

## 4" Submersible Well Pumps – 1/2 - 20 hp

SUBMERSIBLE



Constructed of high-quality components, these well pumps are designed to be used vertically. A check valve comes standard on all models. If the well pump is positioned in an open body of water, a flow sleeve must be used (p.104)

- **Durable stainless impellers** – low maintenance and long lasting
- **Self-lubricating bearing** – resists sand and abrasives
- **Universal setup** – good replacement for any other existing well pump

### COMMON APPLICATIONS

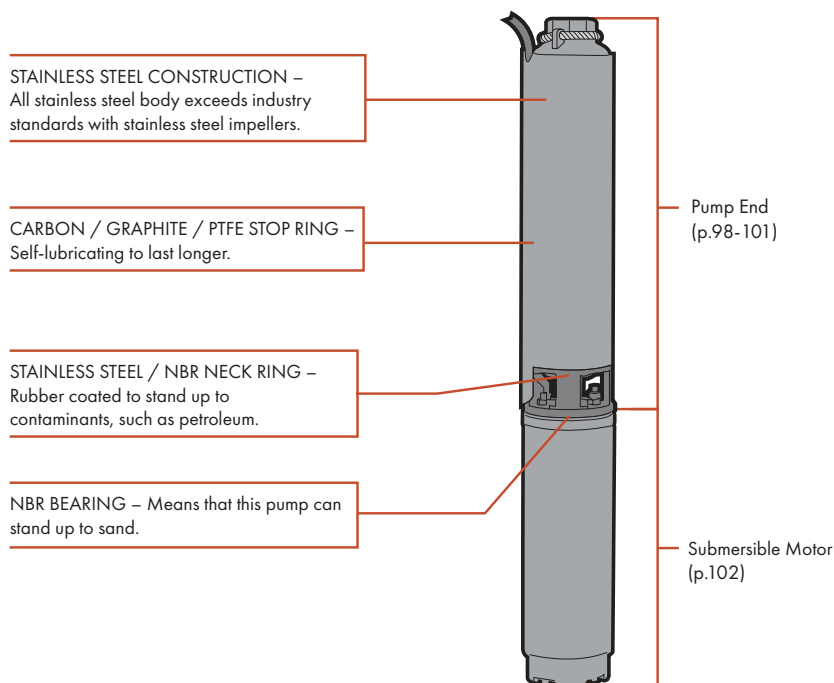
- Recommended for: irrigation, pressure boosting domestic water
- Other uses: potable water supply

### ADVANTAGES

**High-quality construction** – Stainless steel impellers give this pump a longer, multi-functional and trouble-free life.

**Flexible and forgiving** – Constructed to meet the demands of challenging environments, such as acidic or high-mineral content fluid.

**Wide range of sizes and configurations** – You'll find just the size and construction you're looking for to meet the requirements for your application. We offer variable speed options and a wide range of sizes and constructions.



### Did You Know?

Two-wire and three-phase motors available and on the shelf! (p.102)

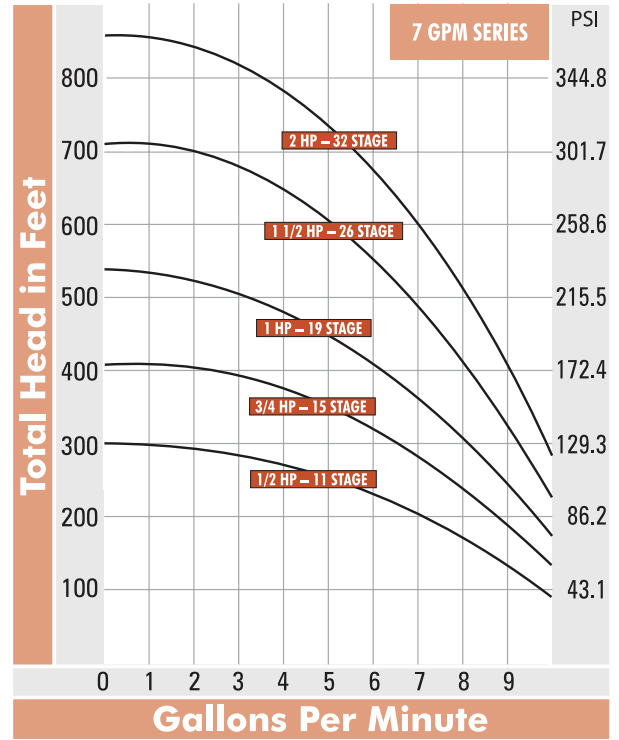
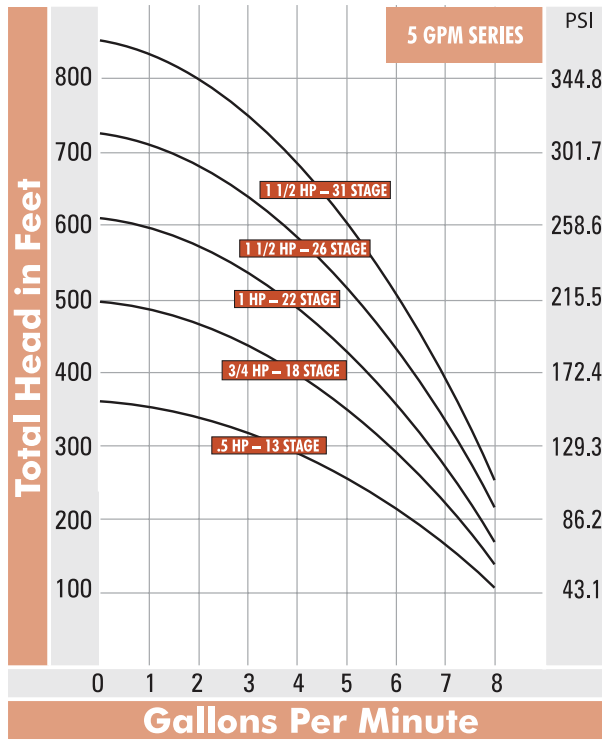
Constant pressure systems available to eliminate that huge pressure tank! (p.103)

NOTE: Pump Ends and Submersible Motors are sold separately.

## 4" Submersible Well Pumps 5 & 7 GPM Series

### Curves

HORSEPOWER RANGE: 1/2 – 2



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### Get Everything You Need!

- Pump saver (p.49)
- Cable + splice kit (p.52)
- Flow control valve (p.164)
- Check valves (p.161)
- Flow sleeve (p.104)

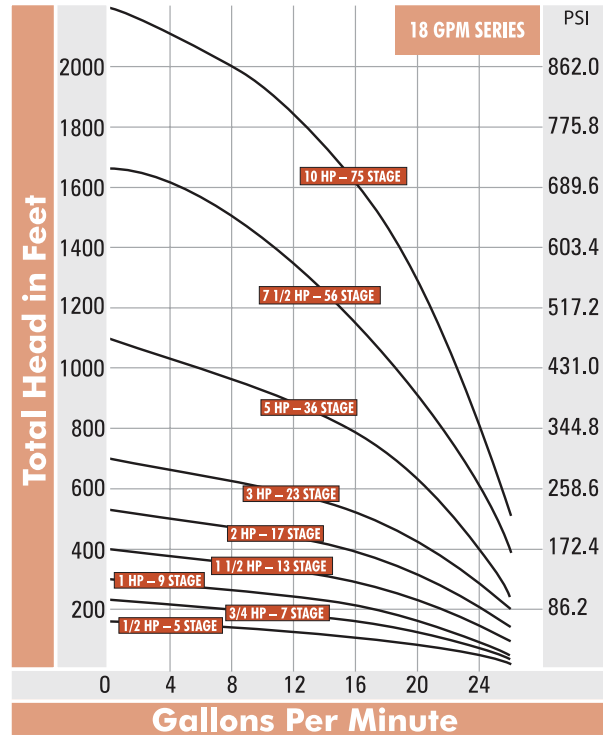
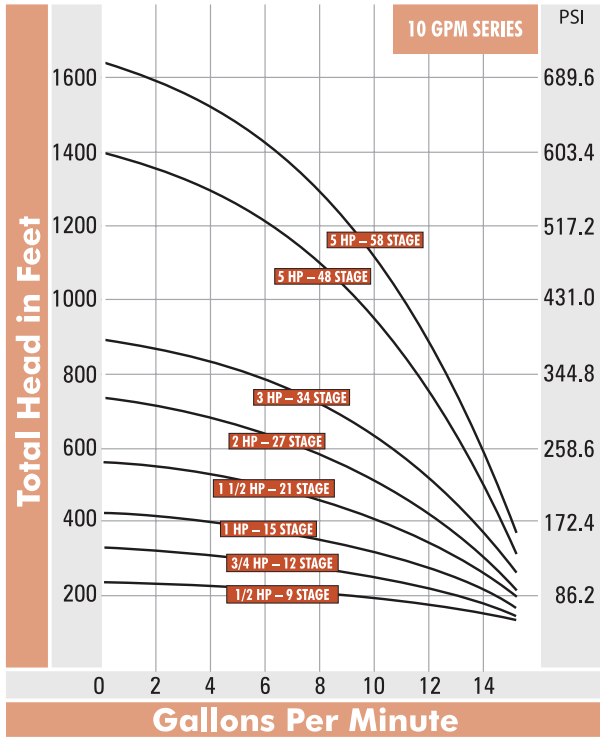
**Specifications** Pump End only. Submersible motors (p.102) must be selected and purchased separately.

HP	Diameter in	Discharge in	GPM	Approx. Length in	Weight lbs	Liquid Max Temp.	Model Number
1/2	3.9	1 1/4	5	17.3	8	104° F	WI6034863
3/4				21.5	10		WI6034864
1				24.8	12		WI6034865
1 1/2				28.1	13		WI6034866
1 1/2				33.1	20		WI6034867
1/2	3.9	1 1/4	7	15.2	10	104° F	WI2707563
3/4				18.5	11		WI2707564
1				21.8	12		WI2707565
1 1/2				27.6	16		WI2707566
2				34.5	28		WI2707567

## 4" Submersible Well Pumps 10 & 18 GPM Series

### Curves

HORSEPOWER RANGE: 1/2 – 10



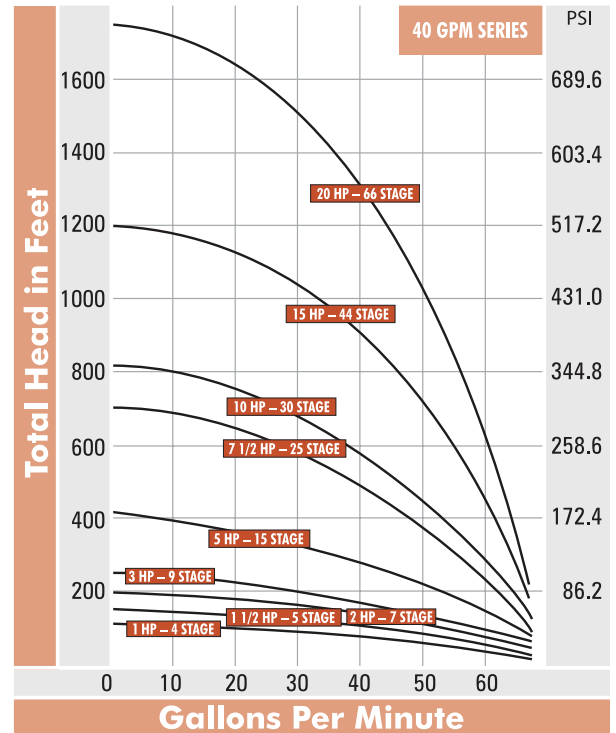
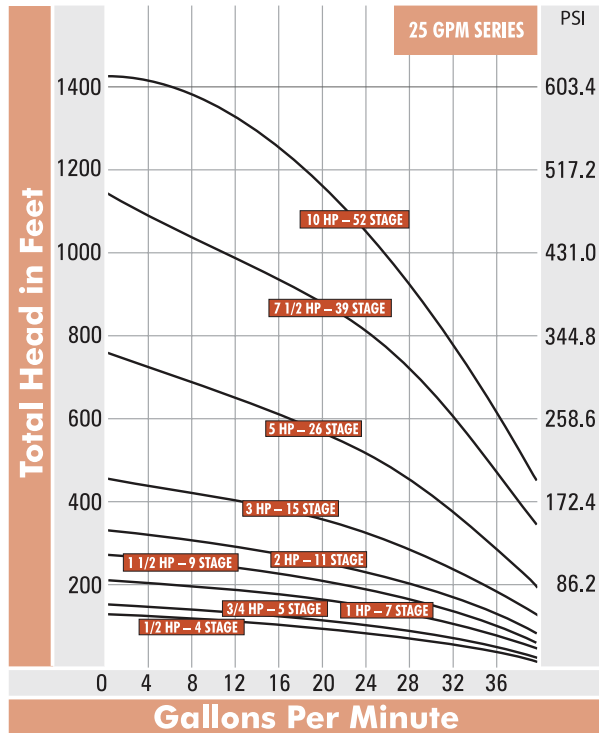
**Specifications** Pump End only. Submersible motors (p.102) must be selected and purchased separately.

HP	Diameter in	Discharge in	GPM	Approx. Length in	Weight lbs	Liquid Max Temp.	Model Number
1/2	3.9	1 1/4	10	14	7	104° F	WI6034869
3/4				16.5	8		WI6034870
1				19	9		WI6034871
1 1/2				23.9	12		WI6034872
2				28.9	14		WI6034873
3				35.6	22		WI6034874
5				47.7	38		WI6064249
5				64.5	42		WI6064250
1/2			18	10.7	5		WI6034875
3/4				12.4	6		WI6034876
1				14	7		WI6034877
1 1/2				17.3	9		WI6034878
2				20.6	10		WI6034879
3				25.6	13		WI6034880
5	37.2	23		WI6034882			
7 1/2	68.8	45		WI6065308			
10	84.5	60	WI6064251				

## 4" Submersible Well Pumps 25 & 40 GPM Series

### Curves

HORSEPOWER RANGE: 1/2 – 20



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**Specifications** Pump End only. Submersible motors (p.102) must be selected and purchased separately.

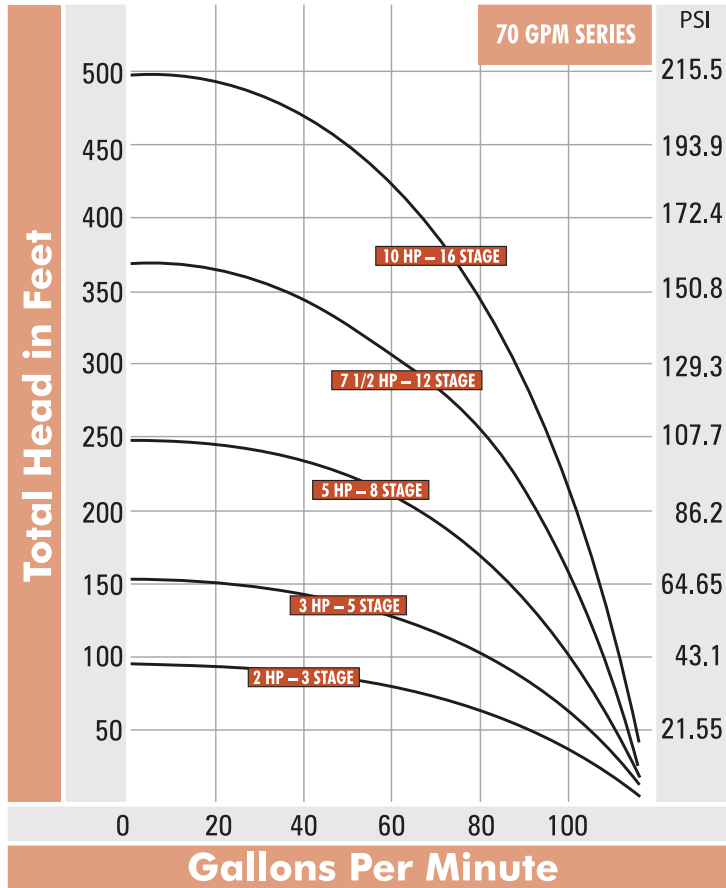
HP	Diameter in	Discharge in	GPM	Approx. Length in	Weight lbs	Liquid Max Temp.	Model Number
1/2	3.9	1 1/2	25	9.9	5	104° F	WI6034883
3/4				10.7	5		WI6034884
1				12.4	6		WI6034885
1 1/2				14	7		WI6034886
2				15.6	8		WI6034887
3				19	9		WI6034888
5				28.3	14		WI6034890
7 1/2				39.1	25		WI6034891
10				65.5	47		WI6064252
1				2	40		40
1 1/2	16.2	9	WI6034893				
2	19.5	12	WI6034894				
3	22.8	14	WI6034895				
5	32.8	21	WI6034897				
7 1/2	49.3	32	WI6034899				
10	57.5	37	WI6034900				
15	83	57	WI2707578				
20	131.8	73	WI2707579				

# Submersible Irrigation and Well Pumps

## 4" Submersible Well Pumps 70 GPM Series

### Curves

HORSEPOWER RANGE: 2 – 10



### Did You Know?

Submersible motors must maintain a minimum 45° angle to avoid premature thrust bearing failure.

**Specifications** Pump End only. Submersible motors (p.102) must be selected and purchased separately.

HP	Diameter in	Discharge in	GPM	Approx. Length in	Weight lbs	Liquid Max Temp.	Model Number
2	3.9	2	70	14.8	8	104° F	WI6035168
3				19.9	12		WI6035169
5				27.6	16		WI6035170
7 1/2				37.8	21		WI6035171
10				48	27		WI6035172

## Submersible Motors



HP	Volts	Amps	Thermal Protection	Service Factor	Length in	Weight lbs	Model Number
<b>2-Wire 4" Water Well Motors – 2 hots + ground (3 total wires)</b>							
1/2	115	12		1.60	9.53	18	FR2445049004S
1/2	230	6		1.60	9.53	18	FR2445059004S
3/4	230	8	Y	1.50	10.66	21	FR2445079004S
1	230	10.4		1.40	11.75	24	FR2445089003S
1 1/2	230	13.1		1.30	15.12	32	FR2443099004S
<b>3-Wire Single Phase With Ground Motors – 3 hots + ground (4 total wires)</b>							
1/2	115	12		1.60	9.53	18	FR2145049004S
1/2	230	6		1.60	9.53	18	FR2145059004S
3/4	230	8		1.50	10.66	21	FR2145079004S
1	230	10.4		1.40	11.75	24	FR2145089003S
1 1/2	230	11.5	Y	1.30	13.62	29	FR2243009203S
2	230	13.2		1.25	15.12	32	FR2243019204S
3	230	17		1.15	19.06	52	FR2247022604
5	230	27.5		1.15	30.5	69	FR2247038602G
<b>3-Wire 4" 3 Phase Motors – 3 hots + ground (4 total wires)</b>							
1/2	230	2.9		1.30	9.53	29	FR2345119204S
1/2	460	1.5		1.30	9.53	29	FR2345213116S
2	230	8.1		1.25	13.62	32	FR2343159204S
2	460	4.1		1.25	13.62	32	FR2343259404S
3	230	10.9	Y	1.15	16.06	43	FR2343159204S
3	460	5.5		1.15	16.06	43	FR2343262604
5	230	17.8		1.15	23.2	53	FR2343278602
5	460	8.9		1.15	23.2	53	FR2343278602G

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### Did You Know?

3-wire submersible pump motors require a control box, while 2-wire submersible pump motors do not.



### Did You Know?

How to count the wires:  
 2 wires = 2 wires + a ground  
 3 wires = 3 wires + a ground

## Single Phase Control Boxes



Approx. Weight lbs	Volts	HP	Model Number
3	115	1/2	FW127185
3		1/2	FW127189
3		3/4	FW127197
3		1	FW126319
6		1 1/2	FW133589
6	230	2	FW126321
7		3	FW126322
12		5	FW135269
8		7.5	BES14638
12		7.5	FW135271
8		10	BES19910
12		10	FW135273