



52530 - Series WPS 22 DOUBLE STACK




VERSATILE TWO STAGE SYSTEM

- Under low demand conditions only the primary pump operates delivering 11lpm (2.9 US GPM).
- Under high demand the secondary pump is activated and flow increases. Under maximum demand total current draw is 5 amps (12v) or 2.5 amps (24v).
- The dual pump configuration offers increased reliability. Should either of the system pumps become inoperable for any reason, the remaining pump will continue to function.

Features

Automatic Two Stage Waste System with Accumulator Tank and Pumpgard Strainer.

- Ideal for pleasure and commercial boats with high demand requirements.
- All units mounted on one board for rapid and easy installation by boatbuilder and boat owner alike
- Up to 22 lpm (5.8 US gpm)
- Self-Priming
- Run dry ability
- Smooth even flow
- Two stage operation
- Internal bladder Accumulator Tank
- Thermal overload protection
- ISO 8846 MARINE (Ignition Protection)
- Connections for 15mm (1/2") Push fit inlet, 19mm (3/4") hose tail outlet
- Shipping weight per unit 7.5 kg (16.5 lbs)
- Unit Weight 6.9kg (15.2 lbs)



Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.

INSTALLATION INSTRUCTIONS

The WPS Double Stack System should be fixed securely to a flat surface in any suitable location within the vessel where it remains accessible for routine maintenance. The unit should be installed within the pipework system after the water tank and before the pipeline divides to serve the hot water heater or other outlets. Connect the pipe from the water tank to the pump inlet. Connect the outlet pipework to the discharge on the accumulator tank.

| Model No | Voltage | System Cut in Pressure | System Cut out Pressure | Amp DRAW (A) @ 10psi | Maximum System Fuse Size* | Cable Length | Minimum Wire Size |
|------------|---------|------------------------|-------------------------|----------------------|---------------------------|--------------|--------------------|
| 52530-3000 | 12V | 2.0 bar (30psi) | 3.4 bar (50psi) | 5 | 10 | Up to 6m | 4mm ² |
| | | | | | | 6 - 11m | 6mm ² |
| | | | | | | Over 11m | 8mm ² |
| 52530-3100 | 24V | 2.0 bar (30psi) | 3.4 bar (50psi) | 2.5 | 5 | Up to 6m | 2.5mm ² |
| | | | | | | 6 - 11m | 4mm ² |
| | | | | | | Over 11m | 6mm ² |

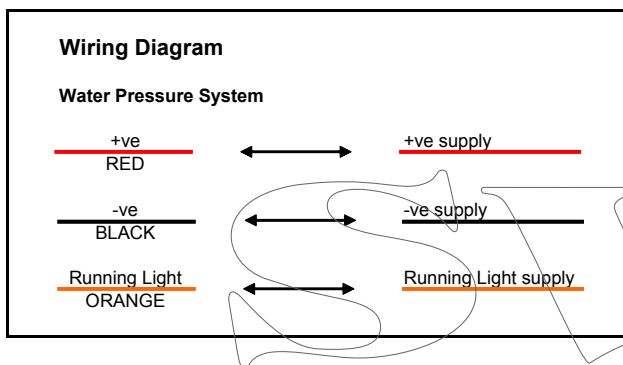
* customer supplied, not included with pump

ELECTRICAL CONNECTIONS

Using the table on the first page select the correct cable size. Cable run is the total length of the cable from the positive battery terminal to the pump and back to the negative terminal.

The connection plug has three cables, one black -ve, two reds, the marked red wire is the +ve power supply cable and the other gives a +ve output to a running light (if fitted) when the pump is running.

The electrical circuit should be protected with an overcurrent protection device in the positive lead.




SERVICING/WINTERISATION

The following points should be noted when servicing or winterising the system:

- Inlet filter should be cleaned periodically
- To re-pressurise the accumulator tank, the pump must be switched off with the outlet taps open. Using an air pump pressurise the tank to 27psi (1.9 bar)
- If pump will be inoperative for a considerable time, turn off circuit to the pump and bleed system by opening faucets.
- When winterising the system, empty the tank and leave the taps open, and switch off the pump.

Please follow instructions in the separate datasheets (water pressure system) for servicing and maintenance of these pumps.



Do not over pressurise system, maximum working pressure is 4 bar (58psi)

OPERATIONAL INSTRUCTIONS

- Check level of water in tank
- Open all faucets hot and cold
- Switch pump on and wait for hot water tank and water lines to fill
- Close each faucet as flow becomes steady and free of air (Close cold water faucet first). Pump should shut off soon after closing the last faucet.
- Pump is now ready for automatic operation. It will start when faucet is open. It is advisable to run the pump for 2 minutes on the first installation to flush fresh water through the pump

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Warranty: All products of the company are sold, and all services of the company are offered subject to the company's warranty and terms of sale, copies of which will be furnished upon request. Details correct at time of printing. We reserve the right to change specifications without prior notice.