



# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm



*Precision-engineered, high-quality, rugged MGS Stainless Steel Series Pumps deliver efficient, dependable performance even in rough, aggressive water. Heads to 1,950 feet and capacities to 65 GPM. Built to deliver long-term, trouble-free service. Floating impeller design resists sand and reduces sand locking. These pumps feature the SignaSeal™ staging system.*

### APPLICATIONS

- **Water systems...** for residential, industrial, commercial, multiple housing and farm use.

### SPECIFICATIONS

- Shell** – Stainless steel
- Diameter** – 3-7/8"
- Discharge** – Stainless steel
- Discharge Bearing** – Nylatron®
- Intermediate Bearing** – (On larger units) Polycarbonate, nitrile rubber and stainless steel
- Impellers** – Acetal
- Diffusers** – Polycarbonate
- Suction Caps** – Polycarbonate with stainless steel insert
- Thrust Pads** – Proprietary spec.
- Shaft and Coupling** – Stainless steel
- Intake** – Stainless steel
- Intake Screen** – Stainless steel
- Cable Guard** – Stainless steel
- Check Valve** – Acetal†
- Agency Listings** – CSA

## MGS STAINLESS STEEL

### FEATURES

- Staging System** – Our proven SignaSeal™ staging system incorporates a harder-than-sand ceramic wear surface that when incorporated with our floating impeller design, greatly reduces problems with abrasives, sand lock-up and running dry.
- Discharge** – Corrosion-resistant 300 grade stainless steel for durability in aggressive water. Large octagon wrench area for ease of installation.
- Discharge Bearing** – Exclusive self-lubricating Nylatron® bearing resists wear from sand.
- Intake** – Corrosion-resistant 300 grade stainless steel for durability in aggressive water.
- Shaft** – Positive drive from 7/16" hexagonal heavy-duty 300 grade stainless steel.
- Coupling** – Stainless steel press fit to pump shaft. Couples to all standard NEMA motors.
- Shell** – Highest grade, heavy-walled corrosion-resistant stainless steel. Threaded for easy servicing.
- Hardware** – All screws, washers and nuts are corrosion-resistant 300 grade stainless steel.
- Check Valve†** – Durable internal spring-loaded check valve.
- Cable Guard** – Corrosion-resistant stainless steel guard protects motor leads. Tapered ends prevent pump from catching on well.
- Intake Screen** – Corrosion-resistant stainless steel.
- PENTEK® XE Motor** – 2 and 3 wire NEMA standard all stainless construction water-filled motors.

Nylatron® is a registered trademark of Polymer Corp. PENTEK® and BERKELEY® are registered trademarks of Pentair Water. PRO-SOURCE™, SignaSeal™ and TrimLine™ are trademarks of Pentair Water. In order to provide the best products possible, specifications are subject to change.

†Except where noted.



# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

## ORDERING INFORMATION

GPM	Motor Type	HP	Stgs.	PH	Volt	Assembled Pump			Pump End			Motor		Control Box	
						Catalog Number	Length Inches*	Wt. Lbs*	Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Weight Pounds*	Catalog Number	Weight Pounds*
10**	2 Wire	1/2	6	1	115	B10P4MS05121	22	27	L10P4CMGS	12	8-1/2	P42B0005A1	19		
		1/2	6	1	230	B10P4MS05221	22	27	L10P4CMGS	12	8-1/2	P42B0005A2	19		
		3/4	8	1	230	B10P4MS07221	25	30	L10P4DMGS	13-3/4	9-1/2	P42B0007A2	23		
		1	11	1	230	B10P4MS10221	28	34	L10P4EMGS	15-1/2	10-1/4	P42B0010A2	25		
		1-1/2	15	1	230	B10P4MS15221	34	41	L10P4FMGS	19	12	P42B0015A2	29		
	3 Wire	1/2	6	1	115	B10P4MS05131	22	27	L10P4CMGS	12	8-1/2	P43B0005A1	19	SMC-IR0511	4
		1/2	6	1	230	B10P4MS05231	22	27	L10P4CMGS	12	8-1/2	P43B0005A2	18	SMC-CR0521	4
		3/4	8	1	230	B10P4MS07231	25	30	L10P4DMGS	13-3/4	9-1/2	P43B0007A2	21	SMC-CR0721	4
		1	11	1	230	B10P4MS10231	28	34	L10P4EMGS	15-1/2	10-1/4	P43B0010A2	23	SMC-CR1021	4
		1-1/2	15	1	230	B10P4MS15231	32-3/4	41	L10P4FMGS	19	12	P43B0015A2	27	SMC-CR1521	7
		1-1/2	15	3	230				L10P4FMGS	19	12				
		1-1/2	15	3	460				L10P4FMGS	19	12				
		2	19	1	230				L10P4GMGS	21-1/2	13-1/2	P43B0020A2	31	SMC-CR2021	7
		2	19	3	230				L10P4GMGS	21-1/2	13-1/2	P43B0020A3	23		
		2	19	3	460				L10P4GMGS	21-1/2	13-1/2				
		3	26	1	230				L10P4HMGS	27-1/2	16-1/2	P43B0030A2	40	SMC-CR3021	8
		3	26	3	230				L10P4HMGS	27-1/2	16-1/2	P43B0030A3	32		
		3	26	3	460				L10P4HMGS	27-1/2	16-1/2				
		5	43	1	230				L10P4JMGS	42-3/4	25	P43B0050A2	70	SMC-CR5021	12
		5	43	3	230				L10P4JMGS	42-3/4	25	P43B0050A3	55		
5	43	3	460				L10P4JMGS	42-3/4	25						
15**	2 Wire	1/2	5	1	115	B15P4MS05121	22-1/4	27	L15P4CMGS	12-1/4	9	P42B0005A1	19		
		1/2	5	1	230	B15P4MS05221	22-1/4	27	L15P4CMGS	12-1/4	9	P42B0005A2	19		
		3/4	7	1	230	B15P4MS07221	25-3/4	31	L15P4DMGS	14-1/2	10	P42B0007A2	23		
		1	9	1	230	B15P4MS10221	29-1/4	35	L15P4EMGS	16-3/4	11	P42B0010A2	25		
		1-1/2	12	1	230	B15P4MS15221	35-1/4	43	L15P4FMGS	20-1/4	13	P42B0015A2	29		
	3 Wire	1/2	5	1	115	B15P4MS05131	22-1/4	27	L15P4CMGS	12-1/4	9	P43B0005A1	19	SMC-IR0511	4
		1/2	5	1	230	B15P4MS05231	22-1/4	27	L15P4CMGS	12-1/4	9	P43B0005A2	18	SMC-CR0521	4
		3/4	7	1	230	B15P4MS07231	25-3/4	31	L15P4DMGS	14-1/2	10	P43B0007A2	21	SMC-CR0721	4
		1	9	1	230	B15P4MS10231	29-1/4	35	L15P4EMGS	16-3/4	11	P43B0010A2	23	SMC-CR1021	4
		1-1/2	12	1	230	B15P4MS15231	33-3/4	41	L15P4FMGS	20-1/4	13	P43B0015A2	27	SMC-CR1521	7
		1-1/2	12	3	230				L15P4FMGS	20-1/4	13	P43B0015A3	23		
		1-1/2	12	3	460				L15P4FMGS	20-1/4	13				
		2	15	1	230				L15P4GMGS	23-1/2	15	P43B0020A2	31	SMC-CR2021	7
		2	15	3	230				L15P4GMGS	23-1/2	15	P43B0020A3	23		
		2	15	3	460				L15P4GMGS	23-1/2	15				
		3	22	1	230				L15P4HMGS	31-1/4	18	P43B0030A2	40	SMC-CR3021	7
		3	22	3	230				L15P4HMGS	31-1/4	18	P43B0030A3	32		
		3	22	3	460				L15P4HMGS	31-1/4	18				

\* Length and Weight are approximate.

\*\* For 10 GPM, 15 GPM, and 20 GPM, discharge is 1-1/4" NPT.

\*\*\* For 30 GPM and 50 GPM discharge is 2" NPT.

**NOTE:** On 2 HP and larger – Pump, Motor, Control Box or Magnetic Starter must be ordered separately.

†Check Valve not included on 5 HP, 7-1/2 HP and 10 HP models. Check valve not included on 50 GPM models.

TrimLine™ version maximum outside diameter 3-3/4". Standard version maximum outside diameter on all models is 3-7/8".



# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

## ORDERING INFORMATION

GPM	Motor Type	HP	Stgs.	PH	Volt	Assembled Pump			Pump End			Motor		Control Box	
						Catalog Number	Length Inches*	Wt. Lbs.*	Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Weight Pounds*	Catalog Number	Weight Pounds*
20**	2 Wire	3/4	5	1	230	B20P4MS07221	23-3/4	30	L20P4DMGS	12-1/2	8-1/2	P42B0007A2	23		
		1	7	1	230	B20P4MS10221	27-1/4	34	L20P4EMGS	14-3/4	9-3/4	P42B0010A2	25		
		1-1/2	9	1	230	B20P4MS15221	32	39	L20P4FMGS	16-3/4	10-3/4	P42B0015A2	29		
	3 Wire	3/4	5	1	230	B20P4MS07231	23-3/4	30	L20P4DMGS	12-1/2	8-1/2	P43B0007A2	23	SMC-CR0721	5
		1	7	1	230	B20P4MS10231	27-1/4	34	L20P4EMGS	14-3/4	9-3/4	P43B0010A2	25	SMC-CR1021	5
		1-1/2	9	1	230	B20P4MS15231	30-1/2	39	L20P4FMGS	16-3/4	10-3/4	P43B0015A2	29	SMC-CR1521	7
		1-1/2	9	3	230				L20P4FMGS	16-3/4	10-3/4	P43B0015A3	23		
		1-1/2	9	3	460				L20P4FMGS	16-3/4	10-3/4				
		2	12	1	230				L20P4GMGS	20-1/4	12-1/2	P43B0020A2	31	SMC-CR2021	7
		2	12	3	230				L20P4GMGS	20-1/4	12-1/2	P43B0030A3	32		
		2	12	3	460				L20P4GMGS	20-1/4	12-1/2				
		3	17	1	230				L20P4HMGS	25-3/4	15	P43B0030A2	40	SMC-CR3021	7
		3	17	3	230				L20P4HMGS	25-3/4	15	P43B0030A3	32		
		3	17	3	460				L20P4HMGS	25-3/4	15				
		5	28	1	230				L20P4JMGS	38	21	P43B0050A2	70	SMC-CR5021	8
		5	28	3	230				L20P4JMGS	38	21	P43B0050A3	55		
		5	28	3	460				L20P4JMGS	38	21				
		7-1/2	40	3	230				L20P4KMGS	53-3/4	30	P43B0075A3	70		
		7-1/2	40	3	460				L20P4KMGS	53-3/4	30				
		10	54	3	460				L20P4LMGS	71	41				
30***	2 Wire	1	5	1	230	B30P4MS10221	26-1/2	35	L30P4EMGS	14	9-3/4	P42B0010A2	25		
		1-1/2	6	1	230	B30P4MS15221	30-1/2	39	L30P4FMGS	15-1/4	10-3/4	P42B0015A2	29		
	3 Wire	1	5	1	230	B30P4MS10231	26-1/2	35	L30P4EMGS	14	10	P43B0010A2	25	SMC-CR1021	5
		1-1/2	6	1	230	B30P4MS15231	29	39	L30P4FMGS	15-1/4	11	P43B0015A2	29	SMC-CR1521	7
		1-1/2	6	3	230				L30P4FMGS	15-1/4	11	P43B0015A3	23		
		1-1/2	6	3	460				L30P4FMGS	15-1/4	11				
		2	8	1	230				L30P4GMGS	18-1/4	12	P43B0020A2	31	SMC-CR2021	7
		2	8	3	230				L30P4GMGS	18-1/4	12	P43B0020A3	23		
		2	8	3	460				L30P4GMGS	18-1/4	12				
		3	12	1	230				L30P4HMGS	24	15	P43B0020A2	40	SMC-CR3021	7
		3	12	3	230				L30P4HMGS	24	15	P43B0030A3	32		
		3	12	3	460				L30P4HMGS	24	15				
		5	20	1	230				L30P4JMGS	35-3/4	20	P43B0050A2	70	SMC-CR5021	8
		5	20	3	230				L30P4JMGS	35-3/4	20	P43B0050A3	55		
		7-1/2	28	3	230				L30P4KMGS	50	27	P43B0075A3	70		
		7-1/2	28	3	460				L30P4KMGS	50	27				
		10	38	3	460				L30P4LMGS	65-1/2	35				

\* Length and Weight are approximate.

\*\* For 10 GPM, 15 GPM, and 20 GPM, discharge is 1-1/4" NPT.

\*\*\* For 30 GPM and 50 GPM discharge is 2" NPT.

**NOTE:** On 2 HP and larger – Pump, Motor, Control Box or Magnetic Starter must be ordered separately.

† Check Valve not included on 5 HP, 7-1/2 HP and 10 HP models. Check valve not included on 50 GPM models.

TrimLine™ version maximum outside diameter 3-3/4". Standard version maximum outside diameter on all models is 3-7/8".



# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

## ORDERING INFORMATION

GPM	Motor Type	HP	Stgs.	PH	Volt	Pump End			Motor		Control Box	
						Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Weight Pounds*	Catalog Number	Weight Pounds*
50***	2 Wire	1-1/2	4	1	230	L50P4FMGS	15-1/4	10	P42B0015A2	29		
	3 Wire	1-1/2	4	1	230	L50P4FMGS	15-1/4	10	P43B0015A2	27	SMC-CR1521	7
		1-1/2	4	3	230	L50P4FMGS	15-1/4	10	P43B0015A3	23		
		1-1/2	4	3	460	L50P4FMGS	15-1/4	10				
		2	6	1	230	L50P4GMGS	19-1/4	12	P43B0020A2	31	SMC-CR2021	7
		2	6	3	230	L50P4GMGS	19-1/4	12	P43B0020A3	27		
		2	6	3	460	L50P4GMGS	19-1/4	12				
		3	8	1	230	L50P4HMGS	23-1/4	15	P43B0030A2	40	SMC-CR3021	7
		3	8	3	230	L50P4HMGS	23-1/4	15	P43B0030A3	32		
		3	8	3	460	L50P4HMGS	23-1/4	15				
		5	13	1	230	L50P4JMGS	33-1/2	20	P43B0050A2	70	SMC-CR5021	8
		5	13	3	230	L50P4JMGS	33-1/2	20	P43B0050A3	55		
		5	13	3	460	L50P4JMGS	33-1/2	20				
		7-1/2	20	3	230	L50P4KMGS	47-1/2	25	P43B0075A3	70		
		7-1/2	20	3	460	L50P4KMGS	47-1/2	25				
		10	25	3	460	L50P4LMGS	57-3/4	35				

\* Length and Weight are approximate.

\*\* For 10 GPM, 15 GPM, and 20 GPM, discharge is 1-1/4" NPT.

\*\*\* For 30 GPM and 50 GPM discharge is 2" NPT.

**NOTE:** Pump, Motor, Control Box or Magnetic Starter must be ordered separately.

Check valve not included on 50 GPM models.



# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

## OUTLINE DIMENSIONS – 10, 15, 20, AND 30 GPM

Discharge	
10 GPM	1-1/4" NPT
15 GPM	1-1/4" NPT
20 GPM	1-1/4" NPT
30 GPM	2" NPT

For lengths, refer to Ordering Information tables.

Dimensions (in inches) are for estimating purposes only.

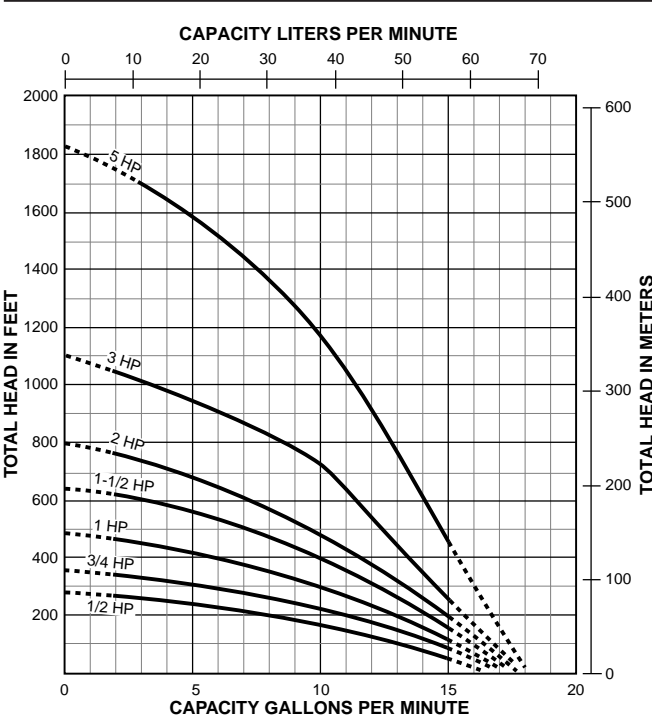
## OUTLINE DIMENSIONS – 50 GPM

Discharge	
50 GPM	2" NPT

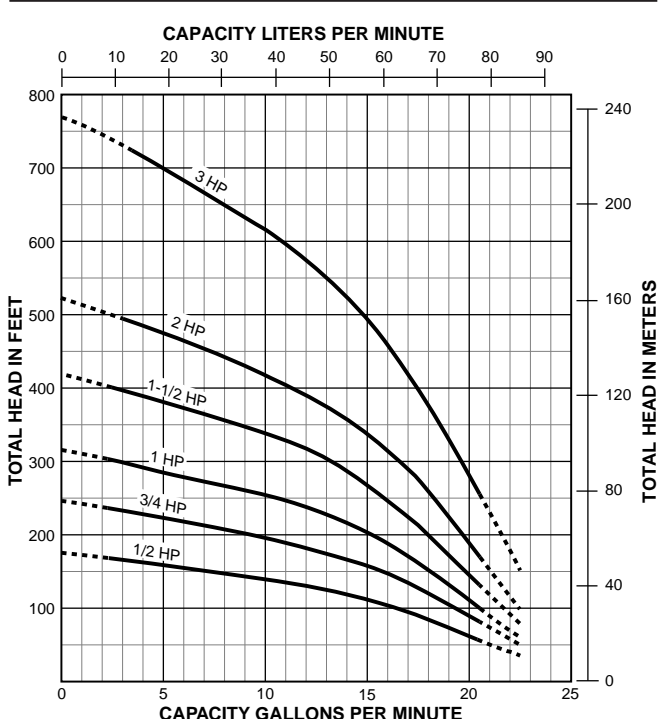
Pump diameter is 3-7/8". For lengths, refer to Ordering Information tables.

Dimensions (in inches) are for estimating purposes only.

## PUMP PERFORMANCE – 10 GPM



## PUMP PERFORMANCE – 15 GPM



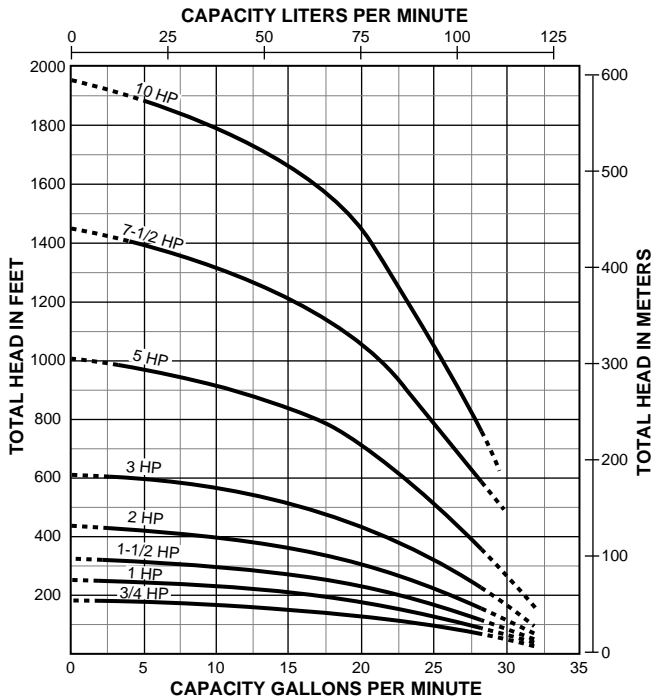
Tested and rated in accordance with Water Systems Council standards.

**NOTE:** Pumps installed with a PRO-Source™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

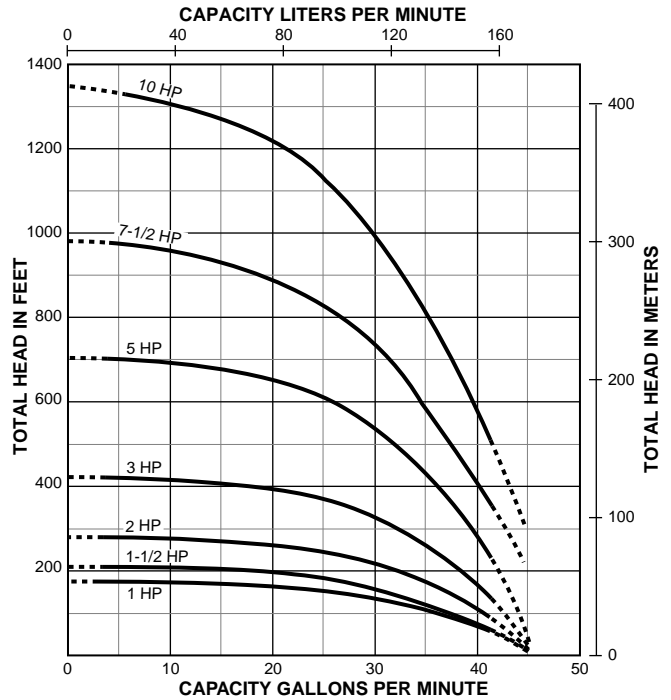


# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

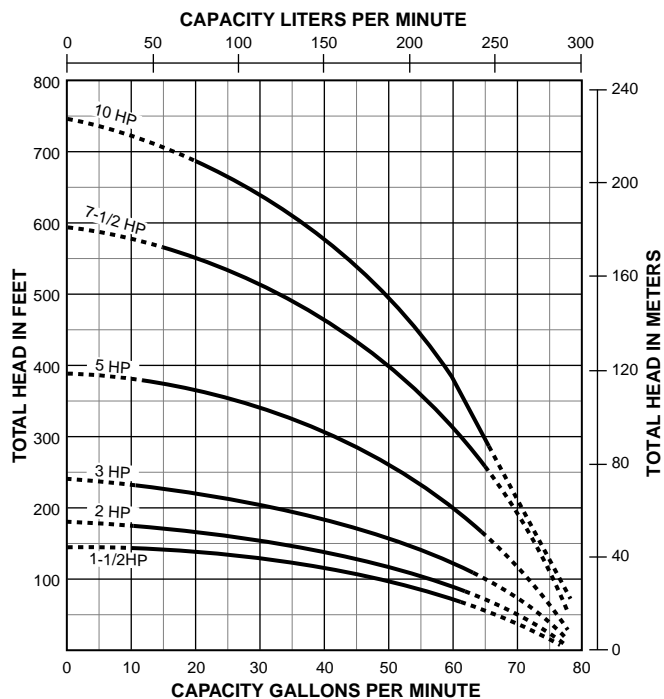
## PUMP PERFORMANCE – 20 GPM



## PUMP PERFORMANCE – 30 GPM



## PUMP PERFORMANCE – 50 GPM







# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

## PUMP PERFORMANCE (Capacity in Gallons Per Minute)

### 15 GALLONS PER MINUTE

HP	PSI	Pumping Depth in Feet																			Shutoff Head							
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	750	800	Feet	PSI				
1/2	0	—	21.5	20.0	18.7	16.9	13.1	7.4	0.2														175	76				
	20	19.7	18.3	16.3	13.0	8.8	1.5																					
	30	18.0	15.6	12.4	7.9	2.0																						
	40	15.2	11.9	7.0	1.3																							
	50	11.2	5.8	0.1																								
	60	4.8																										
3/4	0	—	22.5	21.2	20.2	19.3	17.8	16.0	13.2	9.6													245	106				
	20	20.9	19.9	19.0	17.7	16.4	13.7	10.0	4.9																			
	30	19.8	18.8	17.6	16.1	14.0	10.7	5.5	0.7																			
	40	18.6	17.5	15.9	13.5	10.9	6.0	0.8																				
	50	17.2	15.4	13.1	10.0	6.4	1.1																					
	60	15.0	12.7	9.7	5.5	1.8																						
1	0	—	—	22.1	21.8	20.4	19.4	18.4	17.2	15.5	10.3	2.7											318	138				
	20	21.9	20.9	20.2	19.3	18.7	17.5	15.8	13.4	10.9	3.2																	
	30	20.8	20.0	19.1	18.5	17.6	16.0	13.7	11.1	7.5																		
	40	19.8	19.0	18.3	17.4	16.2	13.9	11.3	8.1	3.7																		
	50	18.9	18.2	17.1	15.8	14.0	11.4	8.2	4.0	0.3																		
	60	18.0	17.0	15.6	13.7	11.7	8.4	4.4	0.6																			
1-1/2	0	—	—	—	22.1	21.4	20.5	19.9	19.3	18.4	16.4	13.1	8.3	2.8									420	182				
	20	—	21.8	21.2	20.5	20.0	19.3	18.6	17.6	16.5	13.5	9.1	3.2															
	30	21.7	21.1	20.3	19.9	19.3	18.7	17.7	16.6	15.4	11.7	6.3	0.1															
	40	21.0	20.2	19.8	19.2	18.7	17.9	16.7	15.5	13.7	9.4	3.6																
	50	20.2	19.7	19.2	18.6	18.0	16.8	15.6	13.8	11.9	6.7	0.5																
	60	19.6	19.0	18.5	17.7	16.9	15.7	13.9	12.0	9.7	3.8																	
2	0	—	—	—	—	22.1	21.3	20.7	20.2	19.6	18.3	16.9	14.4	11.6	7.4	2.7							525	227				
	20	—	22.5	21.9	21.2	20.9	20.2	19.7	19.1	18.4	17.0	14.7	11.8	7.8	3.2													
	30	22.4	21.8	21.2	20.8	20.3	19.7	19.1	18.5	17.9	16.1	13.5	10.2	5.5	0.8													
	40	21.7	21.1	20.6	20.2	19.8	19.2	18.6	17.9	17.1	14.9	12.0	8.1	3.4														
	50	21.1	20.6	20.1	19.7	19.2	18.6	17.9	17.1	16.2	13.6	10.8	6.0	1.1														
	60	20.5	20.1	19.6	19.1	18.7	18.0	17.2	16.2	15.1	12.2	8.6	3.7															
3	0	—	—	—	—	—	—	22.0	21.6	21.0	20.2	19.5	18.7	17.8	16.6	15.0	13.0	10.8	8.0	4.9	1.6	1.6	770	333				
	20	—	—	—	—	22.0	21.7	21.1	20.8	20.3	19.5	18.8	17.9	16.7	15.1	13.2	11.1	8.3	5.2	1.9	1.4							
	30	—	—	22.5	22.0	21.7	21.2	20.8	20.3	19.9	19.2	18.3	17.4	16.1	14.3	12.2	10.4	7.0	3.5	3.6	0.4							
	40	—	22.4	21.9	21.6	21.2	20.9	20.4	19.9	19.6	18.8	18.0	16.8	15.2	13.4	11.2	8.4	5.4	2.1									
	50	22.3	21.9	21.6	21.1	20.9	20.4	20.0	19.7	19.2	18.4	17.5	16.2	14.4	12.3	10.5	7.1	3.8	0.6									
	60	21.8	21.4	21.1	20.8	20.5	20.0	19.7	19.3	18.9	18.0	16.9	15.3	13.5	11.4	8.8	5.5	2.4										

**CAUTION: DO NOT** use pump at flow rates indicated by the symbol ‘—’. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

**NOTE:** Pumps installed with a PRO-Source™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.







# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

## PUMP PERFORMANCE (Capacity in Gallons Per Minute)

### 30 GALLONS PER MINUTE

HP	PSI	Pumping Depth in Feet																		Shutoff Head				
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	Feet	PSI		
1	0	44.0	42.5	40.9	39.1	36.8	32.5	26.0	8.0												175	76		
	20	40.4	38.8	36.0	32.4	27.7	13.3																	
	30	38.0	35.3	31.7	26.3	14.3																		
	40	35.0	31.4	25.9	12.1																			
	50	30.2	24.0	3.0																				
	60	21.9																						
1-1/2	0	44.2	43.1	41.9	39.9	37.5	34.1	30.9	26.9	17.0											210	91		
	20	41.2	39.1	36.5	34.0	31.5	27.8	21.5																
	30	38.9	36.1	33.8	31.0	27.9	21.8																	
	40	36.0	33.5	30.8	27.7	20.2																		
	50	32.9	30.1	26.8	21.5																			
	60	29.5	25.9	18.1																				
2	0	44.9	43.9	43.0	41.8	40.5	38.8	36.8	34.7	31.6	23.7										280	121		
	20	42.7	41.3	40.1	38.7	37.1	34.9	32.1	29.0	24.8														
	30	41.2	40.0	38.5	37.0	35.0	32.2	29.1	24.9	15.2														
	40	39.9	38.3	36.6	34.8	32.7	29.8	25.1	16.1															
	50	38.0	36.3	34.5	32.1	30.0	25.3	17.5																
	60	36.0	34.0	31.9	29.1	26.0	18.0																	
3	0	45.0	44.5	44.0	43.2	42.7	41.6	40.1	39.6	38.2	35.5	32.0	27.3								420	182		
	20	43.8	43.0	42.4	41.5	41.0	39.8	38.5	37.1	35.7	32.1	28.0	18.5											
	30	42.9	42.2	41.3	40.6	39.9	38.7	37.2	35.8	34.2	30.3	24.9	6.0											
	40	42.1	41.2	40.4	39.7	38.8	37.3	35.9	34.5	32.6	28.3	19.9												
	50	41.1	40.3	39.5	38.5	37.4	36.0	34.6	32.7	31.0	25.2	9.5												
	60	40.2	39.3	38.3	37.2	36.1	34.7	32.8	31.0	28.5	20.5													
5	0	—	—	—	44.3	44.0	43.5	43.0	42.6	42.0	40.7	39.2	38.0	36.0	34.2	31.9	29.2	26.0	20.0		705	305		
	20	—	44.1	44.0	43.4	43.1	42.7	42.0	41.3	40.8	39.3	38.2	36.2	34.4	32.4	30.0	26.1	21.5						
	30	44.1	43.9	43.4	43.0	42.8	42.1	41.4	40.8	40.1	38.7	37.0	35.1	33.1	31.1	26.0	24.1	16.0						
	40	43.8	43.4	43.0	42.7	42.1	41.5	40.9	40.2	39.3	37.9	36.1	34.3	32.0	29.4	26.2	20.4							
	50	43.3	43.0	42.6	42.0	41.5	41.2	40.2	39.5	38.8	37.1	35.4	33.2	31.2	28.8	24.5	16.0							
	60	42.9	42.5	42.0	41.4	41.1	40.3	39.8	38.9	38.1	36.2	34.2	32.1	30.0	26.7	22.0								
7-1/2	0	—	43.2	40.4	37.6	34.8	32.0	28.1	20.0												975	422		
	20	44.6	42.0	39.3	36.5	33.8	30.5	25.5	13.8															
30	44.2	41.3	38.6	35.8	33.1	29.8	23.3	6.5																
40	43.6	40.7	38.1	35.6	32.6	29.3	21.7																	
50	42.7	40.1	37.3	34.6	31.7	27.4	19.3																	
60	42.0	39.4	36.5	33.7	30.7	25.1	13.9																	
10	0	—	44.7	43.1	41.3	39.5	37.3	35.1	33.1	30.4	27.1	22.5	11.9								1345	582		
	20	—	44.2	42.3	40.5	38.6	36.4	34.5	31.8	29.2	25.3	18.7												
	30	—	43.7	42.0	40.1	43.0	35.7	33.7	31.3	28.4	24.2	16.3												
	40	44.9	43.3	41.6	39.7	37.7	35.5	33.5	30.9	27.7	23.4	14.4												
	50	44.6	42.7	41.0	39.3	37.1	34.9	32.8	30.2	26.7	21.7	7.7												
	60	44.3	42.3	40.6	38.7	36.5	34.5	32.3	29.5	25.7	20.1	5.0												

**CAUTION: DO NOT** use pump at flow rates indicated by the symbol ‘—’. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions. Tested and rated in accordance with Water Systems Council Standards.

**NOTE:** Pumps installed with a PRO-Source™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.



# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

## PUMP PERFORMANCE (Capacity in Gallons Per Minute)

### 50 GALLONS PER MINUTE

HP	PSI	Pumping Depth in Feet																Shutoff Head	
		20	40	60	80	100	125	150	175	200	250	300	350	450	550	650	700	Feet	PSI
1-1/2	0	—	71.0	65.1	58.2	49.3	33.5											145	63
	20	63.5	55.9	46.5	32.5														
	30	54.8	45.0	30.0															
	40	43.3	26.9																
	50	21.9																	
	60																		
2	0	—	72.6	68.0	63.3	57.0	47.8	33.9										180	78
	20	66.5	62.2	55.1	46.8	37.1	13.0												
	30	61.1	53.6	46.0	34.3	14.1													
	40	52.8	45.0	32.5	11.0														
	50	42.7	27.9																
	60	25.2																	
3	0	—	75.5	71.5	68.0	64.5	59.4	52.5	45.0	33.8								235	102
	20	70.5	66.9	63.7	59.0	53.5	46.5	36.2	18.2										
	30	66.1	62.9	58.1	53.0	47.0	37.0	20.5											
	40	62.5	57.6	52.0	46.2	38.8	22.1												
	50	56.5	51.0	44.7	36.2	22.8													
	60	50.0	43.7	34.0	20.5														
5	0	—	—	75.8	73.9	71.1	68.9	65.9	63.2	59.9	51.9	41.9	22.5					385	166
	20	75.0	72.9	70.3	68.2	66.1	63.5	60.8	56.1	52.4	42.5	24.9							
	30	72.4	70.1	68.0	66.0	63.8	60.9	56.9	53.0	47.9	35.5	12.9							
	40	69.9	67.9	65.5	63.2	61.0	57.0	53.2	48.0	43.5	27.0								
	50	67.2	65.1	63.0	60.8	57.1	53.3	48.1	43.6	36.4	14.2								
	60	64.9	62.4	60.0	56.9	53.7	48.7	44.1	37.5	28.0									
7-1/2	0	—	—	—	—	75.2	73.5	71.3	69.8	68.0	66.0	61.0	55.3	43.1	20.0			595	257
	20	—	—	74.8	73.4	71.8	70.0	68.3	66.5	64.8	61.1	56.0	50.0	34.9					
	30	—	74.4	73.2	71.5	70.1	68.8	66.7	64.9	63.3	58.7	53.2	47.2	28.8					
	40	74.1	72.9	71.2	69.9	68.9	66.8	65.0	63.6	61.7	56.2	50.9	44.1	22.0					
	50	72.6	71.1	69.8	68.3	66.9	65.1	63.7	61.8	58.9	53.9	47.5	41.0	13.2					
	60	71.0	69.3	68.1	66.7	65.2	63.8	61.9	59.0	56.5	51.1	44.9	36.0						
10	0	—	—	—	—	75.3	73.8	72.2	70.8	67.9	65.0	62.1	54.2	44.7	29.0	15.2		745	322
	20	—	—	—	75.2	74.0	72.4	71.0	69.6	68.1	65.5	62.5	59.1	50.1	39.2	17.1			
	30	—	—	75.0	73.9	72.6	71.1	69.7	68.2	66.9	64.1	61.2	56.9	47.5	35.0	10.5			
	40	—	74.9	73.7	72.3	71.2	69.8	68.3	67.0	65.8	63.0	59.3	54.9	45.2	30.5				
	50	74.7	73.5	72.1	71.0	69.9	68.4	67.1	65.9	64.2	61.5	57.2	53.0	42.9	25.0				
	60	73.2	72.0	70.9	69.7	68.5	67.2	66.0	64.3	63.2	59.9	55.0	51.0	40.6	19.7				

**CAUTION: DO NOT** use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

**NOTE:** Pumps installed with a PRO-Source™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

