Pearl®
Water Systems

Boosting Systems



BEST-CONTROL

Pearl®
BEST CONTROL

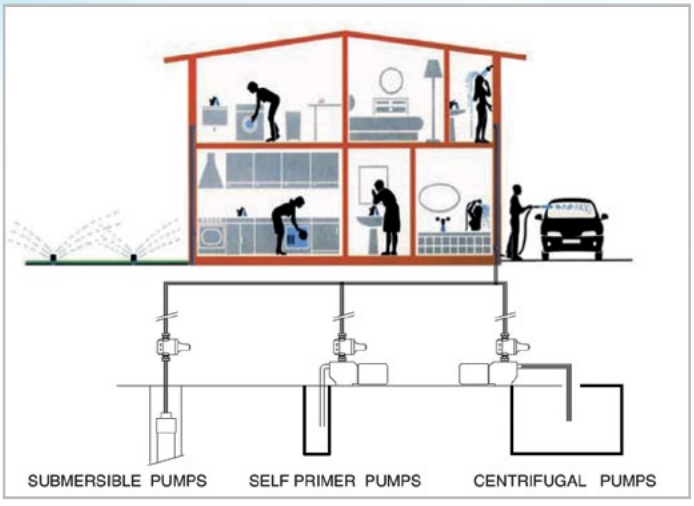
How it works

The BEST CONTROL WELL SYSTEM starts and stops the water pump according to the user's needs. It replaces the traditional pressure system of the 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 WELL SYSTEM sends 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 WELL SYSTEM starts the pump and keeps it running, delivering constant flow. BEST CONTROL WELL SYSTEM stops the pump when the demand is near zero.





Applications

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

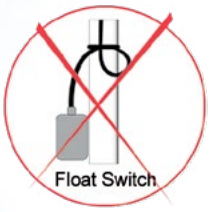
- **Residential boosting systems**
- **Irrigation**

Features and Benefits

- BEST CONTROL's body is made of technopolymer with a built-in check valve.
- Friction loss is extremely low, allowing the use of the BEST CONTROL WELL SYSTEM in applications with required flows up to 50 GPM.
- The special valve guarantees the pump continuous operation even with a capacity as low as 0.2 GPM.
- 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 a leak in the pipeline.
- Circuit board: Easy to replace, available in 115 V/230 V.
- BEST CONTROL WELL SYSTEM comes available with different pumps, for a maximum working pressure up to 80 PSI and flow rates up to 50 GPM. (For selection chart see pages 14 - 16)



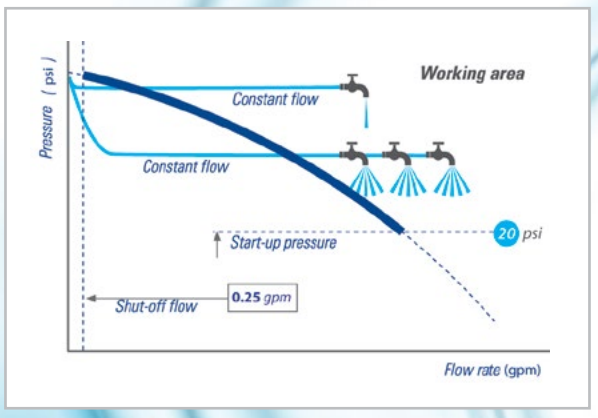






SAVE:

- ✓ Money
- ✓ Space
- ✓ Installation Time



Technical Specifications

- Voltage: 115/230 Volt
- Water Resistant
- Outdoor Use
- Working temperature: 32° -104° F
- Dimensions: see pages 10 - 11
- Connections: 1" standard
- Maximum working pressure: 95 psi
- Minimum starting pressure: 20 psi



Pearl®
BEST CONTROL

Selections Chart

APPLICATIONS FOR MODEL: BWXMS07 17G40P/ BWXMSD07

PUMP MODEL: MSC 07 | PUMP CONTROLLER: BEST CONTROL X | 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: BWXJS05 12G30P

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

FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
5.5 gpm @ 5 ft	50	1 Bathroom home
5 gpm @ 10 ft		
4.2 gpm @ 15 ft		
9 gpm @ 5 ft	40	2 Bathroom home
8.5 gpm @ 10 ft		
7.6 gpm @ 15 ft		
12.3 gpm @ 5 ft	30	3 Bathroom home
11.9 gpm @ 10 ft		
11 gpm @ 15 ft		

APPLICATIONS FOR MODEL: BWXJS07 20G30P

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

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

APPLICATIONS FOR MODEL: BWXJS10 20G40P / BWXJSD10 20G40P

PUMP MODEL: JSC 10 | PUMP CONTROLLER: BEST CONTROL X | WATER SUPPLY: UNDERGROUND TANKS OR PONDS

FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
11 gpm @ 5 ft	50	2 - 3 Bathroom home
10 gpm @ 10 ft		
9 gpm @ 15 ft		
16 gpm @ 5 ft	40	3 Bathroom home
15 gpm @ 10 ft		
14 gpm @ 15 ft		
22 gpm @ 5 ft	30	3 - 4 Bathroom home
21 gpm @ 10 ft		
20 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: BWXJS15 25G45P / BWXJSD15 25G45P

PUMP MODEL: JSCQ 15 | PUMP CONTROLLER: BEST CONTROL X | WATER SUPPLY: UNDERGROUND TANKS OR PONDS

FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
17 gpm @ 5 ft	50	2 - 3 Bathroom home
15 gpm @ 10 ft		
13 gpm @ 15 ft		
26 gpm @ 5 ft	40	3 Bathroom home
25 gpm @ 10 ft		
23 gpm @ 15 ft		
38 gpm @ 5 ft	30	3 - 4 Bathroom home
36 gpm @ 10 ft		
34 gpm @ 15 ft		

APPLICATIONS FOR MODEL: BWXJC05 12G30P / BWXJCD05 12G30P

PUMP MODEL: JCC 05 | PUMP CONTROLLER: BEST CONTROL X | WATER SUPPLY: UNDERGROUND TANKS, PONDS OR SHALLOW WELLS

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

APPLICATIONS FOR MODEL: BWXJC07 20G30P

PUMP MODEL: JCC 07 | PUMP CONTROLLER: BEST CONTROL X | WATER SUPPLY: UNDERGROUND TANKS, PONDS OR SHALLOW WELLS

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

APPLICATIONS FOR MODEL: BWXJC10 20G40P / BWXJCD10 20G40P

PUMP MODEL: JCC 10 | PUMP CONTROLLER: BEST CONTROL X | WATER SUPPLY: UNDERGROUND TANKS OR PONDS

FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
11 gpm @ 5 ft	50	2 - 3 Bathroom home
10 gpm @ 10 ft		
13 gpm @ 15 ft		
16 gpm @ 5 ft	40	3 Bathroom home
15 gpm @ 10 ft		
14 gpm @ 15 ft		
22 gpm @ 5 ft	30	3 - 4 Bathroom home
21 gpm @ 10 ft		
20 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: BWXJC15 25G45P / BWXJCD15 25G45P

PUMP MODEL: JCCQ 15 | PUMP CONTROLLER: BEST CONTROL X | WATER SUPPLY: UNDERGROUND TANKS OR PONDS

FLOW RATE @ SUCTION LIFT DEPTH	PUMP DISCHARGE PRESSURE (PSI)	APPLICATION
15 gpm @ 5 ft	50	2 - 3 Bathroom home
13 gpm @ 10 ft		
10 gpm @ 15 ft		
26 gpm @ 5 ft	40	3 Bathroom home
25 gpm @ 10 ft		
22 gpm @ 15 ft		
38 gpm @ 5 ft	30	3 - 4 Bathroom home
37 gpm @ 10 ft		
34 gpm @ 15 ft		

RECOMMENDED LIFT UP TO 15 FT

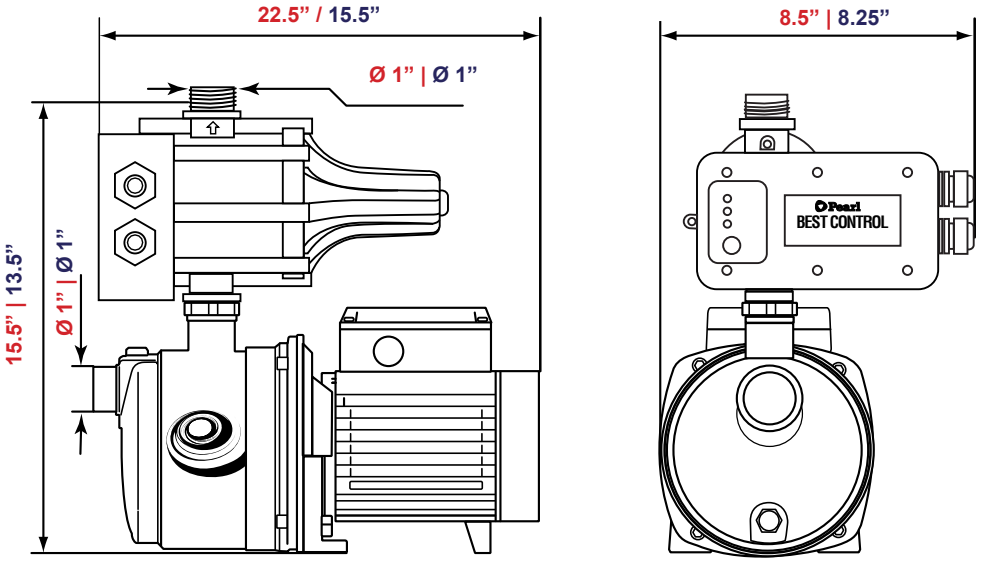
- All calculations done based on 3gpm per outlet and 1 floor/level home.

Dimensions

BWXMS07 17G40P
BWXMSD07 17G40P

BWXJS05 12G30P
BWXJS07 20G30P
BWXJS10 20G40P
BWXJSD10 20G40P
BWXJS15 25G45P
BWXJSD15 25G45P

BWXJC05 12G30P
BWXJCD05 12G30P
BWXJC07 20G30P
BWXJCD07 20G30P
BWXJC10 20G40P
BWXJCD10 20G40P
BWXJC15 25G45P
BWXJCD15 25G45P



WEIGHT=
19.6 lbs / 26.7 lbs