

# 50 GPM Series

Stainless Steel



The 50 GPM Stainless Steel 4" High-Flo Submersible Pumps deliver efficient and dependable performance even in rough, aggressive water. New stack design delivers better efficiency and head per

## APPLICATIONS

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

## SPECIFICATIONS

**Discharge:** 300 grade stainless steel with 2" NPT Threads

**Top Bearing:** Nylatron®

**Top Bearing Journal:** 300 grade stainless steel

**Diffuser Assembly:** Noryl® (20% glass filled)

**Impellers:** Noryl (20% glass filled)

**Bowls:** Noryl (20% glass filled)

**Diffuser Bearing:** Nylatron

**Diffuser Bearing Journal:** 300 grade stainless steel

**Shaft:** 300 grade stainless steel, 7/16" hex stock

**Coupling:** 300 grade stainless steel

**Shell:** 300 grade stainless steel

**Motor Adapter:** 300 grade stainless steel

**Suction Screen:** 300 grade stainless steel

**Cable Guard:** 300 grade stainless steel

**Fastener:** 300 grade stainless steel

## FEATURES

**Discharge:** Heavy-duty 300 grade stainless steel construction provides smooth water passage to column pipe. Large wrench flats and rope hole.

**Top Bearing:** Self-lubricated top bearing ensures long bearing life.

**Impellers:** 20% glass-reinforced Noryl to resist abrasives and provide smooth water passage for minimal friction loss.

**Diffuser Bearing:** Bearings at each stage provide radial protection and stability, and excellent resistance to sand damage.

**Motor Bracket:** 300 grade precision cast stainless steel. Incorporates an efficient hydraulic design for maximum volume and access to motor mounting nuts.

**Shaft:** 300 grade "treated" stainless steel pump shaft is corrosion-resistant. The hex shape offers generous impeller drive surfaces.

**Motor Coupling:** Pressed-on, sintered 300 grade stainless steel for maximum corrosion resistance provides trouble-free transfer of power between motor and pump shaft.

**Shell:** Heavy-gauge, 300 series stainless steel pump shell is durable and offers high corrosion resistance.

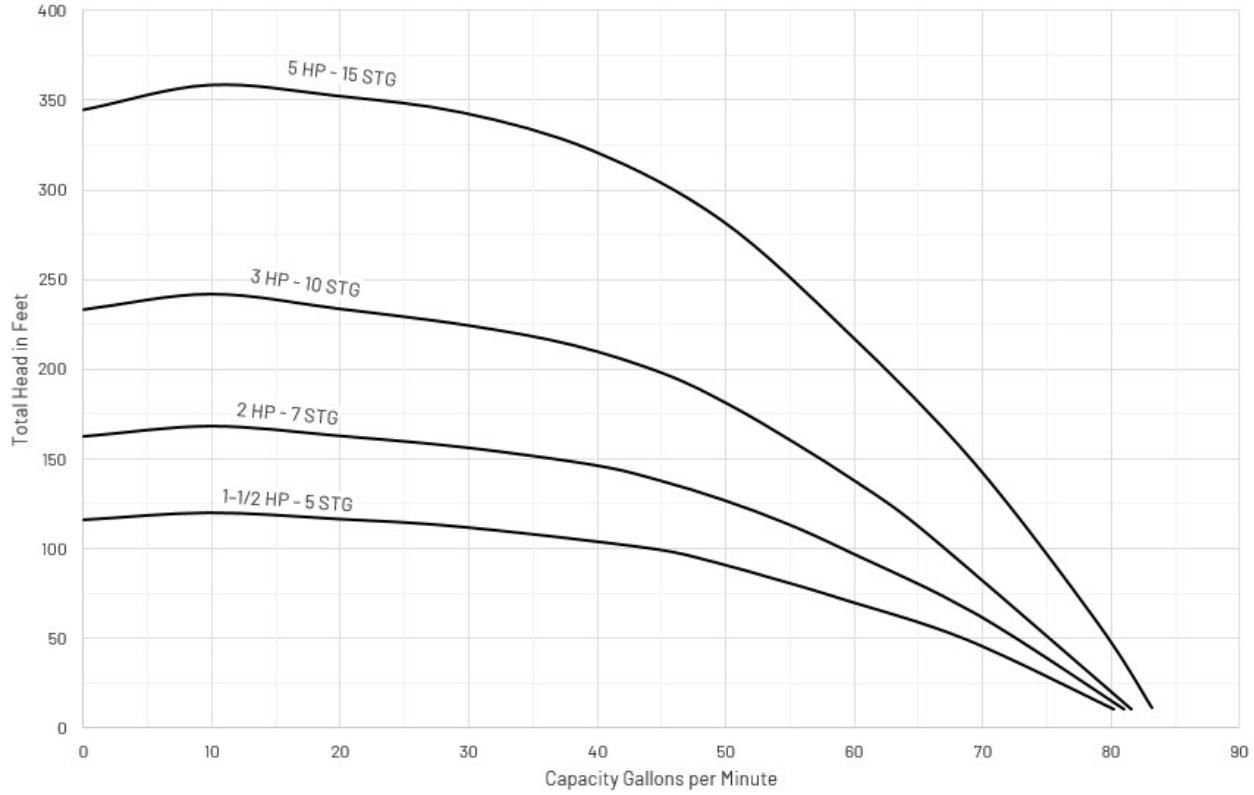
**Intake Screen:** 300 series stainless steel material offers maximum corrosion resistance and protects against damaging solids entering the pump.

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## PUMP PERFORMANCE: 70 GPM

PEI (CL) = 0.85



Tested and rated in accordance with Water Systems Council Standards.

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. Check valve sold separately.

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PUMP PERFORMANCE (CAPACITY IN GALLONS PER MINUTE)																				
HP	PSI	PUMPING DEPTH IN FEET																SHUT-OFF HEAD		
		20	40	60	80	100	125	150	175	200	250	300	350	450	550	650	700	FEET	PSI	
1-1/2	0	-	-	64	56	43												116	50	
	20	62	52	37																
	30	50	34																	
	40	48	30																	
	50	25																		
	60																			
2	0	-	-	-	65	59	50	37										164	71	
	20	-	64	57	50	39														
	30	63	56	49	38															
	40	55	47	35																
	50	45	33																	
	60	30																		
3	0	-	-	-	-	67	63	57	51	43								235	101	
	20	-	-	66	62	58	52	45	34											
	30	-	66	62	57	53	45	35												
	40	65	61	57	52	46	36													
	50	61	56	51	45	37														
	60	55	50	44	35															
5	0	-	-	-	-	-	-	69	66	63	55	45	26					346	150	
	20	-	-	-	-	-	66	63	59	56	46	29								
	30	-	-	-	-	67	63	60	56	52	40									
	40	-	-	-	66	64	60	56	52	47	31									
	50	-	-	66	63	61	57	52	47	41										
	60	-	66	63	60	57	53	48	42	33										

**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.

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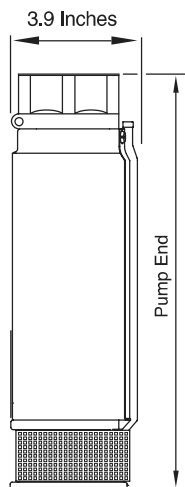
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## ORDERING INFORMATION

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*
2 WIRE	1.5	5	1	230	L50P4FMGS-05	18-3/4	11	P42B0015A2	29		
3 WIRE	1.5	5	1	230	L50P4FMGS-05	18-3/4	11	P43B0015A2	27	SMC-CR1521	7
			3	230	L50P4FMGS-05	18-3/4	11	P43B0015A3	23		
			3	460	L50P4FMGS-05	18-3/4	11	P43B0015A4	23		
	2	7	1	230	L50P4GMGS-05	24-1/8	16	P43B0020A2	31	SMC-CR2021	7
			3	230	L50P4GMGS-05	24-1/8	16	P43B0020A3	27		
			3	460	L50P4GMGS-05	24-1/8	16	P43B0020A4	27		
	3	10	1	230	L50P4HMGS-05	32	19	P43B0030A2	40	SMC-CR3021	7
			3	230	L50P4HMGS-05	32	19	P43B0030A3	32		
			3	460	L50P4HMGS-05	32	19	P43B0030A4	32		
	5	15	3	230	L50P4JMGS-05	45-3/8	24	P43B0050A2	70	SMC-CR5021	8
			3	460	L50P4JMGS-05	45-3/8	24	P43B0050A3	55		
			3	460	L50P4JMGS-05	45-3/8	24	P43B0050A4	55		

\*Length and Weight are approximate. NOTE: Pump end and motor purchased separately. Check valve sold separately.

## OUTLINE DIMENSIONS



Dimensions (in inches) are for estimating purposes only.

For lengths, refer to Ordering Information table.