FLUX BOOSTING SYSTEM

HOW IT WORKS

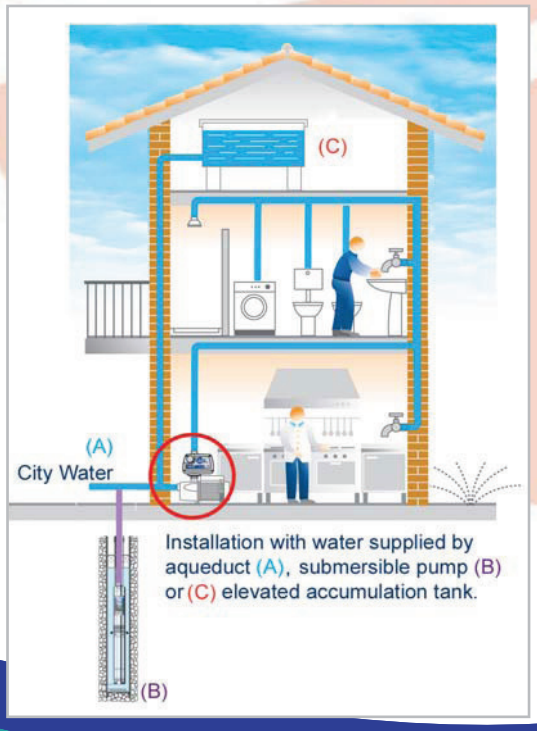
When the pressure available is insufficient it is necessary to install a boosting system. FLUX BOOSTING SYSTEM starts and stops according to the user's needs.
It replaces the traditional pressure switch/tank systems, offering more advantages such as:

- 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.

SAVE:
- ✓ Money
- ✓ Space
- ✓ Installation Time



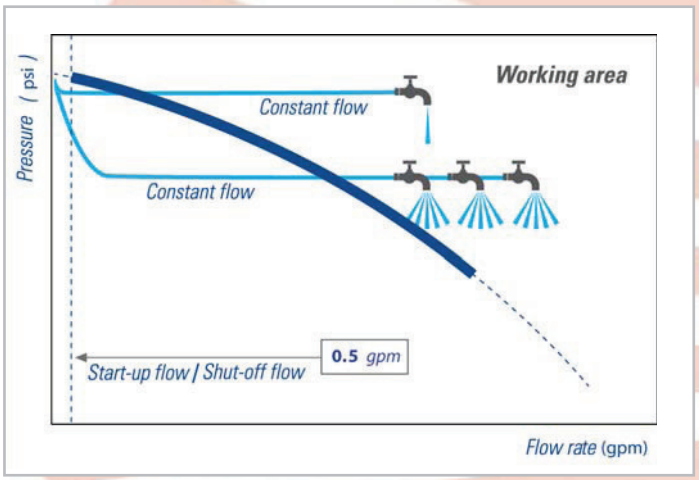
APPLICATIONS

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.

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.

PEDROLLO®
... the spring of life

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 FBS4CR 12G40P

PUMP MODEL: **4CR 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	**80**	**90**	**100**	**110**	1 - 2 Bathroom home
10	**65**	**75**	**85**	**95**	3 - 4 Bathroom home
15	**50**	**60**	**70**	**80**	5 - 6 Bathroom home

APPLICATIONS FOR MODEL FBSAR 40G30P

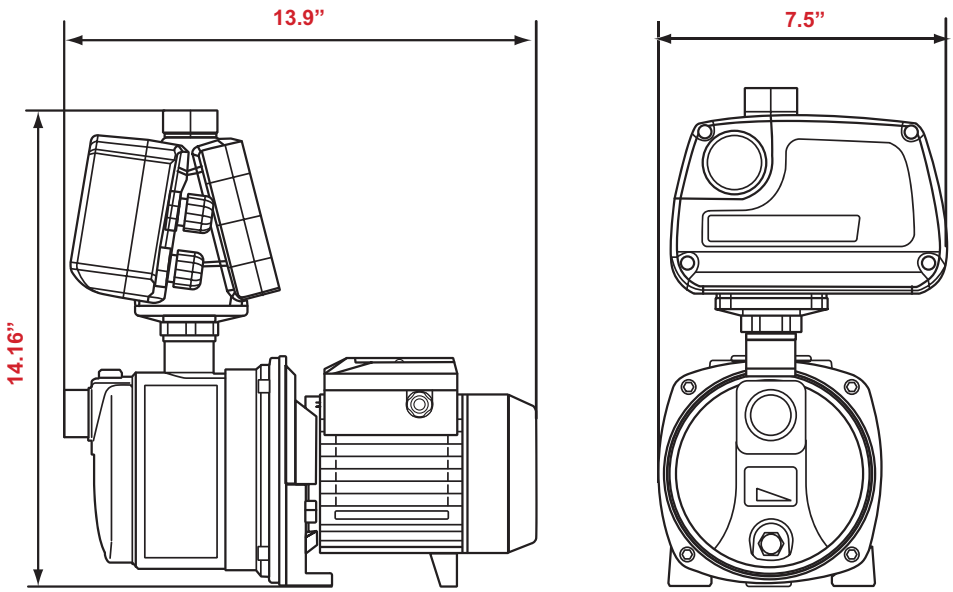
PUMP MODEL: **AR 10** | PUMP CONTROLLER: **FLUX** | WATER SUPPLY: **CITY WATER OR SUBMERSIBLE PUMP**

	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.

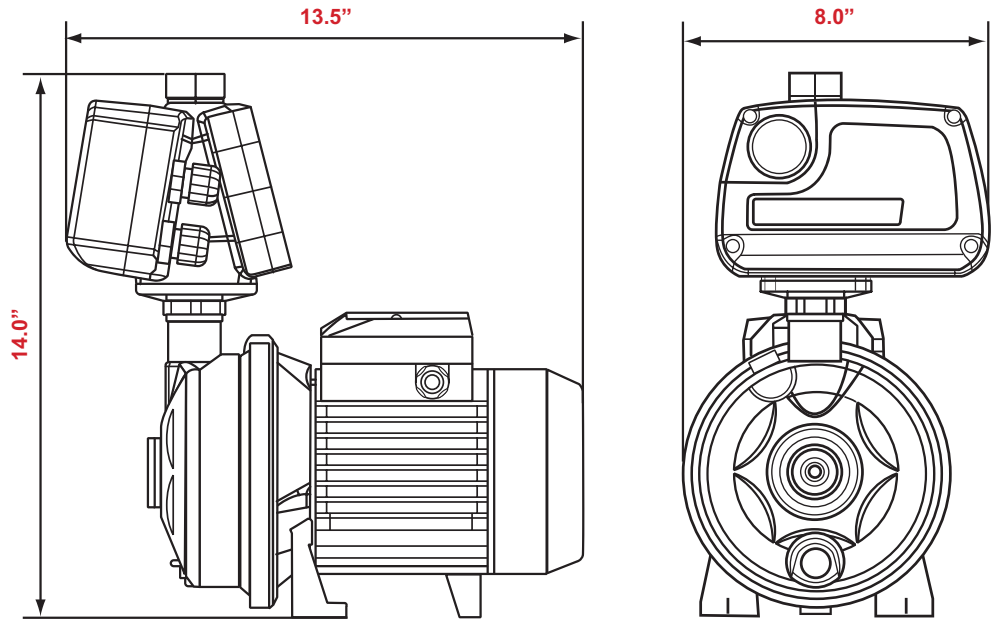
DIMENSIONS

FBS3CR 20G30P
FBS4CR 12G40P



WEIGHT= 21 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

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(see manual)

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