

SEAWATER VALVE INSTALLATION ON NEW MODELS



PRODUCT SEAKEEPER 5 / 6 / 9 / 10 / 14 / 18 / 40

BACKGROUND

Seakeeper models with on-demand cooling utilize a dedicated seawater pump powered through a DC relay. This design is intended to provide optimal levels of seawater cooling to the Seakeeper to maintain critical tolerances of internal components.

Through continued field experience across a wide range of vessel configurations and operating conditions, Seakeeper has identified scenarios in which unintended seawater flow may occur downstream to the heat exchanger when the Seakeeper controls do not command cooling .

This condition may be influenced by factors such as seawater inlet pressure, back-pressure, or plumbing configurations outside of Seakeeper’s control. Installation of the valve removes the potential for unintended seawater flow, helping ensure that cooling occurs only when commanded by the system, thereby further enhancing overall reliability.

The valve assembly is supplied with Seakeeper 5 / 6 / 9 / 10 / 14 / 18 / 40 models and includes 1-inch NPT threads with hose barb fittings corresponding to the Seakeeper model specifications.

MOTORIZED-BALL VALVE INSTALLATION

The following figures illustrate the basic installation wiring and plumbing schematic for the motorized-ball valve and branch-cable with the applicable Seakeeper models. Refer to Seakeeper model specific Cable Block Diagram, Cooling Water Schematic, and Installation Manual for detailed instructions and Part Numbers.

