

Rapid Pump & Meter Service Co., Inc.

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All Prime S-Line Self-Priming Pumps

All Prime is a product manufactured using the most advanced technology. The design permits easy and fast access to inside parts, to clean up and for easy handling. This pump is totally interchangeable with several other similar pumps. All Prime is the result of more than two generations of skilled professionals globally specialized in the pump industry. The result of this union of generations is a product that can be used in a wide variety of pumping applications.

Maintenance - Easy and Fast

All Prime Pump normal maintenance activities can be done quickly and easily using standard hand tools - saving time and money.

Adjustment - Shimless External Impeller

An easy-to-use external impeller clearance adjustment system allows the impeller and war plate to operate with optimum clearances without disassembly. Using only common hand tools, the pump can be maintained at peak efficiency to extend both impeller and wear plate life.

Automatic Self Priming - No Suction Check Valve Required

The All Prime I and S Series pumps are equipped with a suction check valve but do not require the check valve to be in place to re-prime. The large volume of liquid carried in the volute allows dry suction re-priming.

Inspection and Cleaning Without Disturbing Piping

An advantage of All Prime Pump is that the front cleanout cover and the rotating assembly can be removed without disturbing the piping; thus allowing inspection and cleaning in place with little effort. The S Series pumps have this feature.

Advantages of Self-Primers

Logistics

- No confined space entry required
- Pump located outside the wet well for easier & cleaner access
- No heavy lifting equipment required for repairs
- Powered by standard NEMA motors

Maintenance

- Removable suction cover allows quick unclogging of pump
- Primary wear parts: seal, impeller and wear plate can be changed through removable suction cover
- Rotating assembly easily removed for shop repairs without disturbing piping

Design

- Rugged open impellers for solids handling to 3"
- Both speed and impeller trim can be employed to meet service conditions
- Impeller design keeps seal pressure low and reduces solids buildup in stuffing box
- Suction flapper check valve speeds self-priming and eliminates foot valves

Results 1 - 7 of 7

Item #	A	B	C	D	E	F
S-2	9.25 in 235.0 mm	2.13 in 54.0 mm	6.43 in 163.2 mm	10.83 in 275.0 mm	21.54 in 547.0 mm	5.97 in 151.5 mm
S-3	11.56 in 293.7 mm	3.00 in 76.2 mm	9.00 in 228.6 mm	11.19 in 284.2 mm	26.31 in 668.3 mm	7.50 in 190.5 mm
S-4	12.50 in 317.5 mm	3.06 in 77.8 mm	11.00 in 280.0 mm	11.56 in 293.7 mm	30.25 in 768.4 mm	8.75 in 222.2 mm
S-6	16.00 in 406.4 mm	3.06 in 77.8 mm	11.00 in 279.4 mm	11.56 in 293.7 mm	31.56 in 801.7 mm	10.13 in 257.2 mm
S-8	16.25 in 412.8 mm	4.00 in 101.6 mm	12.00 in 304.8 mm	16.03 in 407.1 mm	40.28 in 1023.1 mm	13.00 in 330.2 mm
S-10	48.71 in 1237.2 mm	28.03 in 712.0 mm	20.68 in 525.3 mm	25.06 in 636.5 mm	4.00 in 101.6 mm	8.00 in 204.3 mm
S-12	63.84 in 1621.5 mm	25.54 in 650.0 mm	56.08 in 1474.7 mm	38.25 in 917.5 mm	20.00 in 508.0 mm	10.63 in 270.0 mm

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