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SIZING YOUR WATER SYSTEM PUMPS

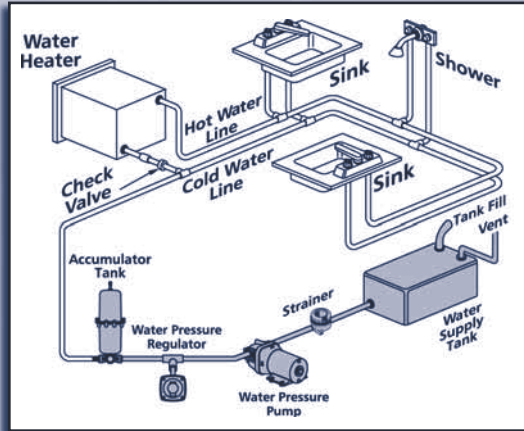
Water systems come in an endless array of flows, pressures, voltages and duty cycles. The most important thing to remember in selecting a water system pump is not to oversize. When installing a water system pump it is important to include an appropriately sized accumulator tank and suction strainer. An oversized pump and/or lack of an accumulator tank will cause pressure switch cycling, pulsating flow, excessive power consumption and reduced service life.

In smaller vessels we recommend selecting a pump that will deliver 1 1/2 - 2 gallons per minute for each fixture you expect to commonly function at the same time (2 fixtures would require 3 - 4 gallons per minute). Your vessel may have 4 fixtures (head, galley, freshwater washdown and deck sink). However, it is highly unlikely you would ever have all four running at the same time. In this situation, sizing your pump for two fixtures (3 - 4 gpm) would be our recommendation.

Larger vessels (yachts to mega-yachts) often use "home type" fixtures on sinks and showers that require higher flow to function optimally. Here we recommend 1 1/2 - 3 1/2 gallons per minute multiplied by the number of fixtures you expect to commonly function at the same time (four operating outlets would require 6 - 14 gallons per minute).

ACCUMULATOR TANKS

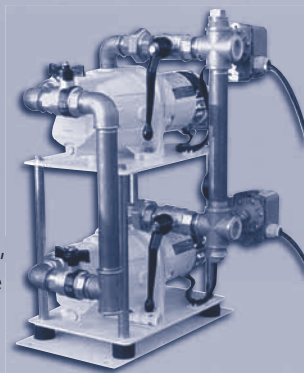
Accumulator tanks are an essential part of many water systems. They reduce pump cycling, smooth out flow and increase pump life. Depco carries a complete selection of accumulator tanks and will be glad to assist you in sizing the right model to meet your system's requirements. See page 20 for product selection.



WHY A DOUBLE PUMP SYSTEM?

A double pump system is often used to provide higher flow during heavy use periods, an in-line back-up if one pump should fail or dual AC/DC voltage capabilities for dockside, generator or battery operation.

Double pump configurations are available from Jabsco, Groco, Johnson, Shurflo and Gianneschi and can be seen on pages 12, 14-17 and 77.



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NEW VARIABLE SPEED TECHNOLOGY CONSERVES POWER AND ELIMINATES THE NEED FOR AN ACCUMULATOR TANK

Advanced electronics allow these compact and affordable water system pumps to utilize a pressure sensor (not a pressure switch) in combination with a variable speed motor to maintain constant pressure at your outlets even when more than one faucet on your vessel (up to the max flow of the pumps) is on at the same time! This unique feature also eliminates the need for a bulky accumulator tank while only drawing the amperage your exact demanded flow requires. See page 12 for details.

