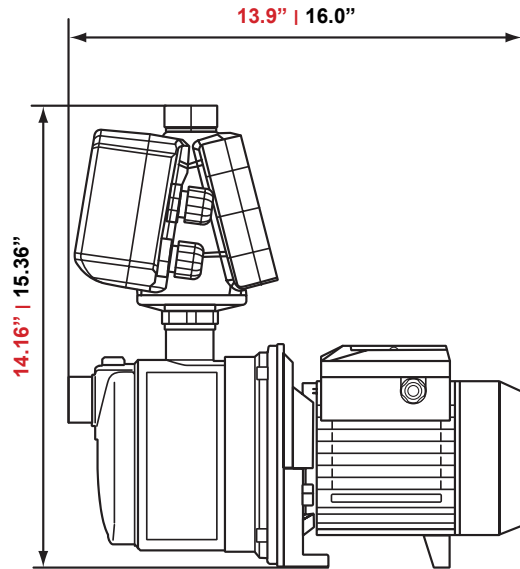
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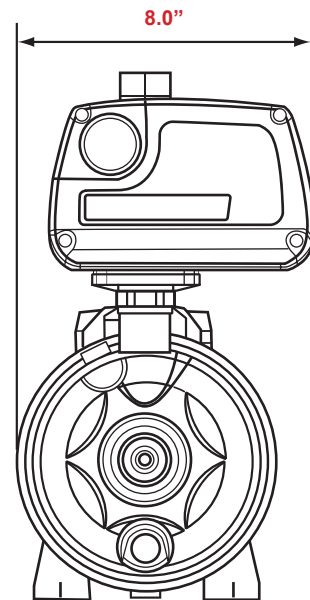
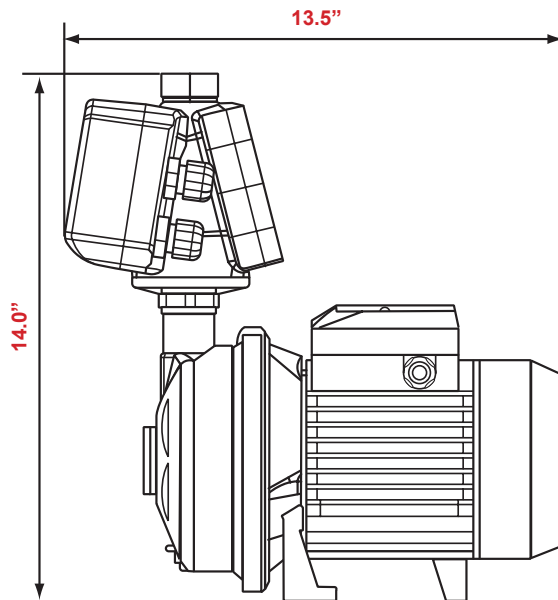
DIMENSIONS

FBS3CR 20G30P
FBSJCR 20G40P



WEIGHT=
21 lbs | 28 lbs

FBSAR 40G30P



WEIGHT= 24 lbs

Before installing the pump, be sure that the maximum flow of the water meter will not be exceeded (see reference).

REFERENCE	
METER SIZE	MAX FLOW (GPM)
5/8"	12
3/4"	30
1"	40

Flux Boosting System must be installed with a pressure reducer valve.
(see manual)

PRESFLO WELL SYSTEM



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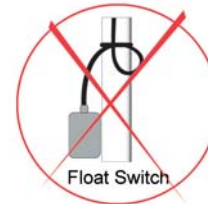
HOW IT WORKS

The PRESFLO WELL SYSTEM starts and stops the water pump according to the user's needs. It replaces the traditional pressure system of a tank, pressure switch and float switch, offering more advantages such as:

- Easy installations.
- Reduced dimensions.
- Constant flow.
- No maintenance required.
- No need to install pressure tanks.
- Pump protection against running dry with automatic reset.

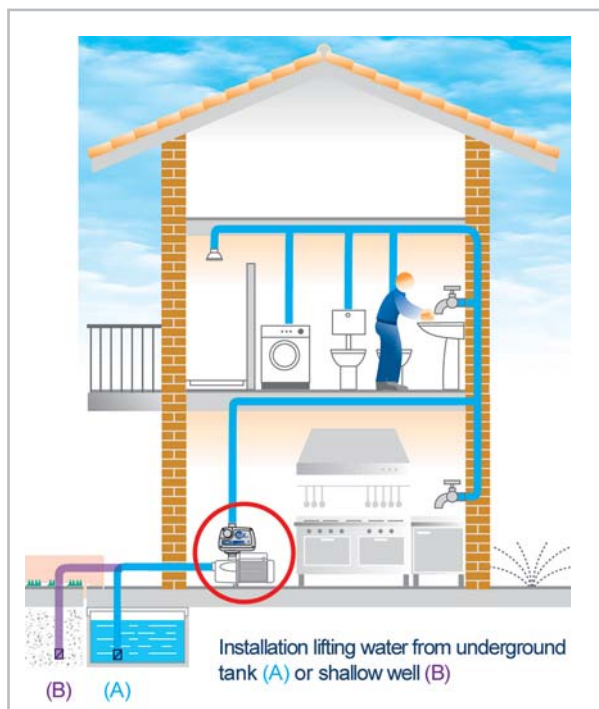
The PRESFLO WELL SYSTEM monitors the water pressure and flow rate that runs thru and protects the pump against dangerous working conditions like running dry.

When a tap is opened, PRESFLO starts the pump and keeps it running, delivering constant flow. PRESFLO stops the pump when the demand is near zero.



SAVE:

- ✓ Money
- ✓ Space
- ✓ Installation Time



APPLICATIONS

PRESFLO WELL SYSTEM is made up of a water pump and an electronic pump controller which pulls water out of shallow wells, underground tanks, ponds or lakes to be used for:

- Residential boosting systems
- Irrigation

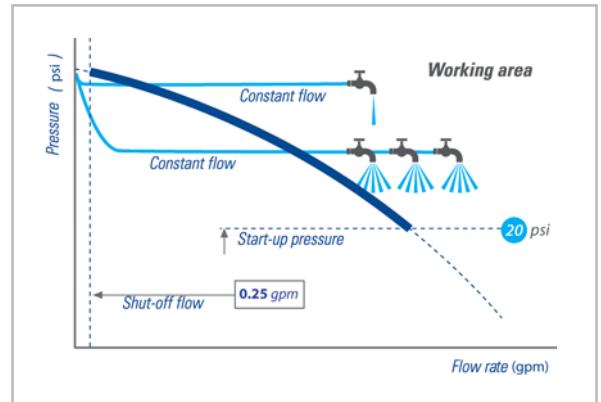
PRESFLO WELL SYSTEM



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FEATURES AND BENEFITS

- PRESFLO's body made of technopolymer with built-in check valve.
- Pressure loss is extremely low, for this reason it is possible to use PRESFLO WELL SYSTEMS with capacity up to 50 gpm.
- The special valve guarantees the pump continuous operation even with capacity as low as 0.2 gpm.
- Spring/membrane water accumulator. A special membrane guarantees a high level of protection against overpressure. PRESFLO's high capacity is essential to avoid frequent starts/stops of the pump in case of a leak in the pipeline.
- Circuit board: Easy to replace, available in 115V and 230V.
- PRESFLO WELL SYSTEMS come available with different pumps, for maximum working pressure up to 70 PSI's and flow rates up to 50 gpm.
(For selection chart see pages 9-10)



TECHNICAL SPECIFICATIONS

- Voltage: 230 Volt or 115 Volt.
- PRESFLO protection: Water Resistant
- Water pump protection: Outdoor Use
- Working temperature: 32° -122° F
- Dimensions: depends on the system selected. (For exact dimensions ask your retailer).
- Connections: 1" standard NPT.
- Maximum working pressure: 140 psi.
- Minimum starting pressure: 20 psi



PRESFLO WELL SYSTEM



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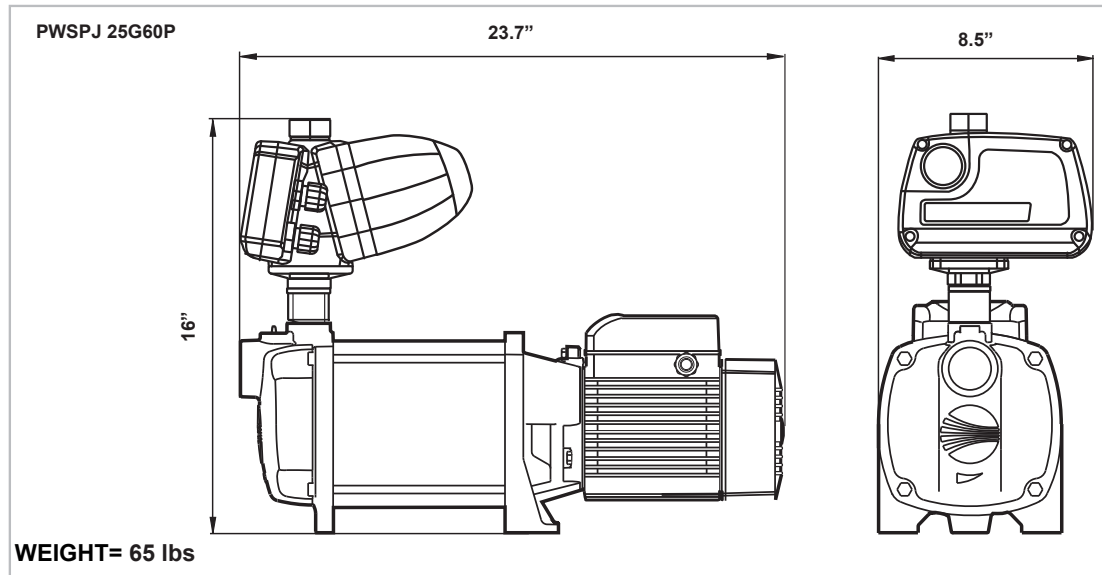
SELECTION CHART

APPLICATIONS FOR MODEL PWSPJ 25G60P RECOMMENDED LIFT UP TO 15 FT

PUMP MODEL: **PJ30 15** | PUMP CONTROLLER: **PRESFLO** | WATER SUPPLY: **UNDERGROUND TANKS, PONDS, SHALLOW WELLS, OR CISTERN TANKS**

FLOW RATE (GPM)	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
5	88	3 - 4 Bathroom home
10	85	
15	78	
20	72	Large homes
25	64	
30	54	Large homes with large irrigation systems
35	43	

DIMENSIONS



- All calculations done based on 3gpm per outlet and 1 floor/level home.



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