

# Pearl®

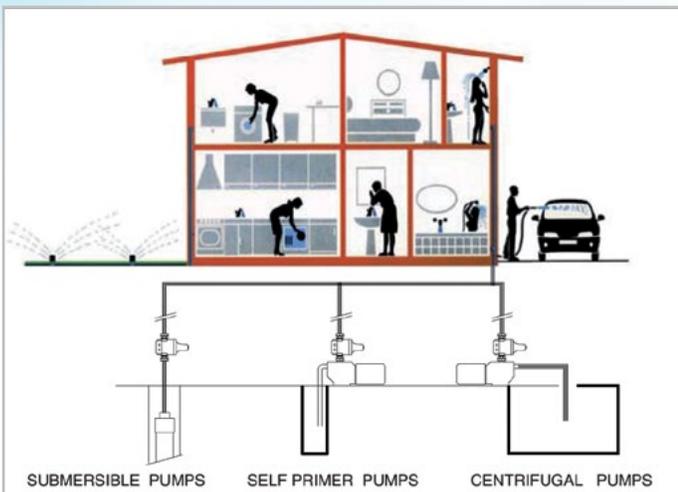
## BEST CONTROL

### 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 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.



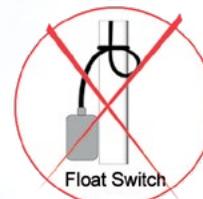
### Applications

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

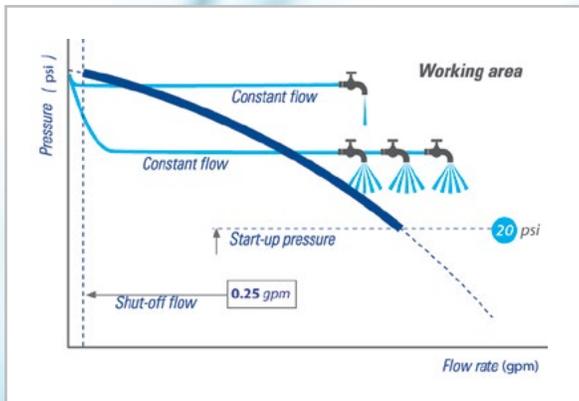
- Residential boosting systems
- Irrigation

## Features and Benefits

- BEST CONTROL's body is made of technopolymer with 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 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 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





## 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

