

PRESFLO DELUXE

WELL & BOOSTING SYSTEM

HOW IT WORKS

The electronic pressure and flow controller starts and stops the water pump according to the user's needs.

It replaces the traditional expansion tank system, offering more advantages such as:

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

The electronic pressure and flow controller PRESFLO DELUXE monitors the pressure and flow rate that runs through it and protects the pump against dangerous working conditions such as running dry.

When a tap is opened PRESFLO DELUXE starts the water pump and keeps it running, delivering constant flow and pressure even at low flow rates.

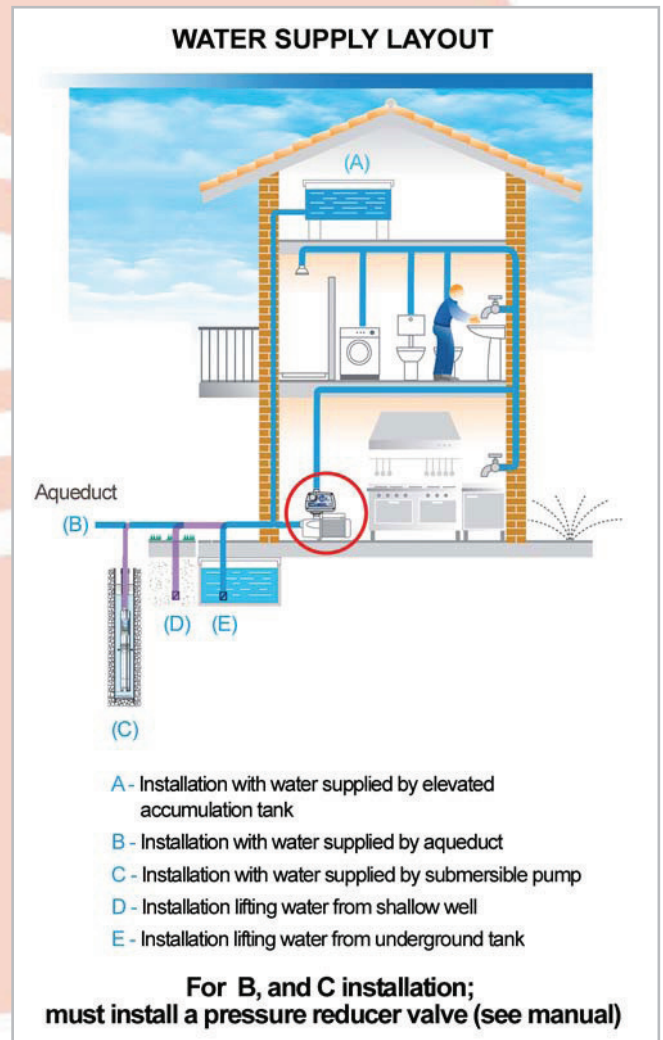
The PRESFLO DELUXE will stop the water pump when the flow rate demand is between 0.25 and 0.50 gpm.



APPLICATIONS

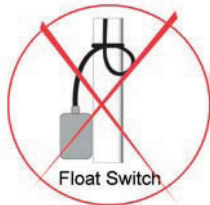
Electronic equipment for the control and pump protection of water pumps used for:

- Residential boosting systems.
- Irrigation.
- Shallow Wells

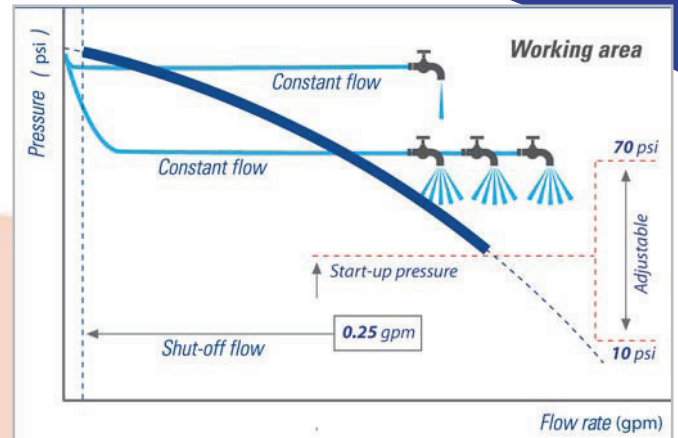


FEATURES AND BENEFITS

- Body with built-in check valve.
- Solid technopolymer body, for drinking water usage.
- Pressure loss extremely low. For this reason it is possible to use PRESFLO DELUXE assembled to pumps with a capacity of up to 50 gpm.
- A special valve guarantees the pump continuous operation, even with a capacity near zero.
- PRESFLO DELUXE works in vertical and horizontal position.
- Inlet and outlet standard 1" thread (NPT)
- A spring membrane water accumulator guarantees the highest level of protection against water hammer effect. PRESFLO DELUXE's capacity is essential to avoid frequent starts/stops of the pump in case of leaks in the systems.
- Circuit board easy to replace, available in 115V and 230V.



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



TECHNICAL SPECIFICATIONS

- Voltage: 230 Volt or 115 Volt
- Presflo Deluxe Protection: Water Resistant
- Water Pump Protection: Outdoor Use
- Working Temperature: 32°-122° F
- Dimensions: Depends on the system selected (for exact dimensions see pages 13-14)
- Max Flow Rate: 50 gpm
- Connections: 1" standard NPT
- Minimum Starting Pressure: Adjustable between 10 and 70 psi
- Shut-Off Flow Rate: Between 0.25 and 0.50 gpm

Why Deluxe?

- A unique digital regulator lets you set the start up pressure between 10 and 70 psi.
- PRESFLO DELUXE allows you to configure the maximum amperage. If for any reason the preset amperage overloads, PRESFLO DELUXE shuts down the pump.
- PRESFLO DELUXE comes with a pressure sensor, which allows you to monitor the working pressure of the system at all times through an LCD screen.



PRESFLO DELUXE

WELL & BOOSTING SYSTEM

SELECTION CHART

APPLICATIONS FOR MODEL DWBS3CR 20G30P

PUMP MODEL: **3CR 05** PUMP CONTROLLER: **PRESFLO DELUXE** WATER SUPPLY: **UNDERGROUND TANKS, PONDS OR SHALLOW WELL, CITY WATER OR SUBMERSIBLE PONDS**

	UNDERGROUND TANKS OR PONDS	INLET PRESSURE (PSI) FROM CITY WATER OR SUBMERSIBLE PUMP				
	ZERO INLET PRESSURE	20	30	40	50	
FLOW RATE (GPM)		PRESSURE (PSI) IN THE DISCHARGE OF THE PUMP				APPLICATION
5	45	65	75	85	95	1 - 2 Bathroom home
10	40	60	70	80	90	3 - 4 Bathroom home
15	35	55	65	75	85	5 - 6 Bathroom home
20	25	45	55	65	75	7 - 8 Bathroom home

APPLICATIONS FOR MODEL DWBS4CR 12G40P

PUMP MODEL: **4CR 05** PUMP CONTROLLER: **PRESFLO DELUXE** WATER SUPPLY: **UNDERGROUND TANKS, PONDS OR SHALLOW WELL, CITY WATER OR SUBMERSIBLE PONDS**

	UNDERGROUND TANKS OR PONDS	INLET PRESSURE (PSI) FROM CITY WATER OR SUBMERSIBLE PUMP				
	ZERO INLET PRESSURE	20	30	40	50	
FLOW RATE (GPM)		PRESSURE (PSI) IN THE DISCHARGE OF THE PUMP				APPLICATION
5	60	80	90	100	110	1 - 2 Bathroom home
10	45	65	75	85	95	3 - 4 Bathroom home
15	30	50	60	70	80	5 - 6 Bathroom home

APPLICATIONS FOR MODEL DWBSJCR 20G40P

PUMP MODEL: **JCR 10** | PUMP CONTROLLER: **PRESFLO DELUXE** | WATER SUPPLY: **UNDERGROUND TANKS, PONDS OR SHALLOW WELLS**

FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
8gpm @ 5 Ft	50	1 - 2 Bathroom home
7gpm @ 10 Ft		
6gpm @ 15 Ft		
11gpm @ 5 Ft	40	3 - 4 Bathroom home
10gpm @ 10 Ft		
9gpm @ 15 Ft		
22gpm @ 5 Ft	30	Large home
21gpm @ 10 Ft		
20gpm @ 15 Ft		

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

APPLICATIONS FOR MODEL DWBSAR 40G30P

PUMP MODEL: **AR 10** | PUMP CONTROLLER: **PRESFLO DELUXE** | WATER SUPPLY: **UNDERGROUND TANKS, PONDS OR SHALLOW WELL, CITY WATER OR SUBMERSIBLE PONDS**

FLOW RATE	UNDERGROUND TANKS OR PONDS	INLET PRESSURE (PSI) FROM CITY OR SUBMERSIBLE PUMP				APPLICATION
	ZERO INLET PRESSURE	20	30	40	50	
10	42	62	72	82	92	3 - 4 Bathroom home
20	40	60	70	80	90	Up to 7 Bathroom home
30	35	55	65	75	85	Large homes long runs of plumbing
40	28	48	58	68	78	Large homes or large irrigation systems

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

DIMENSIONS

