



EASY PUMP SYSTEMS & Electronic Controllers



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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 installation
- 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 through and protects the pump against dangerous working conditions like running dry.

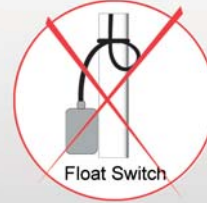
When a tap is opened and the water demand exceeds the minimum starting flow, FLUX starts the pump and keeps it running, delivering constant flow, even when capacity request is low. FLUX BOOSTING SYSTEMS stops the pump when the demand is below 0.5 gal/min. In case of a leak on the system (less than 0.5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



Pressure Tank



Pressure Switch

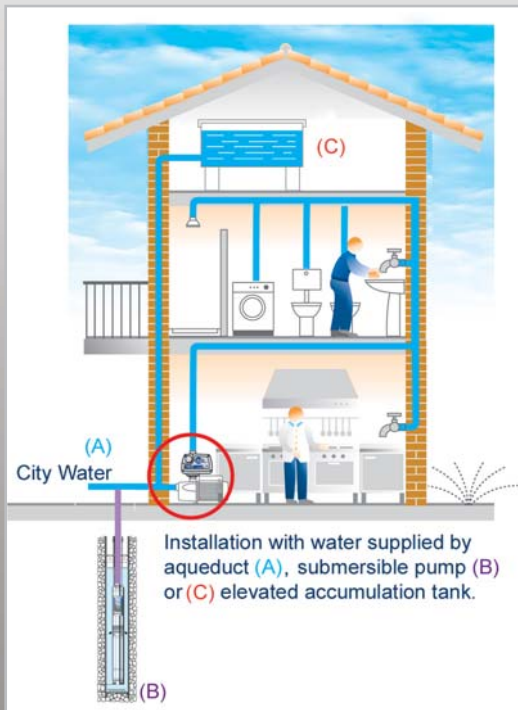


Float Switch



SAVE:

- ✓ Money
- ✓ Space
- ✓ Installation Time



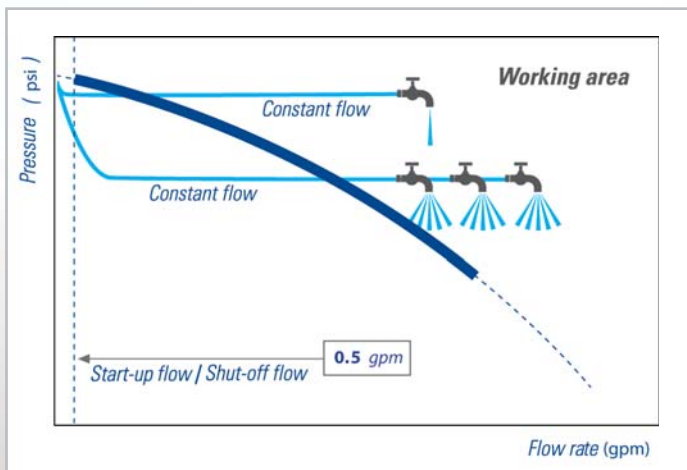
Applications

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.

Technical Specifications

- Voltage: 115 Volt or 230 Volt
- Water resistant
- Outdoor use
- Dimensions: see page 7
- Working temperature: 32° -122° F
- Connections: 1" standard
- Maximum working pressure: 95 psi
- Minimum flow rate: 0.5 gpm



It is recommended to install a pressure reducer valve and a surge arrester when using the Flux Boosting System (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 page 6.
- Friction loss is extremely low making it possible to use FLUX BOOSTING SYSTEM with capacity up to 50 gpm.
- The special valve guarantees the pump continuous operation.
- Circuit board is easy to replace and available in 115 V and 230 V.





Selection Chart

APPLICATIONS FOR MODEL: FBSMS05 15G30P

PUMP MODEL: MSC20 05 | PUMP CONTROLLER: FLUX | WATER SUPPLY: CITY WATER OR SUBMERSIBLE PUMP

Recommended

FLOW RATE (GPM)	INCOMING PRESSURE (PSI) FROM CITY OR SUBMERSIBLE PUMP				APPLICATION	PRESSURE LOSS (PSI) IN WATER METERS		
	20	30	40	50		5/8"	3/4"	1"
	PRESSURE (PSI) IN THE DISCHARGE OF THE PUMP							
Shut - off	63	73	83	93	-----			
5	60	70	80	90	1 Bathroom home	1	0.6	0.2
10	55	65	75	85	2 - 4 Bathroom home	3.7	1.6	0.7
15	50	60	70	80	5 - 6 Bathroom home	8	3.6	1.2
20	40	50	60	70	Up to 7 Bathroom home	15	6.5	2.3

APPLICATIONS FOR MODEL: FBSMS07 17G40P

PUMP MODEL: MSC20 07 | PUMP CONTROLLER: FLUX | WATER SUPPLY: CITY WATER OR SUBMERSIBLE PUMP

Recommended

FLOW RATE (GPM)	INCOMING PRESSURE (PSI) FROM CITY OR SUBMERSIBLE PUMP				APPLICATION	PRESSURE LOSS (PSI) IN WATER METERS		
	20	30	40	50		5/8"	3/4"	1"
	PRESSURE (PSI) IN THE DISCHARGE OF THE PUMP							
Shut - off	90	100	110	120	-----			
5	80	90	100	110	1 - 2 Bathroom home	1	0.6	0.2
10	75	85	95	105	3 - 4 Bathroom home	3.7	1.6	0.7
15	65	75	85	95	5 - 6 Bathroom home	8	3.6	1.2
20	55	65	75	85	Up to 7 Bathroom home	15	6.5	2.2

APPLICATIONS FOR MODEL: FBSMS07 25G30P

PUMP MODEL: MSC30 07 | PUMP CONTROLLER: FLUX | WATER SUPPLY: CITY WATER OR SUBMERSIBLE PUMP

Recommended

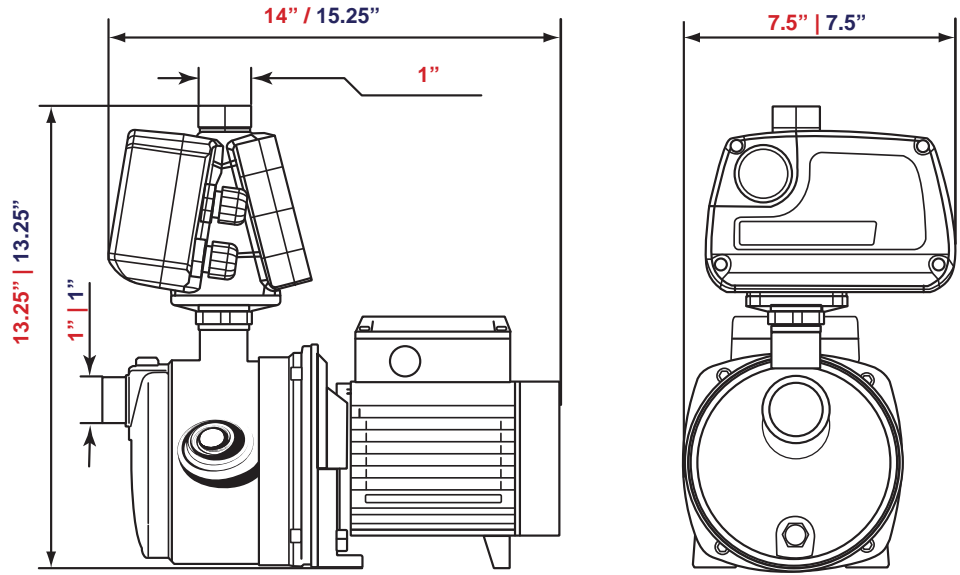
FLOW RATE (GPM)	INCOMING PRESSURE (PSI) FROM CITY OR SUBMERSIBLE PUMP				APPLICATION	PRESSURE LOSS (PSI) IN WATER METERS		
	20	30	40	50		5/8"	3/4"	1"
	PRESSURE (PSI) IN THE DISCHARGE OF THE PUMP							
Shut - off	66	76	86	96	-----			
10	62	72	82	92	3 - 4 Bathroom home	3.7	1.6	0.7
20	56	66	76	86	Up to 7 Bathroom home	15	6.5	2.2
30	48	58	68	78	Large homes long runs of plumbing	-	15	5.3
35	40	50	60	70	Large homes or large irrigation systems	-	-	6.9

- All calculations done based on 3gpm per outlet.
- All calculations done based on 1 floor/level home.
- The pressure at the discharge of the pump does not include the pressure loss in the water meter.
- It is recommended for residential applications, 75 psi maximum discharge pressure in order to prevent damage to piping. If the pressure at the discharge of the pump is higher than 75 psi it is recommended the installation of a pressure reducing valve.
- This calculations do not take into consideration the irrigation system.
- When a water meter is installed at the suction line there are pressure losses that will affect the total pressure in the system. When the pressure loss is higher than 5 psi it is recommended to install a larger water meter.

DIMENSIONS

FBSMS05 15G30P
FBSMS07 17G40P
FBSMS07 25G30P

WEIGHT=
19.6 lbs / 26.7 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

It is recommended to install a pressure reducer valve and a surge arrestor when using the Flux Boosting System (see manual)

PRESFLO WELL SYSTEM



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 installation
- 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 through and protects the pump against dangerous working conditions like running dry.

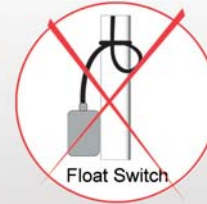
When a tap is opened, PRESFLO starts the pump and keeps it running, delivering constant flow. PRESFLO stops the pump when the demand is near zero.



Pressure Tank



Pressure Switch

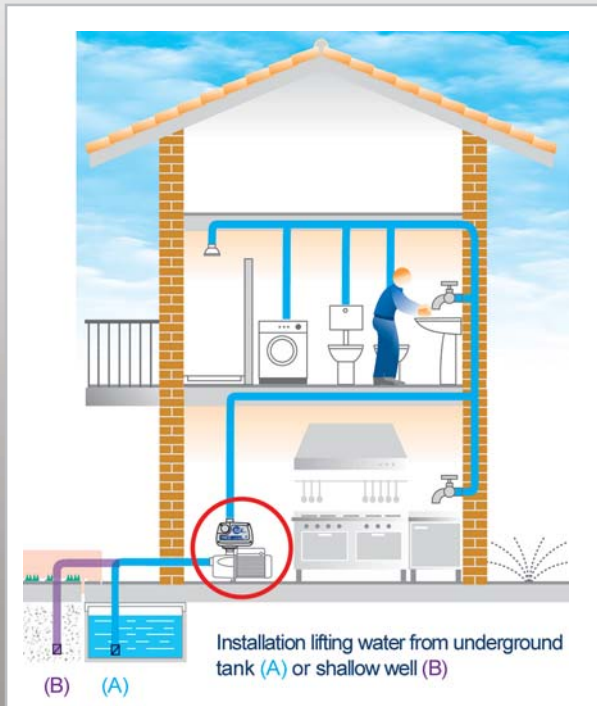


Float Switch



SAVE:

- ✓ Money
- ✓ Space
- ✓ Installation Time



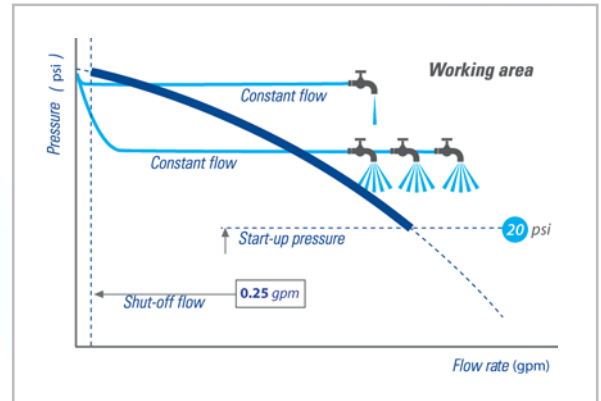
Applications

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

- Residential boosting systems
- Irrigation

Features and Benefits

- PRESFLO's body is made of technopolymer with built-in check valve.
- Pressure loss is extremely low, making it 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 115 V and 230 V.
- PRESFLO WELL SYSTEMS comes available with different pumps, for maximum working pressure up to 80 PSI's and flow rates up to 50 gpm. (For selection chart see pages 10 - 11)



Technical Specifications

- Voltage: 230 Volt or 115 Volt
- Water Resistant
- Outdoor Use
- Working temperature: 32° -122° F
- Dimensions: see pages 10 - 11
- Connections: 1" standard
- Maximum working pressure: 95 psi
- Minimum starting pressure: 20 psi





Selections Chart

APPLICATIONS FOR MODEL: PWSMS05 15G30P | OLD MODEL: PWS3CR 20G30P

PUMP MODEL: MSC20 05 | PUMP CONTROLLER: PRESFLO | WATER SUPPLY: UNDERGROUND TANKS OR PONDS

FLOW RATE (GPM)	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
Shut - Off	45	-----
5	40	1 Bathroom home
10	35	2 - 4 Bathroom home
15	28	Large homes long runs of plumbing
20	22	Large homes or large irrigation systems

APPLICATIONS FOR MODEL: PWSMS07 17G40P | OLD MODEL: PWS4CR 12G40P

PUMP MODEL: MSC20 07 | PUMP CONTROLLER: PRESFLO | WATER SUPPLY: UNDERGROUND TANKS OR PONDS

FLOW RATE (GPM)	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
Shut - Off	70	-----
5	62	1 - 2 Bathroom home
10	55	3 - 4 Bathroom home
15	45	5 - 6 Bathroom home
20	35	Large homes long runs of plumbing
25	20	Large homes or large irrigation systems

APPLICATIONS FOR MODEL: PWSMS07 25G30P

PUMP MODEL: MSC30 07 | PUMP CONTROLLER: PRESFLO | WATER SUPPLY: UNDERGROUND TANKS OR PONDS

FLOW RATE (GPM)	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
Shut - Off	46	-----
10	42	2 - 4 Bathroom home
15	40	Large homes long runs of plumbing
20	37	Large homes or large irrigation systems
30	27	Large homes or large irrigation systems
35	20	Large homes or large irrigation systems

APPLICATIONS FOR MODEL: PWSJS05 12G30P | OLD MODEL: PWSJCR 12G30P

PUMP MODEL: JSC 05 | PUMP CONTROLLER: PRESFLO | WATER SUPPLY: UNDERGROUND TANKS, PONDS OR SHALLOW WELLS

FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
5 gpm @ 5 ft	50	1 Bathroom home
4 gpm @ 10 ft		
3.5 gpm @ 15 ft		
8 gpm @ 5 ft	40	2 Bathroom home
7 gpm @ 10 ft		
6 gpm @ 15 ft		
12 gpm @ 5 ft	30	3 Bathroom home
11 gpm @ 10 ft		
10 gpm @ 15 ft		

RECOMMENDED LIFT UP TO 15 FT

APPLICATIONS FOR MODEL: PWSJS07 20G30P | OLD MODEL: PWSJCR 20G30P

PUMP MODEL: JSC 07 | PUMP CONTROLLER: PRESFLO | WATER SUPPLY: UNDERGROUND TANKS, PONDS OR SHALLOW WELLS

FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
7 gpm @ 5 ft	50	1 - 2 Bathroom home
6 gpm @ 10 ft		
5 gpm @ 15 ft		
20 gpm @ 5 ft	40	3 - 4 Bathroom home
11 gpm @ 10 ft		
10 gpm @ 15 ft		
21 gpm @ 5 ft	30	Large home
19 gpm @ 10 ft		
16 gpm @ 15 ft		

RECOMMENDED LIFT UP TO 15 FT

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

APPLICATIONS FOR MODEL: PWSJS10 20G40P | OLD MODEL: PWSJCR 20G40P

PUMP MODEL: JSC 10 | PUMP CONTROLLER: PRESFLO | WATER SUPPLY: UNDERGROUND TANKS OR PONDS

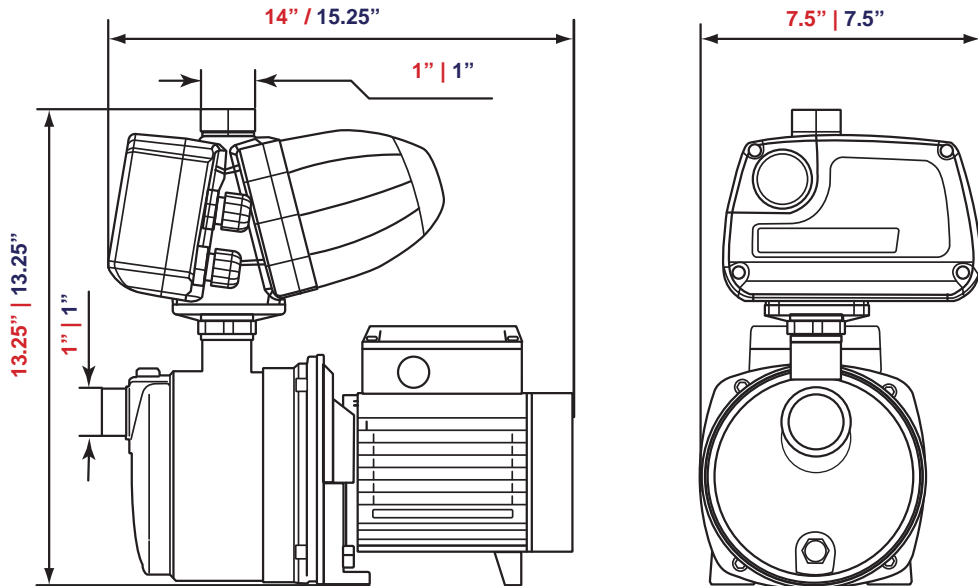
FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
16 gpm @ 5 ft	50	2 - 3 Bathroom home
15 gpm @ 10 ft		
13 gpm @ 15 ft		
21 gpm @ 5 ft	40	3 Bathroom home
21 gpm @ 10 ft		
20 gpm @ 15 ft		
22 gpm @ 5 ft	30	3 - 4 Bathroom home
22 gpm @ 10 ft		
21 gpm @ 15 ft		

RECOMMENDED LIFT UP TO 15 FT

DIMENSIONS

PWSMS05 15G30P
PWSMS07 17G40P
PWSMS07 25G30P
PWSJS05 12G30P
PWSJS07 20G30P
PWSJS10 20G40P

WEIGHT=
19.6 lbs / 26.7 lbs





BEST CONTROL

ELECTRONIC PUMP CONTROLLER



How it works

The BEST CONTROL electronic pump controller starts and stops the water pump according to the user's needs. It replaces the traditional pressure system of tank, pressure switch and float switch, offering more advantages such as:

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

The BEST CONTROL electronic pump controller monitors the water pressure and flow rate that runs through it and protects the pump against dangerous working conditions like dry running. When a tap is opened, BEST CONTROL starts the pump and keeps it running, delivering constant flow. BEST CONTROL stops the pump when the demand is near zero.

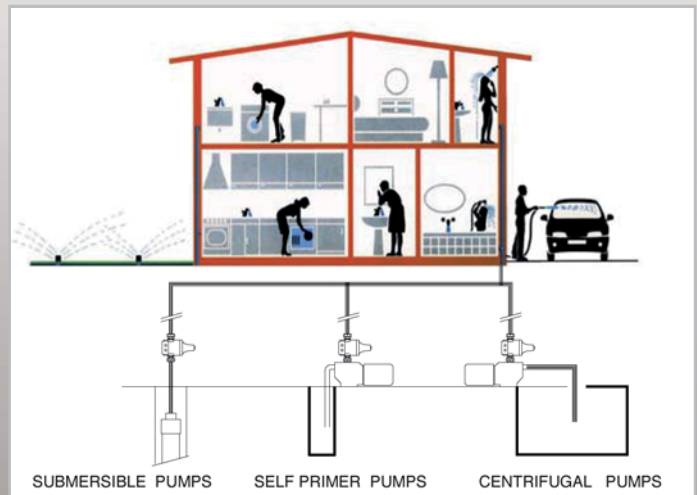
Applications

BEST CONTROL is an electronic pump controller design for water pumps which pull water out of shallow wells, aerator tanks, reservoir tanks, underground tanks, ponds or lakes to be used for:

- Residential boosting systems
- Irrigation



File No: E191502 Mod.CP



Technical Specifications

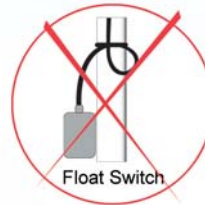
- Voltage: 115 / 230 Volt
- BEST CONTROL is UL Listed
- Working Temperature: 32°- 149° F
- Connections: 1" standard
- Maximum working pressure: 145 psi
- Minimum starting pressure: 22 psi



Pressure Tank



Pressure Switch

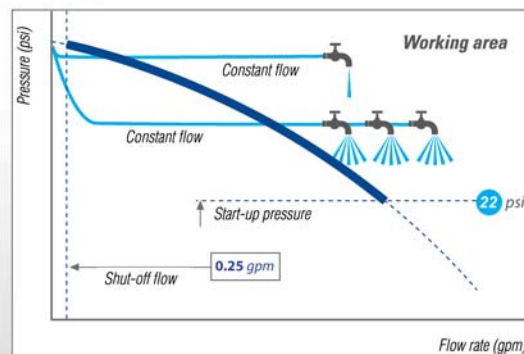
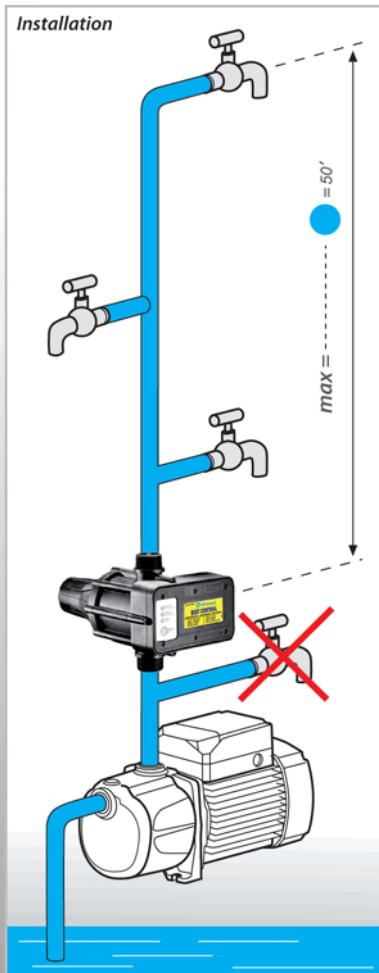


Float Switch



SAVE:

- ✓ Money
- ✓ Space
- ✓ Installation Time



Feature and Benefits

- BEST CONTROL's body is made of technopolymer.
- BEST CONTROL comes with built-in check valve.
- Pressure loss extremely low, for this reason it is possible to use BEST CONTROL electronic pump controller with capacity up to 40 gpm (See manual for pressure loss details).
- Spring/membrane water accumulator. A special membrane guarantees a high level of protection against overpressure. BEST CONTROL's high capacity is essential to avoid frequent starts/stops of the pump in case of leaking in the pipeline.
- Circuit box is easy to replace.

TOTAL CONTROL

ELECTRONIC PUMP CONTROLLER



How it works

When the pressure available is insufficient it is necessary to install a boosting system. TOTAL CONTROL electronic pump controller starts and stops the water pump according to the user's needs.

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

- Easy installations
- Reduced dimensions
- Pump protection against running dry, with automatic reset
- Provides for an adjustable downstream pressure
- Maintains constant pressure and flow
- Eliminates pump pressure switch
- Built-in pressure reducing valve
- Built-in check valve
- Assists in absorbing water hammer
- Can be used with or without pressure tank

The TOTAL CONTROL electronic pump controller monitors the flow rate of the water running through it and protects the pump against dangerous working conditions like dry running.

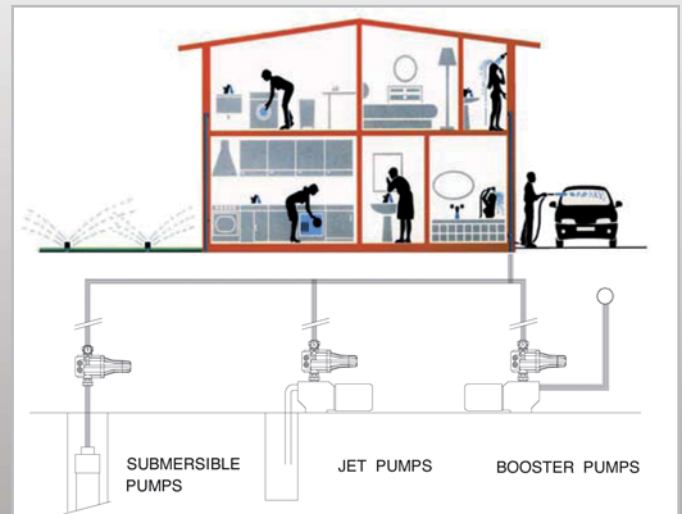
When a tap is opened and the water demand exceeds the minimum starting flow, TOTAL CONTROL starts the pump and keeps it running, delivering constant flow, even when capacity request is low. In case of a leak in the system (less than 0.5 gal/min) TOTAL CONTROL will never start the pump avoiding useless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



Applications

TOTAL CONTROL is an electronic pump controller which is used when is necessary to boost the pressure coming from city water, well pumps or when pulling water out of shallow wells, aerator tanks, reservoir tanks, underground tanks, ponds and lakes to be used for:

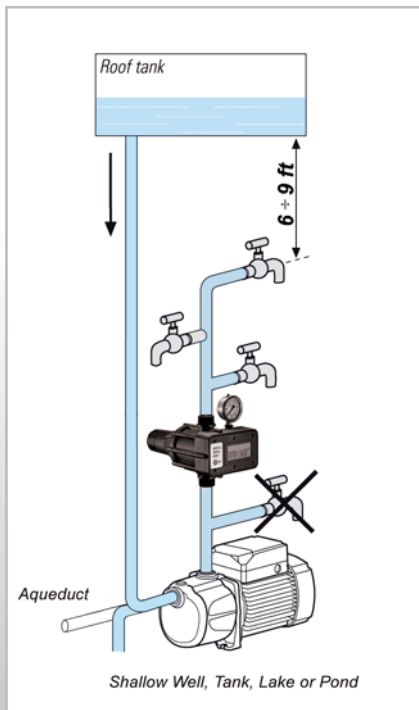
- Residential boosting systems
- Irrigation



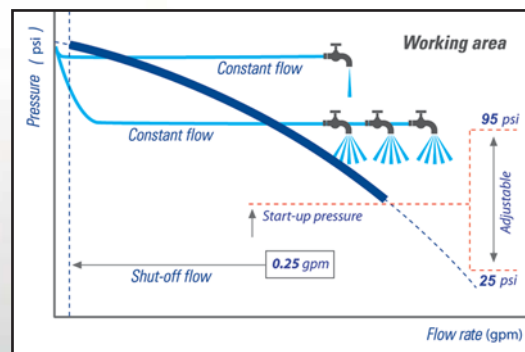
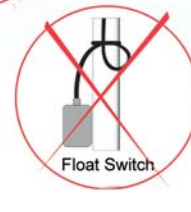
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Technical Specifications

- Voltage: 115/230 Volt
- UL Listed
- Working Temperature: 32° - 149° F
- Connections: 1 1/4" standard
- Maximum working pressure: 174 psi



SAVE:
Money, Space,
Installation Time



Features and Benefits

- TOTAL CONTROL's body is made of technopolymer.
- TOTAL CONTROL comes with a built-in check valve.
- Friction loss is extremely low making it possible to use TOTAL CONTROL with capacity up to 40 gpm (See manual for instructions)
- Circuit box is easy to replace.
- Increases pump life.
- No maintenance required.
- Adjustable working pressure.



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