

THE RANGER™ 4" SUBMERSIBLE PUMPS

THE RANGER™

The Ranger™ Series 4" high-flow submersible pumps are perfect for applications requiring a large volume of water. Stainless steel components and high-density composite resin impellers provide exceptional resistance to corrosion in harsh water conditions. The high-torque motor and superior pump hydraulics are carefully matched to handle virtually any job.

APPLICATIONS

Water systems... irrigation, industrial, commercial, multiple housing and farm clean water use

SPECIFICATIONS

- Shell - 304 Stainless Steel
- Discharge - 304 Stainless Steel
- Discharge Bearing - Buna-N
- Impellers - Noryl®
- Diffusers - Noryl
- Suction Caps - Noryl
- Shaft and Coupling - 304 Stainless Steel
- Intake - 304 Stainless Steel
- Intake Screen - 304 Stainless Steel
- Cable Guard - 304 Stainless Steel
- Check Valve - Polyester Teflon®
- Fasteners - 304 Stainless Steel

FEATURES

Turn Up the Volume

High-flow capacities to 100 GPM make the Ranger 4" sub the easy choice for the really big jobs

More Stainless Steel

Shell, discharge and suction bowl, shaft and coupling, lead guard and suction screen - all lead-free

Staged for Toughness

Specially designed, high-density thermo-plastic impellers resist the corrosive wear from harsh water conditions

High-powered Performance

Features a high-torque, heavy-duty motor for the most demanding applications



Noryl® is a registered trademark of the General Electric Company. Nylatron® is a registered trademark of The Polymer Corporation. Teflon® is a registered trademark of Dupont. Ranger™ is a trademark of Pentair Water.

ORDERING INFORMATION – PUMP

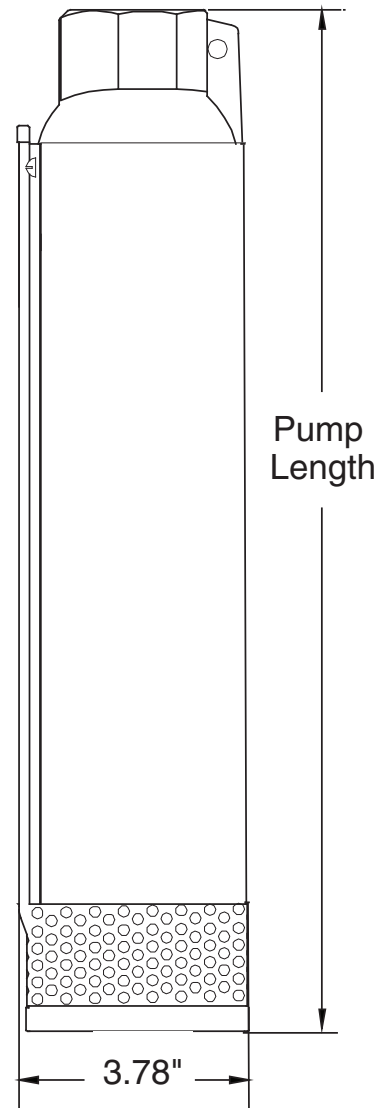
GPM	HP	Stages	Assembled Pump		
			Catalog Number	Length Inches*	Weight Pounds*
25	1	7	SS10-25	18	12
	1-1/2	9	SS15-25	21	14
	2	11	SS20-25	24	15
	3	15	SS30-25	30	19
	5	25	SS50-25	48	27
35	7-1/2	37	SS75-25	67	55
	1	4	SS10-35	15	10
	1-1/2	6	SS15-35	18	12
	2	8	SS20-35	22	14
	3	11	SS30-35	28	17
	5	18	SS50-35	43	24
	7-1/2	28	SS75-35	62	52
50	10	37	SS100-35	75	63
	1-1/2	6	SS15-50	21	14
	2	7	SS20-50	23	15
	3	10	SS30-50	31	19
	5	16	SS50-50	48	27
	7-1/2	25	SS75-50	70	59
80	10	32	SS100-50	84	68
	2	6	SS20-80	29	16
	3	9	SS30-80	39	20
	5	14	SS50-80	59	45
	7-1/2	22	SS75-80	66	59
	10	27	SS100-80	100	69

MOTOR / CONTROL BOX

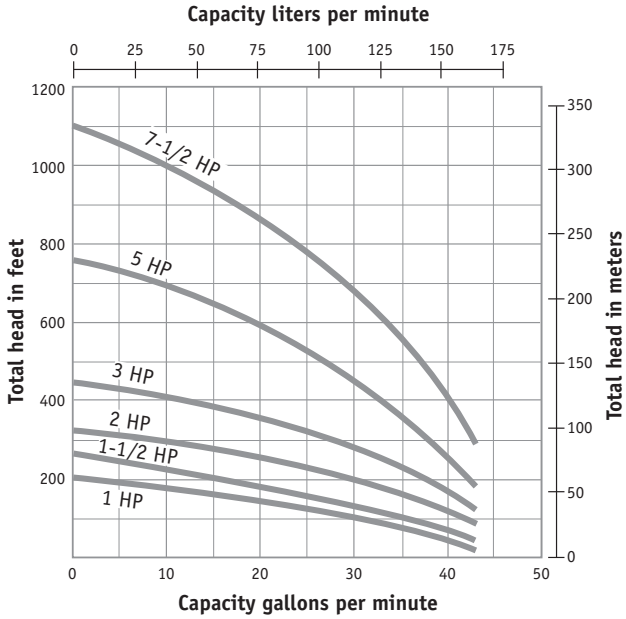
HP	No. of Wires	Volts	PH	PENTEK® Motor			PENTEK Control Box Catalog Number
				Catalog Number	Length Inches*	Weight Pounds*	
1	2	230	1	P42B0010A2	12	22	
	3	230	1	P43B0010A2	12	22	SMC-CR1021
1-1/2	2	230	1	P42B0015A2	15	30	
		230	1	P43B0015A2	14	27	SMC-CR1521
	3	230	3	P43B0015A3	13	23	SMC-CR1521
2	3	230	1	P43B0020A2	15	29	SMC-CR2021
		230	3	P43B0020A3	14	27	SMC-CR2021
3	3	230	1	P43B0030A2	24	49	SMC-CR3021
		230	3	P43B0030A3	21	40	SMC-CR3021
5	3	230	1	P43B0050A2	30	66	SMC-CR5021
		230	3	P43B0050A3	24	50	SMC-CR5021
7-1/2	3	230	3	P43B0075A3	30	66	SMC-CR7521

*Length and weight are approximate.

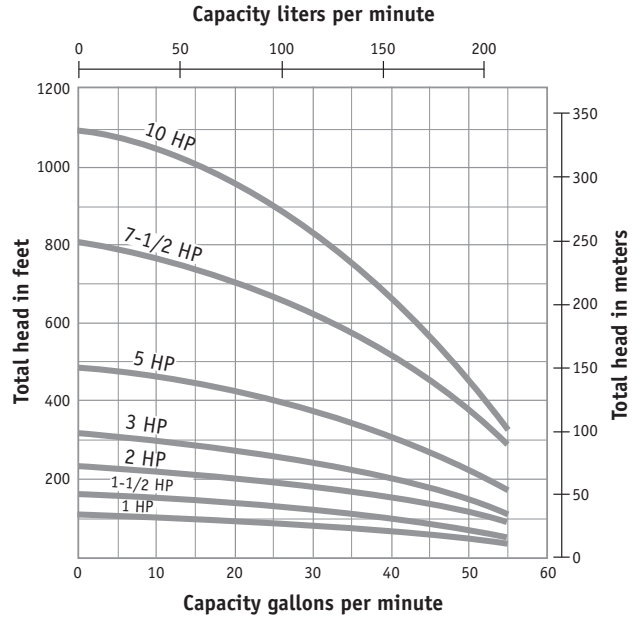
OUTLINE DIMENSIONS



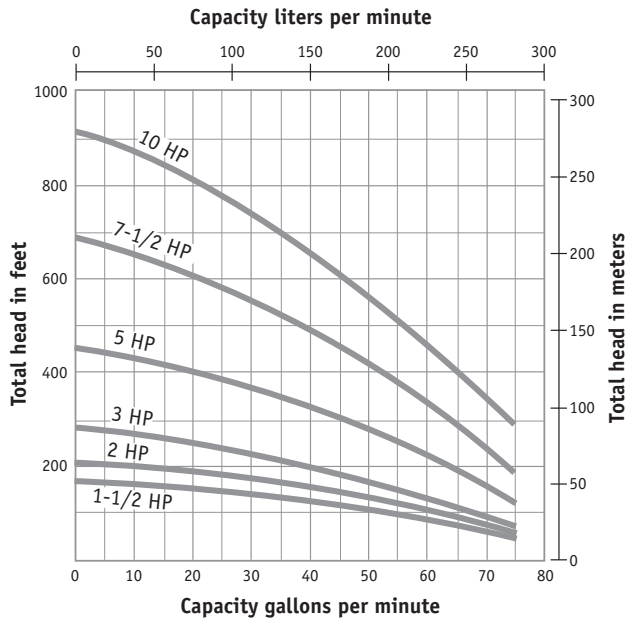
PUMP PERFORMANCE - 25 GPM



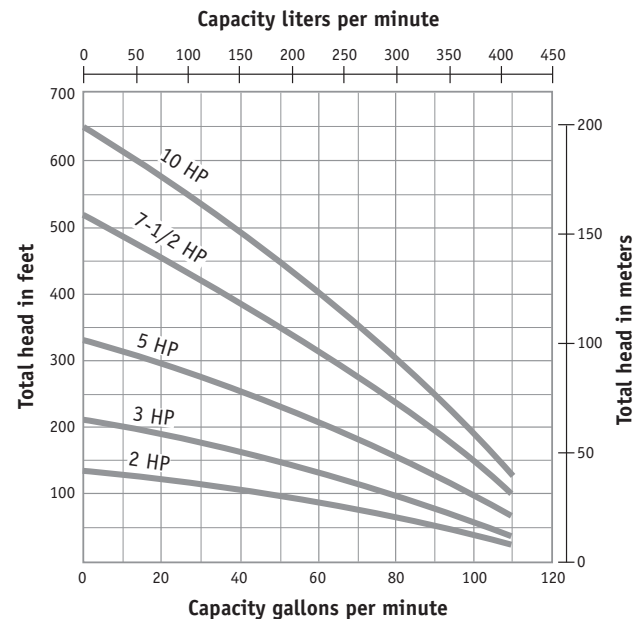
PUMP PERFORMANCE - 35 GPM



PUMP PERFORMANCE - 50 GPM



PUMP PERFORMANCE - 80 GPM



PUMP PERFORMANCE

HP	Catalog Number	Tank Pressure	Pumping Depth in Feet																												
			0	20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850					
25 GALLONS PER MINUTE																															
1	SS10-25	20/40 30/50	35 30	31 28	27 22	22 17	18 12	11																							
1-1/2	SS15-25	20/40 30/50	36	33	33 30	30 27	27 23	23 20	20 15																						
2	SS20-25	20/40 30/50			38 36	36 33	33 31	31 27	28 24	25 20	21 16	17																			
3	SS30-25	20/40 30/50							36 34	32	33 30	30 28	25 22	18 15																	
5	SS50-25	20/40 30/50													38	37 36	34 33	31 30	28 27	25 24	22 21	18 16	13								
7-1/2	SS75-25	20/40 30/50															39	37	36	34	34	32	30	28	26	23	19	16			
35 GALLONS PER MINUTE																															
1	SS10-35	20/40 30/50	37 25	25																											
1-1/2	SS15-35	20/40 30/50	49 42	43 34	35 26	28 15																									
2	SS20-35	20/40 30/50			50 46	46 40	41 33	35 26	27 16																						
3	SS30-35	20/40 30/50					49 45	46 42	42 37	38 33	33 26	27 21	15																		
5	SS50-35	20/40 30/50									49	47	45	43	39	36	32	23	18												
7-1/2	SS75-35	20/40 30/50														50	47	44	40	36	32	27									
10	SS100-35	20/40 30/50														49	48	48	46	45	42	40	39	37	34	30	29	25	23		
50 GALLONS PER MINUTE																															
1-1/2	SS15-50	20/40 30/50	65 55	56 45	46 34	37 20																									
2	SS20-50	20/40 30/50	70 64	63 55	56 47	47 40	40 29	30																							
3	SS30-50	20/40 30/50	70	70 64	64 60	60 55	55 49	50 44	44 35	36 29																					
5	SS50-50	20/40 30/50				72 70	70 66	67 64	64 60	61 57	57 54	54 50	51 46	41 36	30 23																
7-1/2	SS75-50	20/40 30/50										70 67	67 65	65 63	60 58	55 53	49 46	43 40	35 32												
10	SS100-50	20/40 30/50													68 67	65 63	61 59	58 56	53 51	48 46	44 42	39 37	33 30								
80 GALLONS PER MINUTE																															
2	SS20-80	20/40 30/50	75 58	56 40	40																										
3	SS30-80	20/40 30/50	93 81	81 71	72 60	60 48	50 37																								
5	SS50-80	20/40 30/50	100	101 94	94 88	87 80	80 72	72 62	63 58	57 50	49 40	40																			
7-1/2	SS75-80	20/40 30/50			104	104 96	100 96	96 90	91 87	87 82	82 78	77 72	72 67	60 52	45 39																
10	SS100-80	20/40 30/50						104 101	97 95	95 93	93 90	89 86	84 81	72 70	68 65	58 55															