

VARIABLE FLOW WATER SYSTEMS

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1 - 7 GPM VSD DUAL PUMP SYSTEM WITH VARIABLE SPEED DRIVE

PUMPING PRINCIPLES

The Dual VSD combines a smooth flowing VSD water system pump (see Sensor-Max below) with a Par-Max water system pump (see top of page 15) to provide up to 7 gpm when demand increases. The VSD pump with its variable speed motor provides smooth even flow as needed for several outlets. If demand exceeds the VSD's normal operating range the Par-Max kicks in to add enough additional flow to accommodate as many as seven outlets. An accumulator tank is NOT required!

ENGINE COOLING

ENGINEERING TABLES

Model	Max. GPM	Volts	Max Amps	Inlet	Outlet	Dimensions (H x W x L)
JA 31765-0092	7	12 vdc	20	1/2" FPT	1/2" FPT	8.875" x 8.5" x 12 1/2"
JA 31765-0094	7	24 vdc	10	1/2" FPT	1/2" FPT	8.875" x 8.5" x 12 1/2"

TROUBLE-SHOOTING GUIDE

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3.8 - 7.5 GPM VARIABLE FLOW SYSTEM WITH ACCUMULATOR

HOME

The Dual-Max is a versatile variable flow system with two 3.8 gpm pumps, integral one liter bladder type accumulator tank and inlet strainer. Only the primary pump operates under low flow condition. The second pump activates when higher flow is required. See page 139, series 31620 for service parts. See page 139, series 30620 for service parts on the superceded 30670 series.

NEXT

BACK

Model	Max. GPM	Volts	Max Amps	Inlet	Outlet	Dimensions (H x W x L)
JA 31670-0092	7.5	12 vdc	15	3/4" Barb	3/4" Barb	13.32" x 6.94" x 13.16"
JA 31670-0094	7.5	24 vdc	7.5	3/4" Barb	3/4" Barb	13.32" x 6.94" x 13.16"

1 - 4.5 GPM "SENSOR MAX" VSD VARIABLE FLOW WATER SYSTEM

These new pressure sensor controlled, multi-outlet water system pumps have variable speed drive, deliver constant pressure, and will operate with 10 to 29 vdc input. They are self-priming to 10 feet, eliminate the need for an accumulator tank, and conserve battery power by only drawing the amps necessary to deliver your required flow (from 1 to 10 amps).

Model	Max. GPM	Volts	Amps	Inlet / Outlet	Dimensions (H x W x L)
JA 31750-0000	3.7	12 - 24	1 - 10	1/2" Barb and Qest	3.75" x 6.3" x 9.0"
JA 31755-0000	4.5	12 - 24	1 - 10	1/2" Barb and Qest	3.75" x 6.3" x 10.3"

SHURFLO "SMART SENSOR" PUMPS

The first Shurflo Extreme™ Series Pump, the Smart Sensor™ 5.7 is a micro-controller based variable speed pump silently delivering over 5 gallons per minute and pressure up to 65 psi. Shurflo's Smart Sensor™ precisely monitors your system's water pressure and adjusts the motor's speed, thus eliminating the need for a pressure switch.

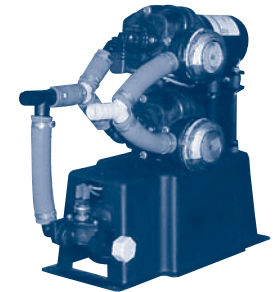
Model	Max. GPM	Volts	Max Amps	Inlet	Outlet	Dimensions (H x W x L)
SF 5901-0211	5+	12 vdc	10	1/2" MPT	1/2" MPT	5.5" x 5.5" x 9.25"
SF 5901-1211	5+	24 & 32 vdc	5	1/2" MPT	1/2" MPT	5.5" x 5.5" x 9.25"

JABSCO



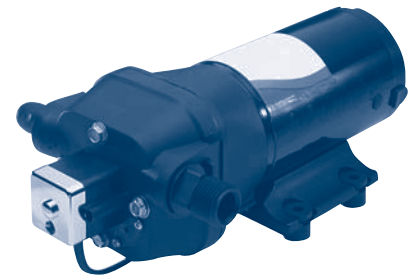
Dual-VSD

JABSCO



Dual-Max

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Sensor-Max

SHURFLO



Smart Sensor