

GRUNDFOS STAINLESS STEEL PUMPS

FOR GROUNDWATER APPLICATIONS

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GRUNDFOS STAINLESS STEEL PUMPS

STAINLESS STEEL CONSTRUCTION

Grundfos submersibles feature rugged and durable stainless steel construction for all vital pump components. Impellers, diffusers, shafts, vanes, cable guards, couplings...even the nuts and bolts are stainless steel. Grundfos' 4-inch pump systems include the stainless steel pump, motor, and control box and are delivered ready to install.

Computer-aided design and manufacturing techniques ensure that each *pump* is built to exacting tolerance and performs to industry-leading standards. Grundfos state-of-the-art production equipment includes extensive use of robotics and advanced quality assurance procedures. You can rely on quality Grundfos' groundwater products for outstanding pump performance and best value.

SUBMERSIBLES

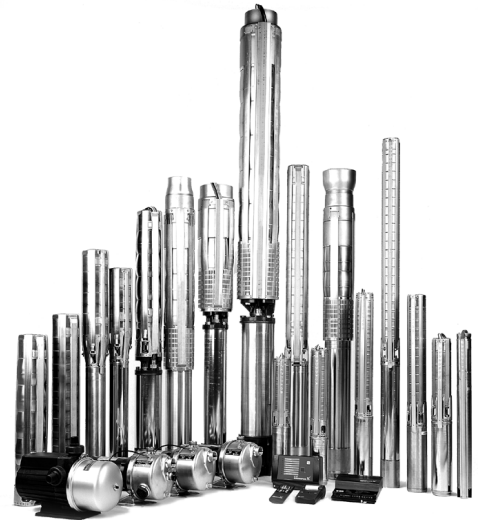
4-INCH and LARGER WELLS

The 4-inch submersibles line covers all flow requirements from 1.2 to 95 gpm and heads to 2000 feet. This broad range ensures proper pump selection for all domestic groundwater system applications.

6, 8, & 10-INCH and LARGER WELLS

For high flow requirements, this submersible line includes 6, 8, and 10-inch models for flows up to 1,400 gpm and heads to 2100 feet.

Grundfos offers 18 models of submersible pumps designed for domestic and industrial applications with flow rates from five to 1,400 gpm. Horsepower range extends from 1/3 hp to 250 hp. These pumps are marketed through more than 300 distributors and nearly 2,000 dealers nationwide.



THE STAINLESS STEEL ADVANTAGE

TOP PUMP PERFORMANCE

Grundfos pumps are built to work hard with every component designed for maximum hydraulic efficiency. With the inherently smooth surfaces of fabricated stainless steel, peak performance is maintained over many years of service.

RELIABLE OPERATION

Highly advanced design and manufacturing techniques minimize the number of moving parts. This, plus Grundfos' use of rugged stainless steel construction, make GRUNDFOS groundwater pumps the toughest, most reliable pumps on the market. With Grundfos you can rely on getting the water you need, when you need it.

LONG PUMP LIFE

Stainless steel is the best available material to resist wear and corrosion in water system applications. Compare Grundfos' stainless steel construction to the best the other manufactures have to offer. Grundfos stainless steel pumps are designed to operate efficiently and effectively for a long, long time.

SQ/SQE SUBMERSIBLE PUMPS

3-Inch SQ/SQE Submersible Well Pumps 3-Inch and Larger Wells

SQ/SQE pumps are suitable for both continuous and intermittent operation for a variety of applications:

- Domestic water supply
- Small waterworks
- Irrigation
- Tank applications

SQ, SQE pumps offer the following features:

- Dry-Run protection
- High efficiency pump and motor
- Excellent wear resistance, and sand handling capabilities
- Protection against up-thrust
- Soft-start
- Over-voltage and under-voltage protection
- Overload protection
- Over-temperature protection
- High starting torque

Additionally, the SQE pumps offer:

- Constant pressure control
- Variable speed
- Electronic control and communication

The SQ and SQE pump models incorporate a totally new motor design. With the use of permanent-magnet technology within the motor, the SQ/SQE pumps deliver unmatched performance. By combining permanent-magnet motors and Grundfos's own micro frequency converter, we

are now able to control and communicate with the pump in ways never before possible. A few of the features that come out this combination are Constant Pressure Control, Soft-Start, and integrated Dry-Run protection. These are just a few of the many features that the SQ/SQE pumps can offer.

The SQ pump models are a simple pump that operates at a constant speed much like today's conventional pumps. The difference between it and today's pumps is you get all the benefits of an electronically controlled permanent-magnet motor that cannot be accomplished with a conventional induction motor. The SQ pumps are available for single phase power. They use a simple 2-wire design making installation easy.

The SQE uses the Grundfos "Smart Motor". Like the SQ model, we still use the high efficiency permanent magnet motor, but we give this motor the ability to communicate. The "Smart Motor" communicates via the CU300 status box through the power leads. It is not necessary to run any additional wires down the well. By being able to communicate with the pump you can have Constant Pressure Control and the ability to change the pump performance while the pump is installed in the well. Like the SQ motor, this is also a 2-wire motor designed for single-phase operation.



MQ

The Grundfos MQ is an all in one, self-priming, multistage centrifugal pump. It self-priming from a well depth of down to 26 feet with a maximum time of 5 minutes. It has a built-in pressure tank and pressure switch and is made from weatherproof, corrosion-resistant materials.

CH

The Grundfos CH is a high performance, multi-stage centrifugal pump. Series CH features 304 stainless steel & cast iron construction, single phase & three phase TEFC motors, and bellows-type shaft seals.

BASIC LINE JET PUMPS

Basic Line Jet Pumps are a complete range of cast iron and stainless steel shallow and cast iron deepwell jet pumps. Grundfos Jet Pumps feature I.E.C. motors for better efficiency, longer life and quieter operation. Additionally, they are constructed with corrosion resistant materials for long life.

GROUNDWATER PUMPS

SECTION 1

Grundfos Stainless Steel Submersible Pumps

3" SQ/SQE & 4" Submersible Easy Selection Charts.

SELECTION CHARTS

(Ratings are in GALLONS PER HOUR-GPH)

40 GPM

FLOW RANGE

(24 TO 55 GPM)

PUMP OUTLET

2" NPT

PUMP MODEL	HP	PSI	DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																									
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100	
40S10-3	1	20	2200																									
		30	180																									
		40																										
		50																										
		60																										
SHUT-OFF PSI:			29	20	11	3																						
40S15-5	1 1/2	20	3300	2820	2520	1620																						
		30	2820	2400	1500																							
		40	2220	780																								
		50	600																									
		60																										
SHUT-OFF PSI:			54	45	36	28	19																					
40S20-7	2	20																										
		30																										
		40																										
		50																										
		60																										
SHUT-OFF PSI:																												

SELECTION CHARTS

(Ratings are in GALLONS PER MINUTE-GPM)

PUMP MODEL	HP	PSI	DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																								
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100
5SQ/SQE03A-90	1/3	20	7.5	6.7	5.7	4.4																					
		30	5.5	4.2	2.3	0.8																					
		40	3.6	1.6																							
		50	1.5																								
		60																									
SHUT-OFF PSI:			9.7	8.9	7.8	7.1	2.0	1.1	2																		
5SQ/SQE03A-140	1/3	20	7.1	6.6	5.3	4.6	3.5																				
		30	6.5	5.9	5.1	4.3	3.9	1.9																			
		40	5.8	5.1	4.1	3.2	1.8																				
		50	4.9	4	3	1.4																					
		60	3.8	2.6	1																						
SHUT-OFF PSI:			8.2	7.4	6.5	5.6	4.8	3.9	3.0	2.2	1.5	4															
5SQ/SQE05A-180	1/2	20	7.8	7.4	7	6.3	6.1	5.5	4.7	3.7	2.6	1															
		30	7.3	6.9	6.5	5.8	5.4	4.7	3.9	2.9	1.6																
		40	6.9	6.5	5.8	4.8	3.8	2.9	1.6																		
		50	6.3	5.8	4.8	3.8	2.8	1.2																			
		60	5.7	5.1	4.4	3.4	2.6	1.2																			
SHUT-OFF PSI:			11.0	10.2	9.3	8.4	7.6	6.7	5.8	5.0	4.1	3.3	2.4	1.5	4												
5SQ/SQE05B-230	1/2	20	8	7.7	7.3	6.8	6.5	6.1	5.6	5.1	4.6	4.1	3.4	2.6	0.8												
		30	7.5	7.1	6.7	6.3	5.9	5.4	4.9	4.3	3.7	3.1	2.3	1.4													
		40	7.1	6.7	6.3	5.8	5.4	4.9	4.3	3.7	3.1	2.3	1.4														
		50	6.7	6.3	5.8	5.3	4.8	4.2	3.6	2.9	2.2	1.3															
		60	6.3	5.8	5.3	4.8	4.1	3.4	2.8	2	1.3																
SHUT-OFF PSI:			14.0	13.4	12.6	11.7	10.8	10.0	9.1	8.2	7.4	6.5	5.6	4.8	3.9	3.0	2.2	1.4									
5SQ/SQE05B-270	1/2	20	8	7.7	7.4	7.1	6.7	6.4	6	5.6	5.2	4.7	4.2	3.7	3.1	2.4	0.8										
		30	7.7	7.3	7	6.7	6.3	5.9	5.5	5.1	4.7	4.2	3.7	3.1	2.4	0.8											
		40	7.3	6.9	6.6	6.2	5.8	5.4	4.9	4.3	3.7	3.1	2.4	1.8													
		50	7	6.6	6.2	5.8	5.4	4.9	4.3	3.7	3.1	2.4	1.8														
		60	6.5	6.1	5.6	5.2	4.8	4.4	3.9	3.4	2.7	2.1	1.2														
SHUT-OFF PSI:			14.0	13.4	12.6	11.7	10.8	10.0	9.1	8.2	7.4	6.5	5.6	4.8	3.9	3.0	2.2	1.4									
5SQ/SQE07B-320	3/4	20	8	7.7	7.4	7.1	6.7	6.3	5.9	5.5	5.1	4.7	4.2	3.7	3.1	2.4	0.8										
		30	8	7.7	7.4	7.1	6.7	6.3	5.9	5.5	5.1	4.7	4.2	3.7	3.1	2.4	0.8										
		40	8	7.7	7.4	7.1	6.7	6.3	5.9	5.5	5.1	4.7	4.2	3.7	3.1	2.4	0.8										
		50	7.8	7.3	7	6.7	6.3	5.9	5.5	5.1	4.7	4.2	3.7	3.1	2.4	0.8											
		60	7.8	7.3	7	6.7	6.3	5.9	5.5	5.1	4.7	4.2	3.7	3.1	2.4	0.8											
SHUT-OFF PSI:			24.9	24.0	23.2	22.3	21.4	20.6	19.7	18.8	18.0	17.1	16.2	15.4	14.5	13.6	12.8	11.9	11.0	10.1	9.2	8.4	7.5	6.6	5.7	4.8	
5SQ/SQE10C-360	1	20	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		30	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		40	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		50	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		60	8	7.7	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3	2.5	2								
SHUT-OFF PSI:			24.9	24.0	23.2	22.3	21.4	20.6	19.7	18.8	18.0	17.1	16.2	15.4	14.5	13.6	12.8	11.9	11.0	10.1	9.2	8.4	7.5	6.6	5.7		
5SQ/SQE10C-410	1	20	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		30	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		40	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		50	8	7.7	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3	2.5	2								
		60	8	7.7	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3	2.5	2								
SHUT-OFF PSI:			24.9	24.0	23.2	22.3	21.4	20.6	19.7	18.8	18.0	17.1	16.2	15.4	14.5	13.6	12.8	11.9	11.0	10.1	9.2	8.4	7.5	6.6	5.7		
5SQ/SQE10C-450	1	20	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		30	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		40	8	7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.9	2.3									
		50	8	7.7	7.4	7.1	6.8	6.5</																			

5 SQ/SQE EASY SELECTION CHART

SELECTION CHARTS

5 SQ/SQE

FLOW RANGE
(1.5 TO 8 GPM)

PUMP OUTLET
1" NPT

(Ratings are in GALLONS PER MINUTE-GPM)

PUMP MODEL	HP	PSI	DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100			
5SQ/SQE03A-90	1/3	0	8	7.5	6.7	5.7	4.4	2.6	0.4																					
		20	6.5	5.5	4.2	2.3	0.1																							
		30	5.1	3.6	1.6																									
		40	3.6	1.5																										
		50	1																											
		60																												
SHUT-OFF PSI:			97	89	78	71	20	11	2																					
5SQ/SQE03A-140	1/3	0	8	7.7	7.3	6.7	6.1	5.5	4.7	3.7	2.6	1																		
		20	7.1	6.6	6	5.3	4.5	3.5	2.2	0.6																				
		30	6.5	5.9	5.1	4.3	3.3	1.9																						
		40	5.8	5.1	4.1	3.2	1.8																							
		50	4.9	4	3	1.4																								
		60	3.8	2.6	1																									
SHUT-OFF PSI:			82	74	65	56	48	39	30	22	13	4																		
5SQ/SQE05A-180	1/2	0			7.9	7.5	7.1	6.7	6.2	5.6	5.1	4.4	3.6	2.6	1.1															
		20	7.8	7.4	7	6.5	6.1	5.5	4.9	4.2	3.3	2.3	0.8																	
		30	7.3	6.9	6.5	5.9	5.4	4.8	4.1	3.2	2	0.2																		
		40	6.9	6.5	5.9	5.4	4.7	4	3.1	2	0.1																			
		50	6.3	5.8	5.3	4.6	3.8	2.9	1.6																					
		60	5.7	5.1	4.4	3.6	2.6	1.2																						
SHUT-OFF PSI:			110	102	93	84	76	67	58	50	41	33	24	15	7															
5SQ/SQE05B-230	1/2	0				8	7.7	7.3	6.9	6.5	6.1	5.6	5.1	4.6	4.1	3.4	2.8	0.8												
		20		8	7.6	7.1	6.8	6.3	5.9	5.4	5	4.5	3.9	3.3	2.6	1.8	0.6													
		30	7.9	7.5	7.1	6.7	6.3	5.9	5.4	4.9	4.4	3.8	3.1	2.4	1.5															
		40	7.5	7.1	6.7	6.3	5.8	5.4	4.9	4.3	3.7	3.1	2.3	1.4																
		50	7	6.6	6.2	5.8	5.3	4.8	4.2	3.6	2.9	2.2	1.2																	
		60	6.5	6.1	5.6	5.1	4.6	4.1	3.4	2.8	2	0.9																		
SHUT-OFF PSI:			143	134	126	117	108	100	91	82	74	65	56	48	39	30	22	4												
5SQ/SQE05B-270	1/2	0				8	7.8	7.5	7.2	6.8	6.5	6.1	5.8	5.3	4.9	4.4	3.4	1.2												
		20		8	7.7	7.4	7.1	6.7	6.4	6	5.6	5.2	4.8	4.3	3.8	3.2	1.8													
		30		8	7.7	7.3	7	6.7	6.3	5.9	5.5	5.1	4.7	4.2	3.7	3.1	2.4	0.8												
		40	8	7.7	7.3	7	6.7	6.3	5.9	5.5	5.1	4.7	4.2	3.7	3.1	2.4	1.6													
		50	7.6	7.3	6.9	6.6	6.2	5.9	5.2	5	4.6	4.1	3.5	3	2.2	1.5	0.6													
		60	7.2	6.9	6.5	6.1	5.7	5.3	4.9	4.4	3.9	3.4	2.7	2.1	1.2	0.2														
SHUT-OFF PSI:			175	167	158	149	141	132	123	115	106	97	89	80	71	63	54	37	11											
5SQ/SQE07B-320	3/4	0						7.9	7.6	7.3	7	6.7	6.4	6.1	5.7	5.4	4.6	3.4	1.6											
		20					7.8	7.5	7.2	6.9	6.6	6.3	6	5.6	5.3	4.9	4.5	3.9	2.1											
		30			8	7.7	7.5	7.1	6.9	6.5	6.2	5.9	5.5	5.2	4.8	4.4	4	3.1	1.2											
		40		8	7.7	7.5	7.1	6.9	6.5	6.2	5.9	5.5	5.2	4.8	4.4	4	3.5	2.5	0.2											
		50	7.9	7.6	7.4	7.1	6.8	6.5	6.1	5.8	5.5	5.1	4.7	4.3	3.9	3.5	3	1.9												
		60	7.6	7.3	7	6.7	6.4	6	5.7	5.4	5	4.6	4.2	3.8	3.3	2.8	2.2	0.8												
SHUT-OFF PSI:			249	240	232	223	214	206	197	188	180	171	162	154	145	136	128	110	84	58										
5SQ/SQE10C-360	1	0								8	7.7	7.4	7.2	6.9	6.6	6.3	6	5.4	4.4	3.3	1.9									
		20							7.9	7.6	7.3	7.1	6.8	6.5	6.2	5.9	5.6	5.3	4.7	3.6	2.3									
		30				8	7.8	7.6	7.3	7	6.7	6.5	6.2	5.9	5.6	5.3	4.9	4.3	3.1	1.6										
		40			8	7.8	7.5	7.3	7	6.7	6.5	6.1	5.9	5.6	5.3	4.9	4.6	3.9	2.6	0.8										
		50		0.8	7.8	7.5	7.2	7	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.5	4.2	3.3	2											
		60	8	7.7	7.4	7.2	6.9	6.6	6.3	6	5.7	5.4	5.1	4.8	4.4	4.1	3.7	2.9	1.2											
SHUT-OFF PSI:			234	227	219	210	201	193	184	175	167	158	149	141	132	123	115	97	71	46	20									
5SQ/SQE10C-410	1	0									7.9	7.6	7.4	7.1	6.8	6.5	6	5.1	4.2	3.2	1.4									
		20								7.8	7.6	7.3	7	6.7	6.5	6.2	5.9	5.3	3.6	3.4	2.3									
		30					8	7.8	7.5	7.3	7	6.7	6.4	6.1	5.9	5.6	5	4.1	3	1.7										
		40				8	7.8	7.5	7.3	7	6.7	6.4	6.1	5.8	5.6	5.3	4.7	3.7	2.6	1.1										
		50			8	7.7	7.4	7.2	6.9	6.6	6.3	6.1	5.8	5.5	5.2	4.9	4.3	3.3	2.1											
		60		7.9	7.6	7.4	7.1	6.8	6.5	6.3	6	5.7	5.4	5.1	4.8	4.4	4.1	3.7	2.8	1.4										
SHUT-OFF PSI:				249	240	232	223	214	206	197	188	180	171	162	154	145	128	102	76	50	15									
5SQ/SQE10C-450	1	0										7.9	7.6	7.3	7	6.7	6.5	6	5.1	4.3	3.4	2.9								
		20									8	7.8	7.5	7.2	7	6.7	6.4	6.1	5.6	4.8	4	3.1	1.5							
		30								8	7.8	7.5	7.2	7	6.7	6.4	6.2	5.9	5.4	4.5	3.7	2.7	0.8							
		40							8	7.7	7.5	7.2	6.9	6.6	6.4	6.1	5.9	5.6	5	4.2	3.3	2.3								

10 SQ/SQE EASY SELECTION CHART

10 SQ/SQE

FLOW RANGE
(3 TO 15 GPM)

PUMP OUTLET
1 1/4" NPT

SELECTION CHARTS

(Ratings are in GALLONS PER MINUTE - GPM)

DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																														
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100			
10S Q/S QE 03A-110	1/3	0		14.8	13.5	12.5	11.0	9.0	6.0																					
		20	13.5	12.0	10.5	8.5	5.0																							
		30	11.8	10.0	8.0																									
		40	10.0	8.0																										
		50																												
		60																												
SHUT-OFF PSI:			56	48	35	30	17	13	4																					
10S Q/S QE 05B-160	1/2	0		14.8	14.0	13.0	12.0	11.0	10.0	8.0	5.0																			
		20	14.6	13.8	13.0	12.0	11.0	9.5	7.5	4.0																				
		30	13.5	12.8	11.8	10.5	9.0	7.0	2.0																					
		40	12.8	11.8	10.5	9.0	7.0	2.0																						
		50	11.5	10.2	8.5	6.0																								
		60	10.0	8.0	5.0																									
SHUT-OFF PSI:			84	76	67	58	50	41	32	24	15	6																		
10S Q/S QE 05B-200	1/2	0			14.8	14.0	13.5	12.8	12.0	11.0	10.0	9.0	7.0	5.0																
		20		14.5	14.0	13.3	12.5	11.8	10.8	9.8	8.5	6.5	4.0																	
		30	14.5	13.8	11.8	12.5	11.5	10.5	9.5	8.0	6.0	3.0																		
		40	13.8	13.0	12.5	11.5	10.5	9.5	8.0	6.0	3.0																			
		50	13.0	12.0	11.5	10.5	9.0	7.5	5.5	1.5																				
		60	12.0	11.0	10.0	9.0	7.0	5.0																						
SHUT-OFF PSI:			113	104	95	87	78	69	61	52	43	35	26	17	7															
10S Q/S QE 10C-240	1	0				14.6	14.0	13.5	13.0	12.4	11.5	11.0	10.0	9.0	8.0	6.5	2.5													
		20		15.0	14.5	14.0	13.5	12.8	12.2	11.5	10.8	9.8	8.8	7.8	6.4	4.5	2.0													
		30	15.0	14.3	13.8	13.3	12.8	12.0	11.3	10.5	9.5	8.5	7.5	6.0	4.0															
		40	14.5	13.8	13.3	12.8	12.0	11.3	10.5	9.5	8.5	7.5	6.0	4.0																
		50	13.8	13.0	12.5	11.8	11.0	10.3	7.5	8.3	7.0	5.5	3.5																	
		60	13.0	12.4	11.7	11.0	10.0	9.0	8.0	6.7	5.0	2.5																		
SHUT-OFF PSI:			143	134	126	117	108	100	91	82	74	65	56	48	39	30	22	4												
10S Q/S QE 10C-290	1	0					14.7	14.3	13.8	13.3	12.8	12.3	11.8	11.0	10.5	9.5	7.7	3.0												
		20			15.0	14.5	14.2	13.7	13.2	12.8	12.3	11.5	10.8	10.5	9.5	8.5	7.5	4.5												
		30		15.0	14.5	14.0	13.7	13.2	12.7	12.0	11.5	10.8	10.0	9.3	8.3	7.2	5.8	1.5												
		40	15.0	14.5	14.0	13.7	13.2	12.5	12.0	11.5	10.8	10.0	9.3	8.3	7.3	5.8	4.0													
		50	15.0	14.5	14.0	13.0	12.5	12.0	11.2	10.5	9.8	9.0	8.0	7.0	5.5	3.5	1.0													
		60	13.8	13.3	12.8	12.3	11.8	11.0	10.5	9.6	8.8	7.7	6.5	5.0	3.0															
SHUT-OFF PSI:			173	165	156	147	139	130	121	113	104	95	87	78	69	61	52	35	7											
10S Q/S QE 10C-330	1	0						14.7	14.4	14.0	13.5	13.0	12.7	12.2	11.6	11.0	9.8	7.2	3.0											
		20			15.0	14.7	14.3	13.8	13.5	13.0	12.5	12.0	11.5	10.8	10.3	9.5	8.0	4.5												
		30			15.0	14.5	14.2	13.8	13.3	12.8	12.5	11.8	11.3	10.8	10.2	9.5	8.8	6.8	2.2											
		40		15.0	14.6	14.2	13.8	13.4	12.8	12.4	12.0	11.4	10.8	10.2	9.5	8.7	7.8	5.5												
		50	14.8	14.5	14.0	13.7	13.2	12.7	12.2	11.7	11.2	10.5	10.0	9.3	8.5	7.5	6.6	3.5												
		60	14.4	14.0	13.5	13.0	12.6	12.2	11.5	11.0	10.5	9.7	9.0	8.2	7.3	6.1	4.8	1.2												
SHUT-OFF PSI:			203	195	186	177	169	160	152	143	134	126	117	108	100	91	82	65	39	13										

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

15 SQ/SQE EASY SELECTION CHART

15 SQ/SQE

SELECTION CHARTS

FLOW RANGE
(4 TO 20 GPM)

PUMP OUTLET
1 1/4" NPT

(Ratings are in GALLONS PER MINUTE-GPM)

		DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																										
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100	
15SQ/SQE03A-70	1/3	0		19.5	16.5	13	8.5																					
		20	15.5	12	7																							
		30	11	5																								
		40	5																									
		50																										
		60																										
SHUT-OFF PSI:			41	32	24	15	7																					
15SQ/SQE05A-110	1/2	0			19.5	17.5	16	13.5	11	7.5																		
		20	19	17.5	15.5	13	10.5	6.5																				
		30	17	14.5	12.5	9.5																						
		40	14.5	12.5	9.5																							
		50	11.5	8.5																								
		60	7.5																									
SHUT-OFF PSI:			65	56	48	39	30	22	13	4																		
15SQ/SQE05B-150	1/2	0				19	18	17	15.5	14	12	10	7															
		20		19	18	16.5	15	13.5	11.5	8.5	6																	
		30	19	18	16.5	15	13	11	8.5	4.5																		
		40	17.5	16.5	15	13	11	8.5	4.5																			
		50	16.5	14.5	12.5	10.5	7.5	3																				
		60	14	12	10	7																						
SHUT-OFF PSI:			95	87	78	69	61	52	43	35	26	17	7															
15SQ/SQE07B-180	3/4	0					19.5	18.5	17.5	16.5	15.5	14	12.5	11	9	6.5												
		20		20	19	18	17	16.5	15	13.5	12.5	10.5	8.5	5.5														
		30	20	19	18	17	16	14.5	13.5	12	10	8																
		40	19	18	17	16	14.5	13.5	12	10	8																	
		50	17.5	17	15.5	14.5	13	11.5	9.5	7																		
		60	16.5	15.5	14	12.5	11	9	6.5																			
SHUT-OFF PSI:			117	108	100	91	82	74	65	56	48	39	30	22	15	4												
15SQ/SQE10C-220	1	0						19.5	18.5	17.5	17	16	15	14	13	11.5	10	6										
		20			20	19	18.5	17.5	16.5	15.5	14.5	13.5	12.5	11	9.5	8	5.5											
		30		20	19	18.5	17.5	16.5	15.5	14.5	13.5	12.5	11	9.5	7.5	4												
		40	20	19	18.5	17.5	16.5	15.5	14.5	13.5	12.5	11	9.5	7.5	4													
		50	19	18	17	16	15	14	13	12	10.5	9	6.5															
		60	18	17	16	15	14	13	11.5	10	8.5	6																
SHUT-OFF PSI:			145	136	128	119	110	102	93	84	76	67	58	50	41	32	24	6										
15SQ/SQE10C-250	1	0							20	19.5	18	17.5	16.5	15.5	15	14	13	11	5.5									
		20				20	19.5	18.5	18	17	16.5	15.5	15	14	13	11.5	10.5	6.5										
		30			19.5	19	18.5	18	17	16	15.5	14.5	13.5	12.5	11.5	10.5	9	4										
		40		20	19	18.5	18	17	16.5	15.5	14.5	13.5	12.5	11.5	10.5	9	7											
		50	19.5	19	18.5	17.5	17	16	15	14.5	13.5	12.5	11	10	8.5	6.5												
		60	19	18	17.5	17	16	15	14	13	12	11	9.5	8	6													
SHUT-OFF PSI:			171	162	154	145	136	128	119	110	102	93	84	76	67	58	50	32	6									
15SQ/SQE15C-290	1 1/2	0								20	19.5	18.5	18	17.5	17	16.5	15.5	15	13.5	10.5	5.5							
		20				20	19	18.5	18	17.5	17	16	15.5	14.5	14	13	11	7										
		30				19.5	19	18.5	18	17.5	16.5	16	15.5	14.5	13.5	13	12	8.5										
		40			19.5	19	18.5	18	17.5	16.5	16	15.5	14.5	14	13	12	11	8.5										
		50	20	19.5	19	18.5	17.5	17	16.5	16	15	14.5	13.5	12.5	11.5	10.5	9.5	6										
		60	19.5	18.5	18	17.5	17	16.5	15.5	15	14	13.5	12.5	11.5	10.5	9	7.5											
SHUT-OFF PSI:			197	188	180	171	162	154	145	136	128	119	110	102	93	84	76	58	32	6								

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

22 SQ/SQE EASY SELECTION CHART

22 SQ/SQE

FLOW RANGE
(7 TO 33 GPM)

PUMP OUTLET
1 1/2" NPT

SELECTION CHARTS

(Ratings are in GALLONS PER MINUTE-GPM)

		DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																										
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100	
22S Q/S QE 03A-40	1/3	0	315	23																								
		20																										
		30																										
		40																										
		50																										
		60																										
SHUT-OFF PSI:			17	7																								
22S Q/S QE 05A-80	1/2	0		315	27.5	22.5	19.5																					
		20	26.5	21	11																							
		30	19.5	6.5																								
		40	6.5																									
		50																										
		60																										
SHUT-OFF PSI:			41	32	24	15	7																					
22S Q/S QE 05B-120	1/2	0		33.0	31.0	28.5	25.5	22	17	7																		
		20	30.5	28	21	15	3																					
		30	27	24	20	13																						
		40	24	20	13																							
		50	18.5	10																								
		60	17																									
SHUT-OFF PSI:			65	56	48	39	30	22	13	4																		
22S Q/S QE 10C-160	1	0			32	30.5	28.5	26.5	24	21	17.5	12	3															
		20	32	31.5	28	26	23.5	20.5	16.5	10.5																		
		30	29.5	27.5	25.5	22.5	19.5	15	8.5																			
		40	27.5	25.5	22.5	19.5	15.0	8.5																				
		50	24.5	22	18.5	14	6																					
		60	21	17.5	12	3																						
SHUT-OFF PSI:			89	80	71	63	54	45	37	28	19	11	2															
22S Q/S QE 10C-190	1	0			33	31.5	30.5	29	27.5	25.5	23.5	21	18	14.5	8													
		20	32.5	31.5	30	28.5	27	25	23	20.5	17.5	13	4															
		30	31	29.5	28	26.5	24.5	22	20	16.5	12																	
		40	29.5	28	26.5	24.5	22	20	16.5	12																		
		50	27.5	26	24	21.5	19	15.5	1																			
		60	25.5	23.5	21	18	14	8																				
SHUT-OFF PSI:			107	99	90	81	73	64	55	47	38	29	21	12	4													
22S Q/S QE 15C-220	1 1/2	0			32.5	31.5	30	29	27.5	26	24.5	23	21	18.5	15.5	11.5												
		20		32.5	31	30	28.5	27.5	25.5	24	22.5	20.5	17.5	14.5	10													
		30	32	31	29.5	28.5	27	25.5	23.5	22	19.5	17	14	9														
		40	31	29.5	28.5	27	25.5	23.5	22.0	19.5	17	14	9															
		50	29.5	28	26.5	25.0	23.5	21.5	19.0	16.5	12.5	6.5																
		60	27.5	26.0	24.5	23.0	21.0	18.5	15.5	11.5																		
SHUT-OFF PSI:			130	121	113	104	95	87	78	69	61	52	43	35	26	17	9											

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

30 SQ/SQE EASY SELECTION CHART

SELECTION CHARTS

30 SQ/SQE

FLOW RANGE
(8 TO 42 GPM)

PUMP OUTLET
1 1/2" NPT

(Ratings are in GALLONS PER MINUTE-GPM)

PUMP MODEL	HP	PSI	DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																													
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100					
30SQ/SQE05A-40	1/2	0	40.0	30.5	11.0																											
		20																														
		30																														
		40																														
		50																														
		60																														
SHUT-OFF PSI:			20	11	2																											
30SQ/SQE05B-90	1/2	0		41	36.5	31	23	9																								
		20	35.5	29	20	4																										
		30	27.5	17																												
		40	17																													
		50																														
		60																														
SHUT-OFF PSI:			48	39	30	22	13	4																								
30SQ/SQE10C-130	1	0			41.5	38.5	35.5	31.5	27.0	21.0	11.0																					
		20	40.5	37.5	34.5	30.5	25.5	19.0	8.0																							
		30	37.0	33.5	29.5	24.0	17.0	4.0																								
		40	33.5	29.5	24.0	17.0	4.0																									
		50	28.5	22.5	14.0																											
		60	21.0	11.0																												
SHUT-OFF PSI:			76	67	58	50	41	32	24	15	7																					

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

5S EASY SELECTION CHART

5 GPM

SELECTION CHARTS

FLOW RANGE

PUMP OUTLET
1" NPT

(Ratings are in GALLONS PER MINUTE-GPM)

(1.2 TO 7 GPM)

		DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																												
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100			
5S03-9	1/3	0				7.1	6.7	6.2	5.8	5.3	4.8	4.3	3.2	2.1																
		20		7.0	6.6	6.1	5.7	5.2	4.6	4.0	2.8	1.6																		
		30		6.5	6.0	5.6	5.1	4.6	3.8	2.9	1.5																			
		40	6.7	6.0	5.5	5.1	4.4	3.8	2.4																					
		50	6.2	5.5	4.9	4.4	3.4	2.5	1.3																					
		60	5.6	4.9	4.2	3.5	1.9																							
SHUT-OFF PSI:			102	94	85	76	68	59	50	42	33	24	16	7																
5S05-13	1/2	0						7.1	6.8	6.4	6.1	5.8	5.5	5.2	4.8	4.5	3.9	2.3												
		20			7.3	7.0	6.7	6.3	6.0	5.7	5.4	5.1	4.7	4.3	3.7	3.1	2.0													
		30			7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.0	4.7	4.2	3.7	2.8	2.0													
		40	7.2	6.9	6.6	6.3	5.9	5.6	5.3	5.0	4.6	4.2	3.5	2.8	1.6															
		50	6.8	6.5	6.2	5.9	5.6	5.3	4.9	4.6	4.0	3.5	2.6	1.6																
		60	6.5	6.2	5.8	5.5	5.2	4.9	4.5	4.0	3.3	2.6	1.3																	
SHUT-OFF PSI:			152	143	134	126	117	108	100	91	82	74	65	56	48	39	30	13												
5S07-18	3/4	0							7.1	6.9	6.7	6.4	6.2	6.0	5.8	5.6	5.1	4.2	2.7											
		20						7.1	6.8	6.6	6.4	6.2	5.9	5.7	5.5	5.3	5.0	4.5	3.2											
		30					7.0	6.8	6.6	6.3	6.1	5.9	5.7	5.5	5.2	5.0	4.7	4.0	2.5											
		40			7.2	7.0	6.8	6.5	6.3	6.1	5.9	5.6	5.4	5.2	4.9	4.7	4.4	3.5	1.5											
		50		7.2	7.0	6.7	6.5	6.3	6.1	5.8	5.6	5.4	5.1	4.9	4.6	4.3	3.9	2.9												
		60	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.6	5.3	5.1	4.9	4.6	4.3	3.9	3.4	2.1												
SHUT-OFF PSI:			213	204	195	187	178	169	161	152	143	135	126	117	109	100	91	74	48	22										
5S10-22	1	0										7.1	6.9	6.7	6.6	6.4	6.2	5.8	5.3	4.7	3.8	1.7								
		20								7.1	6.9	6.7	6.5	6.3	6.1	6.0	5.8	5.4	4.8	4.0	2.8									
		30							7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.6	5.2	4.6	3.6	2.1									
		40						7.0	6.8	6.6	6.5	6.3	6.1	5.9	5.7	5.5	5.4	5.0	4.3	3.1	1.3									
		50				7.2	7.0	6.8	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1	4.7	3.9	2.5										
		60			7.1	6.9	6.8	6.6	6.4	6.2	6.0	6.0	5.7	5.5	5.3	5.1	4.9	4.4	3.5	1.7										
SHUT-OFF PSI:				245	237	228	219	211	202	194	185	176	168	159	150	142	124	98	72	46	12									
5S15-26	1 1/2	0												7.1	7.0	6.8	6.7	6.4	5.9	5.4	4.9	4.1	2.1							
		20											7.1	6.9	6.8	6.6	6.5	6.3	6.0	5.5	5.1	4.5	3.4							
		30										7.1	6.9	6.7	6.6	6.4	6.3	6.1	5.8	5.4	4.8	4.2	2.9							
		40									7.0	6.9	6.7	6.6	6.4	6.3	6.1	6.0	5.6	5.2	4.6	5.6	2.4							
		50							7.0	6.9	6.7	6.5	6.4	6.2	6.1	5.9	5.8	5.5	5.0	4.4	3.6	1.7								
		60						7.0	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.8	5.6	5.3	4.8	4.1	3.1									
SHUT-OFF PSI:						269	260	252	243	234	226	217	208	200	191	174	148	122	96	61	18									
5S15-31	1 1/2	0														7.1	7.0	6.7	6.3	5.9	5.5	6.7	4.1	2.6						
		20												7.1	6.9	6.8	6.7	6.4	6.0	5.6	5.2	4.6	3.5	1.6						
		30											7.0	6.9	6.8	6.6	6.5	6.2	5.9	5.5	5.1	4.4	3.2	0.9						
		40										7.0	6.9	6.8	6.6	6.5	6.4	6.1	5.7	5.3	4.9	4.2	2.8							
		50								7.1	7.0	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.6	5.2	4.7	4.0	2.3							
		60						7.1	7.0	6.8	6.7	6.6	6.5	6.3	6.2	6.1	5.8	5.4	5.0	4.5	3.7	1.7								
SHUT-OFF PSI:							320	311	303	294	285	277	268	259	251	233	207	181	155	121	77	34								

See 5S performance curves for higher head models.
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

7S EASY SELECTION CHART

7 GPM

SELECTION CHARTS

FLOW RANGE

PUMP OUTLET

(Ratings are in GALLONS PER MINUTE-GPM)

(3 TO 10 GPM)

1" NPT

		DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																												
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100			
7S03-8	1/3	20	10.0	9.5	8.7	8.0	7.2	6.4	5.0	3.7	1.8																			
		30	9.3	8.7	7.9	7.1	6.1	5.1	2.6																					
		40	8.5	7.8	7.0	6.1	4.5	2.9	1.5																					
		50	7.6	6.9	5.8	4.7	2.3																							
		60	6.7	5.8	3.9	2.0																								
SHUT-OFF PSI:			86	77	69	60	52	43	34	26	17	8																		
7S05-11	1/2	0					9.9	9.5	8.9	8.4	7.8	7.3	6.7	6.0	5.0	4.0														
		20			9.8	9.3	8.8	8.2	7.7	7.1	6.5	5.8	4.7	3.5	1.8															
		30	10.1	9.7	9.2	8.7	8.1	7.6	7.0	6.4	5.6	4.7	2.9																	
		40	9.6	9.2	8.6	8.1	7.5	6.9	6.2	5.6	4.3	3.0	1.5																	
		50	9.1	8.5	8.0	7.4	6.8	6.2	5.3	4.3	2.2																			
60	8.4	7.9	7.3	6.8	6.0	5.3	3.8	2.3																						
SHUT-OFF PSI:			122	113	105	96	87	79	70	61	53	44	35	27	18	10														
7S07-15	3/4	0					10.2	9.9	9.5	9.2	8.8	8.4	8.0	7.6	7.1	6.7	5.6	2.9												
		20				10.1	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.5	6.1	5.4	3.6												
		30			10.0	9.7	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	5.9	5.4	4.5	1.8												
		40		10.0	9.7	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.4	5.9	5.2	4.5	3.2	1.0												
		50	9.9	9.6	9.2	8.9	8.5	8.1	7.6	7.2	6.8	6.4	5.8	5.2	4.2	3.2	1.6													
60	9.5	9.2	8.8	8.4	8.0	7.6	7.2	6.7	6.2	5.7	4.9	4.2	2.8	1.4																
SHUT-OFF PSI:			170	101	153	144	135	127	118	110	101	92	84	75	66	58	49	32	6											
7S10-19	1	0							10.1	9.8	9.6	9.3	9.0	8.7	8.4	8.0	7.4	6.4	4.8											
		20					10.0	9.8	9.5	9.2	8.9	8.6	8.3	7.9	7.6	7.3	6.6	5.3	2.8											
		30				10.0	9.7	9.5	9.2	8.9	8.5	8.2	7.9	7.6	7.3	6.9	6.2	4.6	1.4											
		40				10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.8	7.5	7.2	6.9	6.5	5.6	3.7											
		50		10.2	9.9	9.7	9.4	9.1	8.8	8.4	8.1	7.8	7.5	7.2	6.8	6.5	6.0	5.0	2.4											
60	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.4	7.1	6.8	6.4	6.0	5.5	4.2														
SHUT-OFF PSI:			218	209	200	192	183	174	166	157	148	140	131	123	114	105	97	79	53	27										
7S15-26	1 1/2	0									10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.3	7.6	6.9	6.1	4.4								
		20								10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.0	7.3	6.6	5.7	3.7								
		30								10.1	10.0	9.8	9.6	9.4	9.1	8.9	8.7	8.5	8.2	7.8	7.1	6.3	5.2	2.9						
		40						10.1	9.9	9.7	9.6	9.3	9.1	8.9	8.7	8.4	8.2	8.0	7.5	6.8	5.9	4.7	1.9							
		50				10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.7	7.2	6.5	5.5	4.1									
60				10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.7	7.2	6.5	5.5	4.1											
SHUT-OFF PSI:					274	265	257	248	239	231	222	213	205	196	187	179	161	135	110	84	49									
7S20-32	2	0	0									10.6	10.5	10.4	10.4	10.3	10.1	9.6	9.1	8.4	7.3	5.7								
		20	46.2								10.5	10.5	10.4	10.3	10.3	10.2	10.0	9.8	9.2	8.6	7.8	6.6	4.8							
		30	69.3								10.5	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.6	9.0	8.3	7.5	6.2	4.3						
		40	92.4							10.5	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.7	9.4	8.8	8.0	7.2	5.8	3.9						
		50	116							10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.5	9.1	8.5	7.7	6.8	5.4	3.3						
60	139							10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.5	9.3	8.9	8.2	7.4	6.4	5.0								
SHUT-OFF PSI:						343	334	326	317	308	300	291	282	274	265	256	239	213	187	161	126	83								

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



10S EASY SELECTION CHART

10 GPM

SELECTION CHARTS

FLOW RANGE

PUMP OUTLET
1 1/4" NPT

(Ratings are in GALLONS PER MINUTE-GPM)

(5 TO 14 GPM)

DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET

PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100				
10S03-6	1/3	20	14.0	13.2	12.4	10.6	8.9	5.3																							
		30	13.2	11.8	10.4	8.4																									
		40	11.9	10.1	8.3																										
		50	9.8	7.5																											
		60	7.7	3.9																											
SHUT-OFF PSI:			64	55	47	38	29	21	12	3																					
10S05-9	1/2	0				14.1	13.4	12.4	11.4	10.4	9.5	8.3	6.6	3.5																	
		20			13.9	13.1	12.1	11.1	10.1	9.2	7.9	5.8	2.0																		
		30	13.8	13.0	12.0	11.0	10.0	9.0	7.6	5.3	1.2																				
		40	12.8	11.8	10.8	9.8	8.8	7.3	4.8																						
		50	11.7	10.7	9.7	8.6	7.0	4.3																							
SHUT-OFF PSI:			100	92	83	74	66	57	48	40	31	23	14	5																	
10S07-12	3/4	0					14.3	13.8	13.2	12.5	11.7	11.0	10.2	9.5	8.7	7.6	6.0														
		20			14.2	13.6	12.9	12.2	11.5	10.7	10.0	9.3	8.4	7.2	5.4	2.6															
		30		14.1	13.5	12.9	12.1	11.4	10.6	9.9	9.2	8.2	7.0	5.0	2.0																
		40	14.0	13.4	12.8	12.0	11.3	10.5	9.8	9.0	8.1	6.7	4.7	1.4																	
		50	13.3	12.6	11.9	11.1	10.4	9.7	8.9	7.9	6.5	4.2																			
SHUT-OFF PSI:			137	129	120	111	103	94	85	77	68	59	51	42	33	25	16														
10S10-15	1	0							14.1	13.6	13.1	12.5	11.9	11.3	10.7	10.1	9.6	8.2	3.8												
		20						13.9	13.5	12.9	12.3	11.7	11.1	10.5	10.0	9.4	8.7	7.9	5.2												
		30				13.9	13.4	12.8	12.2	11.6	11.0	10.5	9.9	9.3	8.6	7.7	6.6	2.6													
		40		14.2	13.8	13.3	12.7	12.1	11.5	10.9	10.4	9.8	9.2	8.5	7.6	6.3	4.6														
		50	14.1	13.7	13.2	12.6	12.1	11.4	10.9	10.3	9.7	9.1	8.3	7.4	6.1	4.3	1.7														
SHUT-OFF PSI:			174	165	157	148	139	131	122	113	105	96	87	79	70	61	53	35	10												
10S15-21	1 1/2	0								14.2	13.9	13.6	13.3	12.9	12.5	12.0	11.2	9.9	8.5	6.3											
		20							14.1	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.0	10.2	8.9	6.9	2.9										
		30					14.1	13.8	13.5	13.1	12.7	12.3	11.8	11.4	11.0	10.5	9.7	8.3	5.7												
		40				14.1	13.8	13.4	13.0	12.6	12.2	11.8	11.3	10.9	10.5	10.1	9.2	7.5	4.1												
		50			14.0	13.7	13.3	13.0	12.5	12.1	11.7	11.3	10.8	10.4	10.0	9.6	8.7	6.5	2.0												
SHUT-OFF PSI:			237	229	220	211	203	194	185	177	168	159	151	142	133	125	107	81	55	29											
10S20-27	2	0												14.1	13.9	13.7	13.4	12.8	11.8	10.8	9.8	8.3	4.7								
		20											14.1	13.8	13.6	13.3	13.0	12.7	12.0	11.0	10.0	9.0	7.1	1.5							
		30									14.0	13.8	13.5	13.3	12.9	12.6	12.3	11.6	10.6	9.7	8.6	6.2									
		40							14.2	14.0	13.8	13.5	13.2	12.9	12.6	12.2	11.9	11.2	10.3	9.3	8.1	5.2									
		50					14.2	14.0	13.7	13.5	13.2	12.8	12.5	12.2	11.9	11.5	10.9	9.9	8.9	7.4	3.8										
SHUT-OFF PSI:						285	276	268	259	250	242	233	224	216	207	198	181	155	129	103	68	25									
10S30-34	3	0																13.8	13.2	12.5	11.9	10.9	9.6	7.9	4.8						
		20																13.9	13.7	13.3	12.7	12.0	11.3	10.3	8.9	6.7	2.7				
		30																13.9	13.7	13.5	13.1	12.4	11.7	11.0	10.0	8.5	6.0	1.3			
		40														14.0	13.8	13.7	13.5	13.3	12.8	12.2	11.5	10.8	9.7	8.0	5.1				
		50											14.0	13.8	13.6	13.4	13.2	13.0	12.6	11.9	11.2	10.5	9.4	7.5	4.2						
SHUT-OFF PSI:												332	324	315	306	298	289	272	246	220	194	159	116	73	29						

See 10S performance curves for higher head models.
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

16S EASY SELECTION CHART

16 GPM

SELECTION CHARTS

FLOW RANGE

PUMP OUTLET

(Ratings are in GALLONS PER MINUTE-GPM)

(10 TO 20 GPM)

1 1/4" NPT

		DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																															
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100						
16S05-5	1/2	20	20.3	18.2	14.1	10.0	5.0																										
		30	17.3	14.4	8.0	1.6																											
		40	12.7	8.0	4.0																												
		50	6.5																														
		60	2.9																														
SHUT-OFF PSI:			58	49	40	32	23	14																									
16S07-8	3/4	0					20.5	19.2	17.5	15.8	12.8	9.8	5.2																				
		20				20.1	18.8	16.9	15.2	11.8	8.5	4.3																					
		30	21.2	19.9	18.4	16.9	14.3	11.8	7.5	3.2	1.6																						
		40	19.7	18.3	16.3	14.3	10.8	7.2	3.6																								
		50	17.9	16.3	13.5	10.7	6.2	1.7																									
60	15.7	13.5	9.6	5.8	2.9																												
SHUT-OFF PSI:			97	88	80	71	62	54	45	36	28	19	10																				
16S10-10	1	0						20.8	19.8	18.8	17.3	15.9	13.7	11.4	8.0	4.7																	
		20					20.5	19.4	18.3	16.8	15.3	12.9	10.5	7.0	3.5	1.8																	
		30				20.3	19.3	18.1	16.8	14.8	12.8	9.8	6.7	3.3																			
		40			20.2	19.1	18.0	16.4	14.8	12.2	9.6	5.9	2.3																				
		50	20.0	19.0	17.7	16.3	14.2	12.0	8.8	5.6	2.8																						
60	18.8	17.6	15.8	14.1	11.3	8.6	4.8																										
SHUT-OFF PSI:			123	115	106	97	89	80	71	63	54	45	37	28	19	11																	
16S15-14	1 1/2	0								21.0	20.3	19.6	18.8	18.0	16.9	15.8	14.3	10.7	3.3														
		20								20.1	19.3	18.5	17.7	16.6	15.4	13.8	12.2	10.0	5.1														
		30							20.7	20.0	19.2	18.4	17.4	16.5	15.1	13.7	11.8	9.8	7.3	2.4													
		40					20.6	19.8	19.1	18.3	17.4	16.0	15.0	13.3	11.6	9.3	7.0	4.3															
		50			20.4	19.8	18.9	18.2	17.2	16.1	14.7	13.2	11.2	9.1	6.5	3.9	2.0																
60		20.3	19.6	18.8	18.0	17.1	15.8	14.5	12.8	11.0	8.6	6.3	3.4																				
SHUT-OFF PSI:				167	158	149	141	132	123	115	106	97	89	80	71	63	54	37	28														
16S20-18	2	0										21.2	20.6	20.0	19.5	18.9	18.2	16.7	13.5	8.8	2.7												
		20										20.4	19.8	19.3	18.7	18.0	17.3	16.4	14.3	10.0	4.2												
		30									20.3	19.8	19.2	18.6	17.9	17.2	16.3	15.3	12.8	7.9	1.9												
		40								20.3	19.7	19.1	18.5	17.8	17.1	16.1	15.2	13.9	11.1	5.7													
		50						20.2	19.6	19.0	18.3	17.7	16.8	16.0	14.9	13.8	12.3	9.2	3.2														
60					20.1	19.5	18.9	18.3	17.5	16.8	15.8	14.8	13.5	12.3	10.6	7.0																	
SHUT-OFF PSI:						194	186	177	168	160	151	142	134	125	116	108	90	65	39	13													
16S30-24	3	0																	19.6	18.3	16.5	14.2	9.8	2.1									
		20																	20.3	19.9	19.5	18.6	17.0	14.8	11.8	6.5							
		30																	20.3	19.8	19.4	19.0	18.0	16.3	13.7	10.4	4.7						
		40																	20.2	19.8	19.3	18.9	18.4	17.3	15.3	12.5	8.9	2.8					
		50																	20.2	19.8	19.3	18.8	18.3	17.8	16.7	14.3	11.3	7.3					
60																	20.1	19.7	19.2	18.8	18.3	17.8	17.2	15.8	13.3	9.8	5.5						
SHUT-OFF PSI:																		239	230	221	213	204	195	187	169	143	117	91	57	13			
16S50-38	5	0																				21.5	20.4	18.7	16.5	13.4	8.9	2.1					
		20																					20.9	19.6	17.7	15.2	11.5	6.1					
		30																						21.4	20.5	19.2	17.2	14.5	10.5	4.5			
		40																						21.1	20.2	18.8	16.7	13.7	9.3	2.7			
		50																							21.6	20.7	19.8	18.4	16.1	12.8	8.0	0.8	
60																								21.3	20.4	19.4	17.9	15.4	11.9	6.6			
SHUT-OFF PSI:																									314	288	262	227	184	141	98	54	11

See 16S performance curves for higher head models.
 SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

25S EASY SELECTION CHART

25 GPM

SELECTION CHARTS

FLOW RANGE

PUMP OUTLET

(Ratings are in GALLONS PER MINUTE-GPM)

(18 TO 32 GPM)

1 1/2" NPT

		DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																												
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100			
25S05-3	1/2	20	18.6	6.5	3.3																									
		30	10.5																											
		40																												
		50																												
		60																												
SHUT-OFF PSI:			31	22	13	5																								
25S07-5	3/4	0			34.5	29.8	23.9	18.1																						
		20	32.9	28.6	21.8	15.1	7.5																							
		30	27.1	22.5	12.3	2.0																								
		40	19.5	11.8	5.8																									
		50	10.1																											
SHUT-OFF PSI:			57	48	39	31	22	13																						
25S10-7	1	0					31.3	28.5	24.3	20.2	12.7	5.1																		
		20		33.2	30.3	27.6	22.9	18.3	10.4	2.5	1.3																			
		30	33.0	29.9	26.5	23.1	13.0	9.6	4.8																					
		40	29.4	26.6	21.3	16.2	8.2																							
		50	25.3	21.5	14.3	7.0	3.5																							
SHUT-OFF PSI:			83	74	65	57	48	39	31	22	13	5																		
25S15-9	1 1/2	0						32.2	30.0	27.9	24.8	21.6	16.3	10.8																
		20				31.5	29.3	27.2	23.7	20.3	14.5	8.8	4.4																	
		30				31.3	29.1	26.4	23.7	18.9	14.2	7.8	1.5																	
		40		30.8	28.6	26.3	22.6	18.8	12.8	6.8	3.4																			
		50	30.6	28.4	25.5	22.5	17.4	12.3	6.2																					
SHUT-OFF PSI:			109	100	91	83	74	65	57	48	39	31	22	13																
25S20-11	2	0						33.1	31.1	29.3	27.6	25.1	22.5	18.5	14.5	9.3														
		20					32.5	30.6	28.8	27.0	24.3	21.5	17.3	13.0	7.8	2.5														
		30				32.0	30.3	28.7	26.4	24.2	20.6	16.9	12.0	7.0	3.5															
		40			31.8	30.1	28.2	26.3	23.3	20.4	15.9	11.4	6.3																	
		50		31.5	29.8	28.1	25.7	23.3	19.4	15.6	10.4	5.3	2.7																	
SHUT-OFF PSI:			135	126	118	109	100	92	83	74	66	57	48	40	31	23														
25S30-15	3	0										32.3	31.0	29.8	28.4	27.1	25.2	20.7												
		20									31.8	30.6	29.3	28.0	26.6	24.6	22.7	19.8	13.5											
		30					33.0	31.7	30.4	29.2	27.8	26.2	24.5	22.1	19.7	16.4	9.3													
		40				32.8	31.5	30.3	29.0	27.5	26.0	24.0	21.9	19.0	16.1	12.4	4.9													
		50			32.6	31.3	30.0	28.7	27.4	25.7	23.8	21.3	18.8	15.3	12.0	8.2	2.2													
SHUT-OFF PSI:				170	161	152	144	135	126	118	109	100	92	83	74	66	48													
25S50-26	5	0																32.5	30.3	28.0	25.3	19.9	10.2							
		20																	32.3	30.8	28.6	25.9	22.5	15.8	5.0					
		30																	32.1	31.3	29.9	27.7	24.7	20.8	13.5	2.5				
		40																	32.0	31.3	30.5	29.1	26.7	23.3	18.9	11.0				
		50																	32.7	31.8	31.2	30.4	29.7	28.2	25.5	21.8	16.8	8.5		
SHUT-OFF PSI:												253	245	236	227	219	210	193	167	141	115	80	37							

See 25S performance curves for higher head models.
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

40S EASY SELECTION CHART

40 GPM

SELECTION CHARTS

FLOW RANGE
(24 TO 55 GPM)

PUMP OUTLET
2" NPT

(Ratings are in GALLONS PER MINUTE-GPM)

PUMP MODEL		HP	PSI	DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																								
				20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100
40S10-3	1	20	46.2	33.0																								
		30	69.3																									
		40	92.4																									
		50	116																									
		60	139																									
		SHUT-OFF PSI:		0	28	19	11	2																				
40S15-5	1 1/2	0	0				52.0	41.0	24.0																			
		20	46.2	57.0	50.0	37.0	18.0																					
		30	69.3	48.0	34.0	15.0																						
		40	92.4	31.0	11.0																							
		50	116	7.0																								
		60	139																									
SHUT-OFF PSI:		0	52	44	35	26	18	9																				
40S20-7	2	0	0				54.0	49.0	40.0	29.0	15.0																	
		20	46.2			53.0	46.0	37.0	25.0	10.0																		
		30	69.3			52.0	45.0	35.0	23.0	8.0																		
		40	92.4			51.0	44.0	33.0	21.0	5.0																		
		50	116			42.0	32.0	18.0	2.0																			
		60	139			30.0	16.0																					
SHUT-OFF PSI:		0	77	68	59	51	42	33	25	16	7																	
40S30-9	3	0	0						53.0	47.0	41.0	32.0	22.0															
		20	46.2					51.0	45.0	38.0	29.0	19.0																
		30	69.3					50.0	44.0	37.0	28.0	17.0																
		40	92.4					54.0	50.0	43.0	35.0	26.0	15.0															
		50	116					54.0	49.0	42.0	34.0	24.0	13.0															
		60	139					48.0	41.0	33.0	23.0	11.0																
SHUT-OFF PSI:		0	102	94	85	76	68	59	50	42	33	24	16	7														
40S50-12	5	0	0								53.0	49.0	44.0	39.0	32.0	25.0	16.0											
		20	46.2								52.0	48.0	43.0	37.0	30.0	22.0	13.0											
		30	69.3								51.0	47.0	42.0	36.0	29.0	21.0	12.0											
		40	92.4								51.0	46.0	41.0	35.0	28.0	20.0	11.0											
		50	116								54.0	50.0	45.0	40.0	34.0	26.0	18.0	9.0										
		60	139								53.0	49.0	45.0	39.0	33.0	25.0	17.0	8.0										
SHUT-OFF PSI:		0																										
40S50-15	5	0	0																									
		20	46.2																									
		30	69.3																									
		40	92.4																									
		50	116																									
		60	139																									
SHUT-OFF PSI:		0																										
40S75-21	7 1/2	0	0																									
		20	46.2																									
		30	69.3																									
		40	92.4																									
		50	116																									
		60	139																									
SHUT-OFF PSI:		0																										
40S75-25	7 1/2	0	0																									
		20	46.2																									
		30	69.3																									
		40	92.4																									
		50	116																									
		60	139																									
SHUT-OFF PSI:		0																										
40S100-30	10	0	0																									
		20	46.2																									
		30	69.3																									
		40	92.4																									
		50	116																									
		60	139																									
SHUT-OFF PSI:		0																										

* 6" Motor

See 40S performance curves for higher head models.
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

60S EASY SELECTION CHART

60 GPM

SELECTION CHARTS

(Ratings are in GALLONS PER MINUTE-GPM)

FLOW RANGE
(40 TO 75 GPM)

PUMP OUTLET
2" NPT

DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET

PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100					
60S20-4	2	20	72.3	64.5	38.6	12.7	6.3																									
		30	58.6	44.9	22.4																											
		40	30.4																													
		50	17.9																													
		60																														
SHUT-OFF PSI:			46	37	29	20	11	3																								
60S30-5	3	0				74.8	66.8	58.8	34.3																							
		20	77.8	72.9	63.8	54.8	27.4																									
		30	76.0	64.3	47.3	30.0	15.0																									
		40	60.4	49.9	25.0																											
		50	40.4	19.4	9.8																											
SHUT-OFF PSI:			60	51	42	34	25	16	8																							
60S50-7	5	0					77.5	73.8	68.4	63.1	52.2	41.3																				
		20			76.3	72.4	66.6	61.1	48.3	35.8	17.9																					
		30		76.0	71.3	66.5	57.8	49.2	24.6																							
		40	75.1	71.0	64.6	58.2	43.8	29.4	14.8																							
		50	69.7	64.6	54.8	44.9	22.5																									
SHUT-OFF PSI:			88	80	71	62	54	45	36	28	19	10																				
60S50-9	5	0						74.8	71.7	67.3	63.0	55.6	48.2	32.8	17.3																	
		20					73.8	70.5	65.9	61.3	53.0	44.8	27.5	10.2	5.1																	
		30			76.5	73.5	69.6	65.7	59.4	53.2	40.7	28.1	14.0																			
		40		76.2	72.8	69.3	64.3	59.4	50.3	41.0	20.5																					
		50	75.5	72.5	68.3	64.2	57.3	50.4	36.3	22.2	11.1																					
SHUT-OFF PSI:			115	106	98	89	81	72	63	55	46	37	29	20	11	3																
*60S75-13	7 1/2	0								77.3	75.4	73.1	70.7	67.8	64.8	60.7	50.0	21.5														
		20							76.8	74.8	72.3	69.9	66.8	63.8	59.3	55.0	47.9	28.9														
		30						76.6	74.3	72.1	69.3	66.6	62.8	59.2	53.3	47.7	38.2	14.3														
		40					76.2	74.1	71.6	69.1	65.8	62.7	57.9	53.3	45.6	37.9	25.0	6.0														
		50			75.9	73.6	71.3	68.4	65.6	61.7	57.7	51.6	45.4	35.0	24.7	12.3																
SHUT-OFF PSI:					152	143	134	126	117	108	100	91	82	74	65	56	48	30	4													
*60S100-18	10	0												76.5	75.0	73.3	69.8	63.1	52.6	35.8												
		20												76.1	74.6	72.8	71.2	69.2	64.7	55.8	40.0	14.2										
		30												75.9	74.3	72.7	70.8	68.9	66.7	61.6	50.9	31.5										
		40												75.7	74.1	72.3	70.6	68.5	66.5	63.9	58.0	45.0	20.7									
		50												75.4	73.8	72.1	70.2	68.3	66.0	63.7	60.7	53.6	37.5	10.0								
SHUT-OFF PSI:									186	177	169	160	152	143	134	126	117	100	74	46	22											

* 6" Motor

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

75S EASY SELECTION CHART

75 GPM

SELECTION CHARTS

FLOW RANGE
(45 TO 95 GPM)

PUMP OUTLET
2" NPT

(Ratings are in GALLONS PER MINUTE-GPM)

		DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET																												
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100			
75S20-3	2	20	69.6	45.8	22.9																									
		30	36.2																											
		40	12.4																											
		50																												
		60																												
SHUT-OFF PSI:			32	23	14	6																								
75S30-5	3	0			89.8	90.2	78.8	67.6																						
		20	96.3	86.8	74.8	62.9	31.5																							
		30	85.8	74.2	51.8	29.5	14.8																							
		40	70.2	57.1	28.6																									
		50	35.3																											
SHUT-OFF PSI:			58	49	41	32	23	15																						
75S50-8	5	0						93.3	86.5	79.6	72.0	64.5	46.9	29.4																
		20			97.4	91.3	84.7	77.5	69.4	61.3	40.3	19.4	9.8																	
		30		96.9	90.1	83.3	76.3	69.3	56.3	43.1	21.6																			
		40	95.5	89.1	82.3	75.4	66.5	57.5	28.8																					
		50	88.0	81.2	73.9	66.7	51.2	35.8	17.9																					
SHUT-OFF PSI:			98	90	81	72	64	55	46	38	29	20	12	3																
*75S75-11	7 1/2	0							97.8	93.3	88.8	84.3	79.8	75.1	70.4	63.7	43.4													
		20						96.5	92.0	87.4	82.9	78.3	73.5	68.8	61.4	54.0	38.8	11.8												
		30					95.7	91.3	86.8	82.2	77.6	73.1	67.3	61.4	50.3	39.3	19.7													
		40				95.2	90.6	86.0	81.5	77.0	72.0	67.0	58.9	50.8	33.5	16.3	8.2													
		50			94.3	89.9	85.3	80.8	76.2	71.6	65.3	59.0	46.6	34.2	17.1															
SHUT-OFF PSI:			151	142	133	125	116	107	99	90	81	73	64	55	47	38	29	12												
*75S100-15	10	0										96.7	93.4	90.0	86.5	83.2	76.3	64.7	40.9											
		20									95.7	92.4	88.9	85.5	82.1	78.7	75.2	67.4	49.3	12.5										
		30								95.3	91.8	88.4	85.0	81.5	78.2	74.8	70.9	61.6	37.1											
		40					98.0	94.7	91.3	87.8	84.4	81.0	77.7	74.1	70.6	66.0	54.0	19.9												
		50				97.3	94.3	90.8	87.3	83.9	80.5	77.1	73.7	69.7	65.8	59.8	43.5													
SHUT-OFF PSI:					178	170	161	152	144	135	126	118	109	100	92	83	66	40	14											

* 6" Motor Performance is the same at Best Efficiency Point only, consult factory for actual performance.
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

