



# 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 patented SignaSeal™ staging system.*

### APPLICATIONS

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

### SPECIFICATIONS

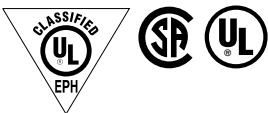
- Shell** – Stainless steel
- Diameter** – 3-7/8"
- Discharge** – Stainless steel
- Discharge Bearing** – Nylatron®
- Intermediate Bearing** – (On larger units) Polycarbonate, nitrile rubber and stainless steel
- Impellers** – Acetal
- Diffusers** – Polycarbonate
- Suction Caps** – Polycarbonate with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

## MGS STAINLESS STEEL

### FEATURES

- Patented 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 Flomatic® 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-proof.
- Franklin Electric Motor** – 2 and 3 wire NEMA standard super stainless series water-filled motors.

UL Classified to ANSI/NSF Standard 61, Drinking Water Systems Components – Health Effects



Berkeley® is a registered trademark with the U.S. Trademark Office. Flomatic® is a registered trademark of Flomatic Corporation. Nylatron® is a registered trademark of Polymer Corp. 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*	Weight Pounds*	Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Weight Pounds*	Catalog Number	Weight Pounds*		
10**	2 Wire	1/2	6	1	115	10SP4C01MGS	22	27	L10P4CMGS	12	8-1/2	P218-1079C	22				
		1/2	6	1	230	10SP4C02MGS	22	27	L10P4CMGS	12	8-1/2	P218-1080C	22				
		3/4	8	1	230	10SP4D02MGS	25	30	L10P4DMGS	13-3/4	9-1/2	P218-1081C	26				
		1	11	1	230	10SP4E02MGS	28	34	L10P4EMGS	15-1/2	10-1/4	P218-1082C	29				
		1-1/2	15	1	230	10SP4F02MGS	34	41	L10P4FMGS	19	12	P218-1327C	39				
	3 Wire	1/2	6	1	115	10P4C01MGS	22	27	L10P4CMGS	12	8-1/2	P218-1072C	21	P217-809	3		
		1/2	6	1	230	10P4C02MGS	22	27	L10P4CMGS	12	8-1/2	P218-1073C	21	P217-810	3		
		3/4	8	1	230	10P4D02MGS	25	30	L10P4DMGS	13-3/4	9-1/2	P218-1074C	25	P217-811	3		
		1	11	1	230	10P4E02MGS	28	34	L10P4EMGS	15-1/2	10-1/4	P218-1075C	28	P217-812	3		
		1-1/2	15	1	230	10P4F02MGS	32-3/4	41	L10P4FMGS	19	12	P218-1076C	31	P217-813	6		
		1-1/2	15	3	230				L10P4FMGS	19	12	P218-1330C	33	1095-K41	6		
		1-1/2	15	3	460				L10P4FMGS	19	12	P218-1279C	33	1096-K33	6		
		1-1/2	15	3	575				L10P4FMGS	19	12	S40043	33	****	—		
		2	19	1	230				L10P4GMGS	21-1/2	13-1/2	P218-1328C	43	P217-814	8		
		2	19	3	230				L10P4GMGS	21-1/2	13-1/2	P218-1331C	47	1095-K43	6		
		2	19	3	460				L10P4GMGS	21-1/2	13-1/2	P218-1274C	47	1096-K33	6		
		2	19	3	575				L10P4GMGS	21-1/2	13-1/2	S30742	33	****	—		
		3	26	1	230				L10P4HMGS	27-1/2	16-1/2	P218-1450C	47	****	—		
		3	26	3	230				L10P4HMGS	27-1/2	16-1/2	P218-1441C	53	1095-K52	6		
		3	26	3	460				L10P4HMGS	27-1/2	16-1/2	P218-1452C	53	1096-K37	6		
		3	26	3	575				L10P4HMGS	27-1/2	16-1/2	S30744	53	****	—		
		5	43	1	230				L10P4JMGS	42-3/4	25	P218-1329C	67	P217-910	10		
		5	43	3	230				L10P4JMGS	42-3/4	25	P218-1333C	67	1095-K61	6		
		5	43	3	460				L10P4JMGS	42-3/4	25	P218-1278C	67	1096-K49	6		
		5	43	3	575				L10P4JMGS	42-3/4	25	S30746	67	****	—		
		15**	2 Wire	1/2	5	1	115	15SP4C01MGS	22-1/4	27	L15P4CMGS	12-1/4	9	P218-1079C	22		
				1/2	5	1	230	15SP4C02MGS	22-1/4	27	L15P4CMGS	12-1/4	9	P218-1080C	22		
				3/4	7	1	230	15SP4D02MGS	25-3/4	31	L15P4DMGS	14-1/2	10	P218-1081C	26		
1	9			1	230	15SP4E02MGS	29-1/4	35	L15P4EMGS	16-3/4	11	P218-1082C	29				
1-1/2	12			1	230	15SP4F02MGS	35-1/4	43	L15P4FMGS	20-1/4	13	P218-1327C	39				
3 Wire	1/2		5	1	115	15P4C01MGS	22-1/4	27	L15P4CMGS	12-1/4	9	P218-1072C	21	P217-809	3		
	1/2		5	1	230	15P4C02MGS	22-1/4	27	L15P4CMGS	12-1/4	9	P218-1073C	21	P217-810	3		
	3/4		7	1	230	15P4D02MGS	25-3/4	31	L15P4DMGS	14-1/2	10	P218-1074C	25	P217-811	3		
	1		9	1	230	15P4E02MGS	29-1/4	35	L15P4EMGS	16-3/4	11	P218-1075C	28	P217-812	3		
	1-1/2		12	1	230	15P4F02MGS	33-3/4	41	L15P4FMGS	20-1/4	13	P218-1076C	31	P217-813	6		
	1-1/2		12	3	230				L15P4FMGS	20-1/4	13	P218-1330C	33	1095-K41	6		
	1-1/2		12	3	460				L15P4FMGS	20-1/4	13	P218-1279C	33	1096-K33	6		
	1-1/2		12	3	575				L15P4FMGS	20-1/4	13	S40043	33	****	6		
	2		15	1	230				L15P4GMGS	23-1/2	15	P218-1328C	43	P217-814	8		
	2		15	3	230				L15P4GMGS	23-1/2	15	P218-1331C	47	1095-K43	6		
	2		15	3	460				L15P4GMGS	23-1/2	15	P218-1274C	47	1096-K33	6		
	2		15	3	575				L15P4GMGS	23-1/2	15	S30742	47	****	6		
	3		22	1	230				L15P4HMGS	31-1/4	18	P218-1450C	53	P217-815	9		
	3		22	3	230				L15P4HMGS	31-1/4	18	P218-1441C	53	1095-K52	6		
	3		22	3	460				L15P4HMGS	31-1/4	18	P218-1452C	53	1096-K37	6		
	3		22	3	575				L15P4HMGS	31-1/4	18	S30744	53	****	6		

\* 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. \*\*\*\*Consult Factory.

**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*	Weight Pounds*	Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Weight Pounds*	Catalog Number	Weight Pounds*			
20**	2 Wire	3/4	5	1	230	20SP4D02MGS	23-3/4	30	L20P4DMGS	12-1/2	8-1/2	P218-1081C	26					
		1	7	1	230	20SP4E02MGS	27-1/4	34	L20P4EMGS	14-3/4	9-3/4	P218-1082C	29					
		1-1/2	9	1	230	20SP4F02MGS	32	39	L20P4FMGS	16-3/4	10-3/4	P218-1327C	39					
	3 Wire	20**	3/4	5	1	230	20P4D02MGS	23-3/4	30	L20P4DMGS	12-1/2	8-1/2	P218-1074C	25	P217-811	3		
			1	7	1	230	20P4E02MGS	27-1/4	34	L20P4EMGS	14-3/4	9-3/4	P218-1075C	28	P217-812	3		
			1-1/2	9	1	230	20P4F02MGS	30-1/2	39	L20P4FMGS	16-3/4	10-3/4	P218-1076C	31	P217-813	6		
		3 Wire	1-1/2	9	3	230				L20P4FMGS	16-3/4	10-3/4	P218-1330C	33	1095-K41	6		
			1-1/2	9	3	460				L20P4FMGS	16-3/4	10-3/4	P218-1279C	33	1096-K33	6		
			1-1/2	9	3	575				L20P4FMGS	16-3/4	10-3/4	S40043	33	****	—		
			2	12	1	230				L20P4GMGS	20-1/4	12-1/2	P218-1328C	43	P217-814	8		
			2	12	3	230				L20P4GMGS	20-1/4	12-1/2	P218-1331C	47	1095-K43	6		
			2	12	3	460				L20P4GMGS	20-1/4	12-1/2	P218-1274C	47	1096-K33	6		
			2	12	3	575				L20P4GMGS	20-1/4	12-1/2	S30742	47	****	—		
			3	17	1	230				L20P4HMGS	25-3/4	15	P218-1450C	53	P217-815	9		
			3	17	3	230				L20P4HMGS	25-3/4	15	P218-1441C	53	1095-K52	6		
			3	17	3	460				L20P4HMGS	25-3/4	15	P218-1452C	53	1096-K37	6		
			3	17	3	575				L20P4HMGS	25-3/4	15	S30744	53	****	—		
			5	28	1	230				L20P4JMGS	38	21	P218-1329C	67	P217-910	10		
			5	28	3	230				L20P4JMGS	38	21	P218-1333C	67	1095-K61	6		
			5	28	3	460				L20P4JMGS	38	21	P218-1278C	67	1096-K49	6		
			5	28	3	575				L20P4JMGS	38	21	S30746	67	****	—		
			7-1/2	40	3	230				L20P4KMGS	53-3/4	30	P218-937C	69	1095-K67	6		
			7-1/2	40	3	460				L20P4KMGS	53-3/4	30	P218-1321C	69	1096-K55	6		
			7-1/2	40	3	575				L20P4KMGS	53-3/4	30	P218-1446C	69	****	—		
			10	54	3	460				L20P4LMGS	71	41	P218-982C	80	1100-K58	6		
			10	54	3	575				L20P4LMGS	71	41	P218-1447C	80	****	—		
			30***	2 Wire	1	5	1	230	30SP4E02MGS	26-1/2	35	L30P4EMGS	14	9-3/4	P218-1082C	29		
					1-1/2	6	1	230	30SP4F02MGS	30-1/2	39	L30P4FMGS	15-1/4	10-3/4	P218-1327C	39		
1-1/2	6	3			230	30P4E02MGS	26-1/2	35	L30P4EMGS	14	10	P218-1075C	28	P217-812	3			
3 Wire	30***	1-1/2		6	1	230	30P4F02MGS	29	39	L30P4FMGS	15-1/4	11	P218-1076C	31	P217-813	6		
		1-1/2		6	3	230				L30P4FMGS	15-1/4	11	P218-1076C	31	P217-813	6		
		1-1/2		6	3	460				L30P4FMGS	15-1/4	11	P218-1330C	33	1095-K41	6		
	3 Wire	1-1/2		6	3	460				L30P4FMGS	15-1/4	11	P218-1279C	33	1096-K33	6		
		1-1/2		6	3	575				L30P4FMGS	15-1/4	11	P218-1279C	33	1096-K33	6		
		2		8	1	230				L30P4FMGS	15-1/4	11	S40043	33	****	—		
		2		8	3	230				L30P4GMGS	18-1/4	12	P218-1328C	43	P217-814	8		
		2		8	3	460				L30P4GMGS	18-1/4	12	P218-1331C	47	1095-K43	6		
		2		8	3	460				L30P4GMGS	18-1/4	12	P218-1274C	47	1096-K33	6		
		2		8	3	575				L30P4GMGS	18-1/4	12	S30742	47	****	—		
		3		12	1	230				L30P4HMGS	24	15	P218-1450C	53	P217-815	9		
		3		12	3	230				L30P4HMGS	24	15	P218-1441C	53	1095-K52	6		
		3		12	3	460				L30P4HMGS	24	15	P218-1452C	53	1096-K37	6		
		3		12	3	575				L30P4HMGS	24	15	S30744	53	****	—		
		5		20	1	230				L30P4JMGS	35-3/4	20	P218-1329C	67	P217-910	10		
		5		20	3	230				L30P4JMGS	35-3/4	20	P218-1333C	67	1095-K61	6		
		5		20	3	460				L30P4JMGS	35-3/4	20	P218-1278C	67	1096-K49	6		
		5		20	3	575				L30P4JMGS	35-3/4	20	S30746	67	****	—		
		7-1/2		28	3	230				L30P4KMGS	50	27	P218-937C	69	1095-K67	6		
		7-1/2		28	3	460				L30P4KMGS	50	27	P218-1321C	69	1096-K55	6		
		7-1/2		28	3	575				L30P4KMGS	50	27	P218-1446C	69	****	—		
		10		38	3	460				L30P4LMGS	65-1/2	35	P218-982C	80	1100-K58	6		
		10		38	3	575				L30P4LMGS	65-1/2	35	P218-1447C	80	****	—		

\* 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. \*\*\*\*Consult Factory.  
**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

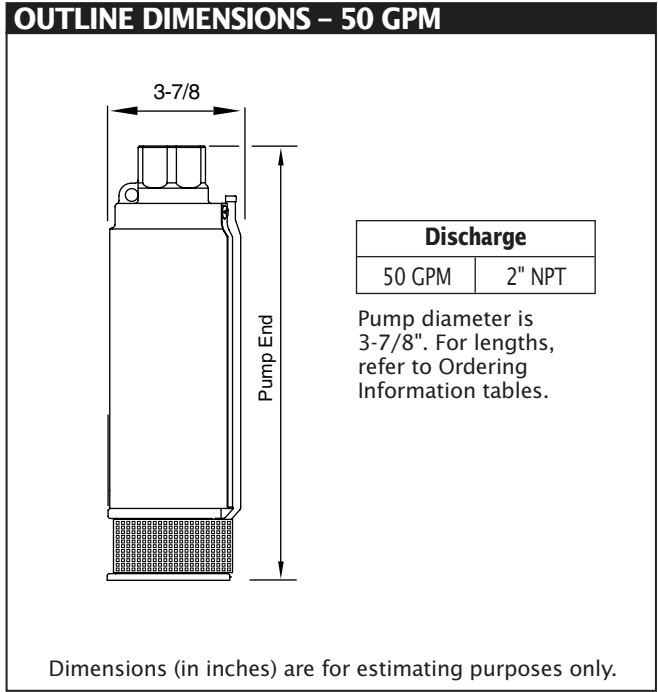
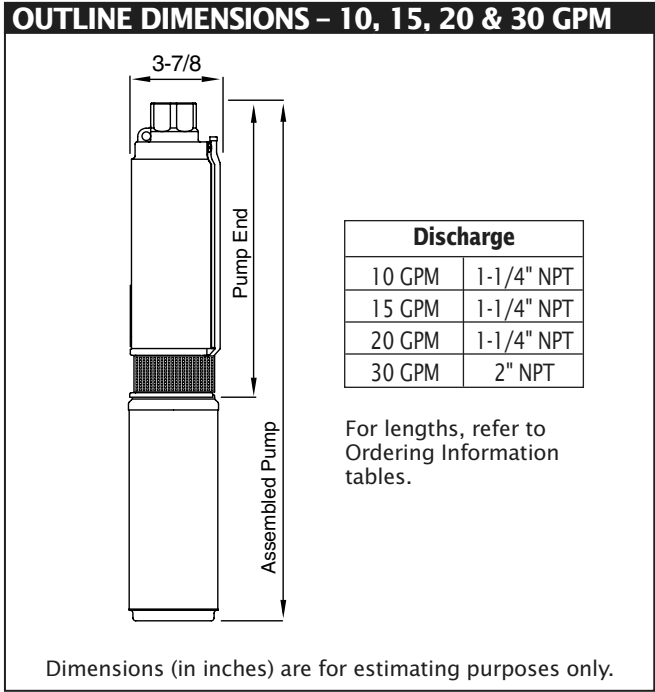
GPM	Motor Type	HP	Stgs.	PH	Volt	Pump End			Motor		Control Box	
						Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Weight Pounds*	Catalog Number	Weight Pounds*
50***	2 Wire	1-1/2	4	1	230	L50P4FMGS	15-1/4	10	P218-1327C	39		
	3 Wire	1-1/2	4	1	230	L50P4FMGS	15-1/4	10	P218-1076C	31	P217-813	6
		1-1/2	4	3	230	L50P4FMGS	15-1/4	10	P218-1330C	33	1095-K41	6
		1-1/2	4	3	460	L50P4FMGS	15-1/4	10	P218-1279C	33	1096-K33	6
		1-1/2	4	3	575	L50P4FMGS	15-1/4	10	S40043	43	****	—
		2	6	1	230	L50P4GMGS	19-1/4	12	P218-1328	43	P217-814	6
		2	6	3	230	L50P4GMGS	19-1/4	12	P218-1331C	47	1095-K43	6
		2	6	3	460	L50P4GMGS	19-1/4	12	P218-1274C	47	1096-K33	6
		2	6	3	575	L50P4GMGS	19-1/4	12	S30742	47	****	—
		3	8	1	230	L50P4HMGS	23-1/4	15	P218-1450C	53	P217-815	9
		3	8	3	230	L50P4HMGS	23-1/4	15	P218-1441C	53	1095-K52	6
		3	8	3	460	L50P4HMGS	23-1/4	15	P218-1452C	53	1096-K37	6
		3	8	3	575	L50P4HMGS	23-1/4	15	S30744	53	****	—
		5	13	1	230	L50P4JMGS	33-1/2	20	P218-1329C	67	P217-910	10
		5	13	3	230	L50P4JMGS	33-1/2	20	P218-1333C	67	1095-K61	6
		5	13	3	460	L50P4JMGS	33-1/2	20	P218-1278C	67	1096-K49	6
		5	13	3	575	L50P4JMGS	33-1/2	20	S30746	67	****	—
		7-1/2	20	3	230	L50P4KMGS	47-1/2	25	P218-937C	69	1095-K67	6
		7-1/2	20	3	460	L50P4KMGS	47-1/2	25	P218-1321C	69	1096-K55	6
		7-1/2	20	3	575	L50P4KMGS	47-1/2	25	P218-1446C	67	****	—
10	25	3	460	L50P4LMGS	57-3/4	35	P218-982C	80	1096-K58	6		
10	25	3	575	L50P4LMGS	57-3/4	35	P218-1447C	80	****	—		

- \* 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.
- \*\*\*\* Consult Factory.

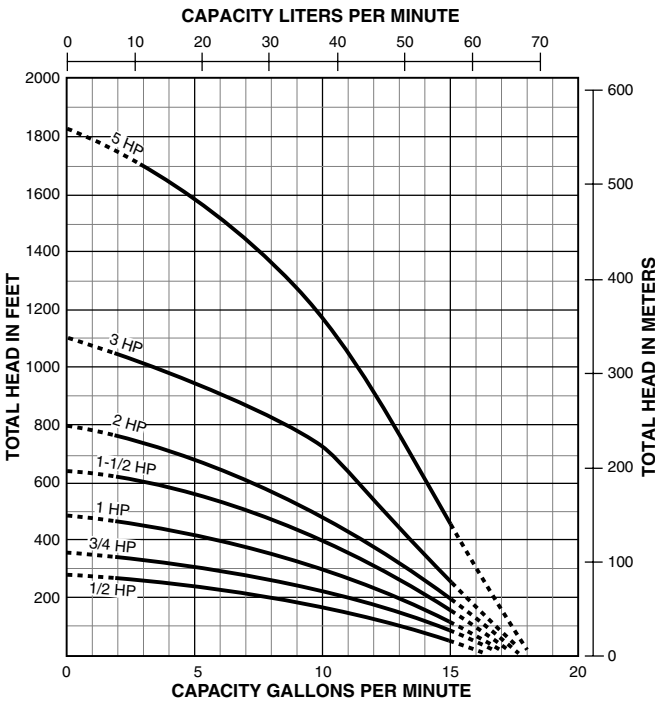
**NOTE:** Pump, Motor, Control Box or Magnetic Starter must be ordered separately.  
 †Check Valve not included on 50 GPM models.



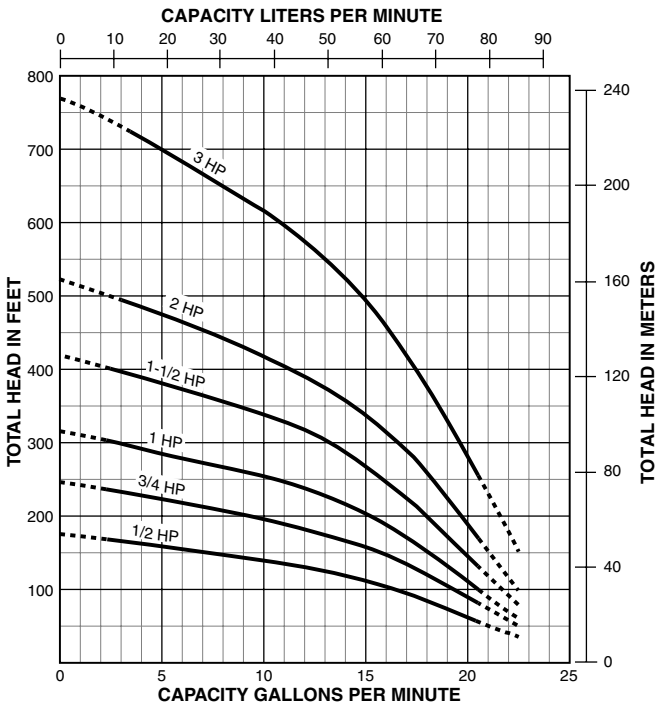
# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm



### PUMP PERFORMANCE – 10 GPM



### PUMP PERFORMANCE – 15 GPM



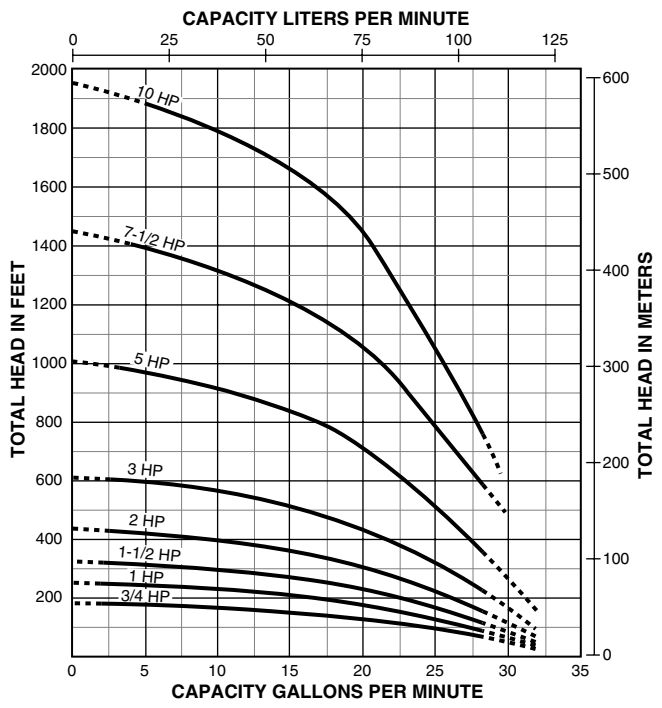
Tested and rated in accordance with Water Systems Council standards.

**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.

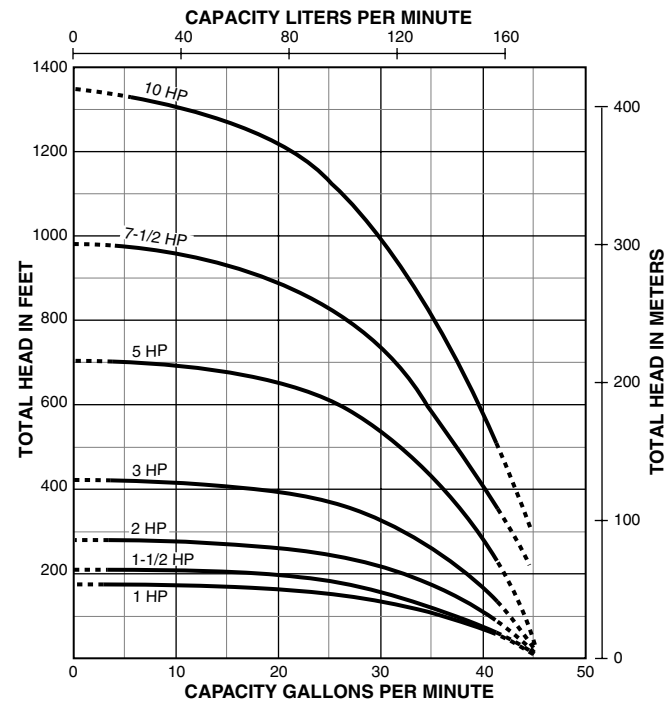


# 4" submersible pumps – 10, 15, 20, 30, and 50 gpm

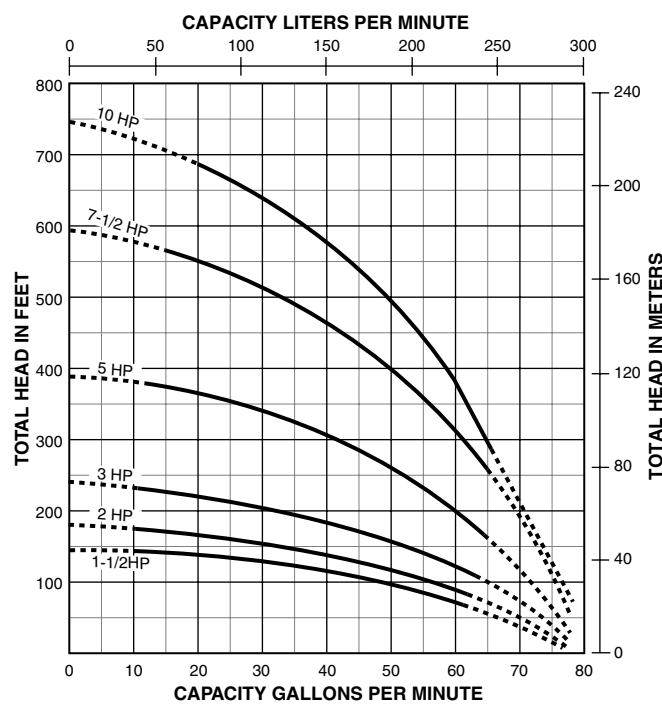
## PUMP PERFORMANCE – 20 GPM



## 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)																															
10 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	850	900	950	1000	Feet	PSI			
1/2	0	—	—	14.1	13.5	12.8	12.0	10.8	9.5	7.4	4.7																255	110			
	20	14.0	13.3	12.7	12.0	11.0	9.6	7.8	5.2	1.4																					
	30	13.2	12.6	11.8	10.9	9.8	8.0	5.5	1.7																						
	40	12.4	11.7	10.8	9.7	8.2	8.8	2.0																							
	50	11.5	10.5	9.4	7.8	5.8	2.2																								
	60	10.4	9.2	7.5	5.4	2.8																									
3/4	0	—	—	—	14.8	14.4	13.8	13.0	12.0	11.0	8.4	4.7															340	147			
	20	—	14.7	14.3	13.7	13.0	12.2	11.2	9.9	8.6	5.0																				
	30	14.4	14.2	13.7	13.0	12.3	11.2	10.0	8.8	7.2	3.0																				
	40	14.2	13.5	12.9	12.1	11.3	10.2	8.9	7.4	5.3																					
	50	13.4	12.7	12.0	11.0	10.2	8.9	7.4	5.5	3.2																					
	60	12.6	11.9	11.0	10.0	9.1	7.5	5.7	4.4	1.4																					
1	0	—	—	—	—	14.9	14.4	13.8	13.3	12.8	11.5	10.1	8.2	5.8	2.1												467	202			
	20	—	—	14.7	14.4	14.0	13.4	12.9	12.3	11.7	10.2	8.3	6.0	2.6																	
	30	—	14.7	14.4	13.8	13.4	12.9	12.3	11.7	11.0	9.4	7.4	4.6																		
	40	14.6	14.2	13.8	13.3	13.0	12.5	11.8	11.1	10.3	8.5	6.2	3.0																		
	50	14.1	13.7	13.3	12.9	12.4	11.8	11.1	10.2	9.5	7.4	4.8																			
	60	13.7	13.2	12.8	12.4	11.9	11.2	10.3	9.5	8.7	6.3	3.2																			
1-1/2	0	—	—	—	—	—	14.7	14.4	14.0	13.2	12.2	11.2	10.1	8.6	7.1	5.2	2.5										636	275			
	20	—	—	—	—	14.8	14.4	14.0	13.6	13.2	12.4	11.3	10.2	8.7	7.3	5.3	2.8														
	30	—	—	—	14.7	14.4	14.0	13.6	13.2	12.8	11.9	10.7	9.6	8.1	6.4	4.4															
	40	—	15.0	14.7	14.4	14.1	13.7	13.3	12.8	12.4	11.4	10.2	8.9	7.3	5.5	3.0															
	50	14.9	14.6	14.3	14.0	13.6	13.2	12.8	12.4	12.0	10.8	9.7	8.2	6.5	4.5																
	60	14.5	14.3	14.0	13.6	13.3	12.8	12.4	12.0	11.5	10.2	9.0	7.5	5.6	3.3																
2	0	—	—	—	—	—	—	14.9	14.6	14.0	13.3	12.7	12.0	11.1	10.2	9.2	8.0	6.6	5.1	3.1							806	349			
	20	—	—	—	—	—	14.9	14.6	14.4	14.0	13.4	12.7	12.0	11.1	10.2	9.2	8.0	6.6	5.1	3.1											
	30	—	—	—	—	15.0	14.7	14.4	14.0	13.8	13.1	12.4	11.7	10.7	9.8	8.8	7.5	6.1	4.5	2.0											
	40	—	—	—	14.9	14.6	14.4	14.2	13.8	13.3	12.8	12.1	11.3	10.2	9.2	8.0	6.6	5.1	3.1												
	50	—	—	14.9	14.6	14.4	14.1	13.8	13.4	13.1	12.4	11.6	10.8	9.8	8.8	7.6	6.1	4.7	2.2												
	60	15.1	14.9	14.6	14.4	14.1	13.8	13.4	13.1	12.8	12.1	11.3	10.3	9.5	8.3	6.9	5.3	3.7													
3	0	—	—	—	—	—	—	—	—	—	—	14.7	14.3	13.8	13.3	12.8	12.3	11.8	11.0	10.2	9.5	8.7	7.6	6.4	5.3	4.1	1100	476			
	20	—	—	—	—	—	—	—	—	15.2	14.7	14.3	13.8	13.3	12.8	12.3	11.8	11.0	10.2	9.5	8.7	7.6	6.4	5.3	4.1						
	30	—	—	—	—	—	—	—	14.7	15.0	14.5	14.1	13.6	13.1	12.6	12.1	11.4	10.7	10.0	9.2	8.2	7.1	6.0	4.9	3.3						
	40	—	—	—	—	—	15.2	15.0	14.7	14.3	13.8	13.3	12.8	12.3	11.8	11.0	10.2	9.5	8.7	7.6	6.4	5.3	4.1								
	50	—	—	—	—	—	15.3	15.0	14.8	14.6	14.1	13.7	13.2	12.7	12.2	11.7	10.9	10.1	9.4	8.6	7.5	6.2	5.0	3.9							
	60	—	—	—	—	15.3	15.0	14.8	14.6	14.4	13.9	13.4	12.9	12.4	11.9	11.2	10.4	9.7	8.8	7.9	6.6	5.5	4.3								
HP	PSI	Pumping Depth in Feet																	Shutoff Head												
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	Feet	PSI												
5	0	—	—	—	15.3	14.6	14.2	13.5	12.9	12.3	11.6	10.8	9.9	8.9	7.7	6.3	4.9	2.9									1824	745			
	20	—	—	—	15.0	14.5	13.9	13.3	12.7	12.1	11.2	10.3	9.4	8.5	7.1	5.6	4.1														
	30	—	—	—	14.9	14.3	13.8	13.1	12.5	11.9	11.1	10.2	9.2	8.2	6.7	5.2	3.7														
	40	—	—	—	14.7	14.2	13.5	12.9	12.3	11.6	10.8	9.9	8.9	7.7	6.3	4.9	2.9														
	50	—	—	—	14.6	14.1	13.4	12.8	12.2	11.5	10.7	9.8	8.8	7.5	6.1	4.7	2.7														
	60	—	15.0	14.5	13.9	13.3	12.7	12.1	11.2	10.3	9.4	8.5	7.1	5.6	4.1																

**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)																										
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)

20 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	850	900	950	1000	Feet	PSI			
3/4	0	—	—	29.2	26.9	23.5	19.0	13.7	1.8																		180	78			
	20	28.5	25.8	22.5	18.5	14.5	3.4																								
	30	25.2	22.0	18.3	13.9	4.5																									
	40	21.3	17.6	13.0	3.0																										
	50	17.2	11.4	1.8																											
	60	10.2																													
1	0	—	—	31.0	29.6	28.0	25.3	22.4	18.8	15.5																	251	109			
	20	30.5	29.2	27.4	25.1	22.8	19.5	16.1	10.1																						
	30	28.8	27.2	24.9	22.5	19.8	16.5	10.6																							
	40	27.0	24.5	22.0	19.4	16.8	11.6	2.6																							
	50	24.2	21.5	19.0	16.3	12.5	3.3																								
	60	21.3	18.6	16.0	11.1	3.7																									
1-1/2	0	—	—	—	30.9	29.8	28.2	26.4	24.0	21.6	16.4	5.4															323	140			
	20	—	30.5	29.4	28.2	26.8	24.4	22.0	19.5	16.8	6.8																				
	30	30.3	29.3	28.0	26.5	24.7	22.2	19.6	17.1	13.9																					
	40	29.1	27.8	26.2	24.3	22.3	19.8	17.3	14.2	8.0																					
	50	27.5	26.0	24.1	22.1	20.0	17.5	14.5	8.3																						
	60	25.6	23.9	21.9	19.8	17.5	14.8	9.1	2.2																						
2	0	—	—	—	31.5	30.7	29.7	28.6	27.3	26.0	23.2	20.2	16.2	8.5													636	275			
	20	—	31.3	30.5	29.7	28.8	27.5	26.1	24.9	23.4	20.6	16.7	9.5																		
	30	31.1	30.3	29.5	28.7	27.6	26.2	25.0	23.5	22.1	19.1	13.8	4.8																		
	40	30.2	29.4	28.5	27.5	26.4	25.1	23.7	22.2	20.8	17.2	10.1																			
	50	29.3	28.3	27.2	26.1	25.1	23.8	22.3	20.9	19.3	14.0	5.7																			
	60	28.1	27.1	26.0	25.0	23.9	22.4	21.0	19.4	17.3	10.8																				
3	0	—	—	—	—	31.9	31.1	30.6	29.7	29.0	27.2	25.3	23.5	21.3	19.1	16.0	11.3	3.6									806	349			
	20	—	—	31.7	31.1	30.7	29.9	29.1	28.3	27.3	25.4	23.6	21.6	19.3	16.1	12.0	5.0														
	30	—	32.0	31.0	30.6	29.9	29.2	28.5	27.4	26.6	24.8	22.7	20.6	18.1	14.5	9.0															
	40	31.6	31.0	30.5	29.8	29.2	28.6	27.5	26.7	25.5	23.8	21.7	19.6	16.8	12.5	5.3															
	50	30.9	30.0	29.7	29.1	28.6	27.6	26.7	25.6	24.9	22.8	20.8	18.5	15.0	9.5																
	60	30.3	29.6	29.1	28.5	27.7	26.8	25.7	24.9	23.9	21.8	19.8	16.9	12.7	5.6																
5	0	—	—	—	—	—	—	—	—	31.7	31.1	30.5	29.5	28.5	27.5	26.5	25.2	24.0	22.8	21.5	20.2	18.9	17.0	14.3	11.0	6.8	2.0	1100	476		
	20	—	—	—	—	—	31.7	31.2	30.9	30.6	29.5	28.6	27.6	26.6	25.3	24.1	22.9	21.6	20.3	19.0	17.3	14.0	11.2	7.3	2.6						
	30	—	—	—	—	31.8	31.3	30.9	30.7	30.0	29.0	28.0	27.1	26.0	24.9	23.5	22.2	21.0	19.9	18.2	16.2	13.3	9.5	5.2							
	40	—	—	—	31.7	31.4	31.0	30.7	30.0	29.6	28.7	27.7	26.7	25.4	24.2	22.9	21.7	20.4	19.1	17.5	14.4	11.5	7.7	3.1							
	50	—	32.0	31.7	31.2	31.0	30.8	30.0	29.6	29.1	28.1	27.2	26.0	25.0	23.6	22.3	21.1	20.0	18.4	16.3	13.5	9.9	5.7								
	60	31.9	31.6	31.2	30.9	30.8	30.1	29.7	29.1	28.8	27.8	26.8	25.5	24.3	23.0	21.8	20.5	19.2	17.7	14.9	12.0	8.0	3.7								
HP	PSI	Pumping Depth in Feet																Shutoff Head													
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	Feet	PSI													
7-1/2	0	—	—	—	—	28.7	27.3	25.7	24.3	23.1	21.5	19.9	16.4	11.3	4.1												1450	628			
	20	—	—	—	—	28.3	26.7	25.3	23.7	22.3	20.8	18.9	14.7	8.5	1.3																
	30	—	—	—	—	28.0	26.5	25.1	23.5	22.1	20.6	18.3	13.4	7.0																	
	40	—	—	—	29.2	27.5	26.3	24.7	23.3	21.7	20.2	17.3	12.1	5.3																	
	50	—	—	—	28.7	27.3	25.7	24.5	22.7	21.3	19.7	16.0	10.6	3.6																	
	60	—	—	—	28.4	26.9	25.5	24.3	22.5	21.0	19.3	15.1	9.5	2.1																	
10	0	—	—	—	—	—	—	—	—	28.0	26.8	25.7	24.7	23.7	22.6	21.6	20.7	19.5	17.1								1950	844			
	20	—	—	—	—	—	28.6	27.5	26.4	25.3	24.4	23.3	22.1	21.3	20.1	18.5	16.0														
	30	—	—	—	—	—	28.4	27.3	26.2	25.0	24.1	23.0	21.9	21.0	19.9	18.0	15.0														
	40	—	—	—	—	—	28.0	27.0	25.7	24.9	24.0	22.8	21.7	20.8	19.7	17.6	14.7														
	50	—	—	—	—	29.2	27.8	26.7	25.5	24.7	23.6	22.5	21.5	20.6	19.4	17.0	14.0														
	60	—	—	—	—	28.7	27.5	26.4	25.3	24.4	23.3	22.2	21.3	20.2	18.5	16.1	12.5														

**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								
HP	PSI	Pumping Depth in Feet														Shutoff Head								
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	Feet	PSI								
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.



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