

SOUTHERN CROSS SD

4 Inch (100mm) SUBMERSIBLE PUMPS

ECONOMICAL COMPOSITE/STAINLESS STEEL SUBMERSIBLE PUMPS



FEATURES

Designed for general water supply in 100mm or larger boreholes.

Corrosion resistant 304 stainless steel and high grade composite construction.

Screwed pump outlet connections:
 SD-1, 2 & 4 32mm (1 1/4" BSPF)
 SD-7, 9, 11 & 16 50mm (2" BSPF)

Inbuilt positive sealing non-return valve with natural rubber seat.

304 stainless steel 4 inch NEMA standard motor coupling.

Robust 304 stainless steel cable protector and inlet strainer.

Natural rubber shaft bearings.

Quality NEMA Standard oil filled motors from 0.37 to 5.5kW.

APPLICATIONS

Domestic
 Agricultural
 Stock Watering
 Irrigation
 Pressure Boosting
 Industrial
 Potable Water

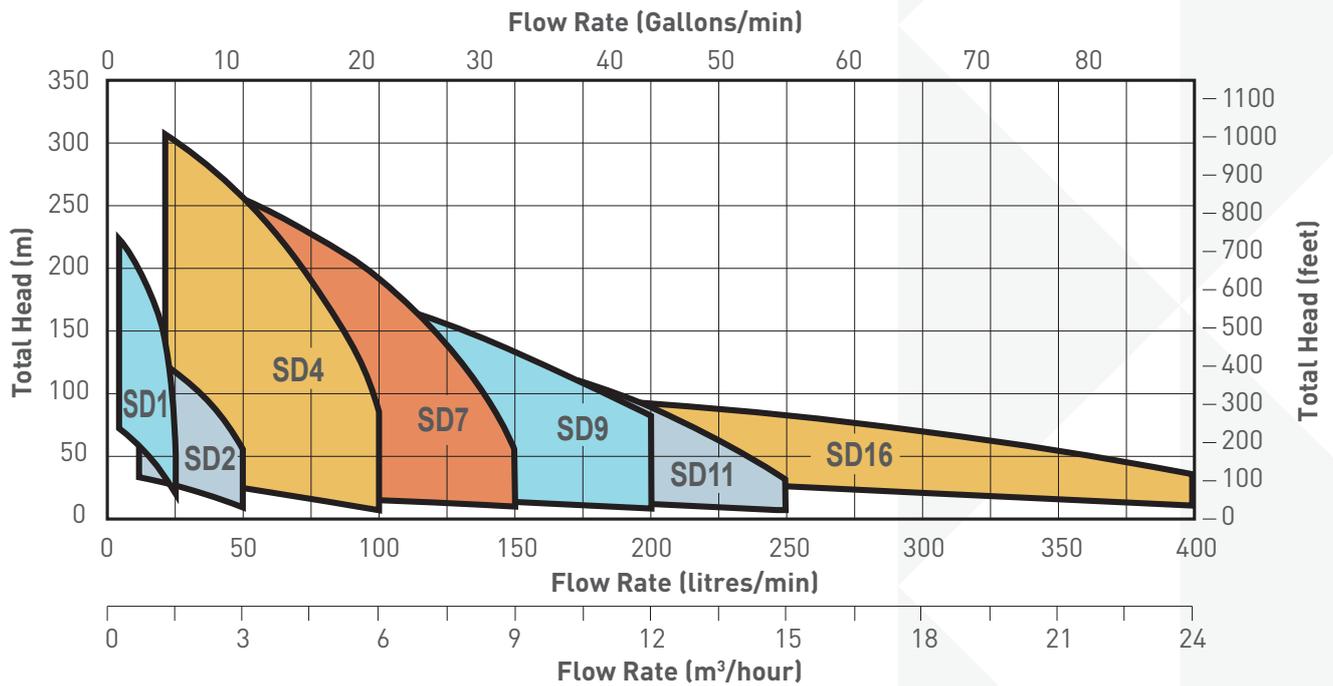
PUMP CONSTRUCTION MATERIALS

Pump Bowls	304 Stainless Steel
Impellers	Noryl
Diffusers	Glass Filled Polycarbonate
Shaft	304 Stainless Steel
Motor Coupling	304 Stainless Steel
Non-Return Valve	304 Stainless Steel
Valve Seat	Natural Rubber
Shaft Bearings	Polyacetal

OPERATING LIMITS

Capacity	Maximum 24m ³ /hour
Head	Maximum 300 metres
Max. Water Temp.	+35° C
Max. Sand Content	50g/m ³
Pumped Liquid	Clean Water

PERFORMANCE



SAVA 4 INCH OIL FILLED SUBMERSIBLE ELECTRIC MOTORS

Single Phase, 240 Volt

Power (kW)	Full Load Current (A)	Start Current (A)	Efficiency (%)	Power Factor (cosΦ)	Thrust Load (N)	Capacitor (μF)
0.37	3.7	12	53	0.85	2000	16
0.55	4.3	15	62	0.90	2000	20
0.75	5.7	20	64	0.90	2000	25
1.1	7.8	32	68	0.90	2000	35
1.5	9.8	38	73	0.90	2000	40
2.2	15	46	72	0.88	3000	55

3 Phase, 415 Volt

Power (kW)	Full Load Current (A)	Start Current (A)	Efficiency (%)	Power Factor (cosΦ)	Thrust Load (N)	Capacitor (μF)
0.37	1.2	4.5	60	0.75	2000	-
0.55	1.6	6.7	64	0.78	2000	-
0.75	2.1	8.9	66	0.78	2000	-
1.1	2.7	12	70	0.84	2000	-
1.5	3.6	14	72	0.84	2000	-
2.2	5.4	22	71	0.83	3000	-
3	7.5	43	73	0.8	5000	-
4	9.9	49	75	0.8	5000	-
5.5	13.8	65	75	0.8	5000	-
7.5	19	87	76	0.8	5000	-

FEATURES

4" NEMA standard

304 grade stainless steel shell and end caps.

420 stainless steel (0.37-2.2kW) or 630 stainless steel shaft (3 - 7.5kW) shaft.

Aluminium (0.37-2.2kW) or copper (3-7.5kW) rotor.

High quality carbon/ceramic mechanical seal.

Non-toxic food grade white oil.

Approved for potable water applications.

F class motor insulation.

OPERATING LIMITS

Max. immersion depth:	200m
Max. water temperature:	35°C
Max. starts per hour:	40
Min. flow rate:	0.2m/sec
Max. voltage variation:	230V±10% 400V±10%



PENTAIR SOUTHERN CROSS

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