

The **DBW 2010S** hydronic heater offered by Webasto will heat up to a 52 foot sailboat or a 50 foot powerboat. The **DBW 2010S** utilizes 1" Wirsbo tubing to deliver heated coolant to dual 3/4" fan heater zones throughout the boat. The **DBW 2010S** uses a 1-1/2" rigid exhaust system and a 1/4" supply/return fuel system. The **DBW 2010S** is available in 12 or 24 volts.

The **SMS** installation kit features:

- o **Premium Heat Exchanger**

- o Threaded Coolant Fittings, Union Valves for easy Wirsbo Plumbing, O/H Fuse, Reset Limiter, & Elwood Aquastat

- o **Insulated Buffer Tank**

- o **Surewire Water**

The Surewire Water board puts all electrical connections into one place making installation and troubleshooting of your heater easier than ever before. The Surewire Water is for all Webasto Water heaters. Features include:

- o Ready for hassle free thermostat wiring
 - o Up to four zones!
 - o Domestic water heater control wiring
 - o Easy to add engine heat control
 - o Hour meter to track run time of the heater
 - o Comes with protective stainless enclosure box
 - o Breaker protection of heater in one convenient place
 - o Ground Bar for cleaner wiring

- o **Marine Installation Manual**

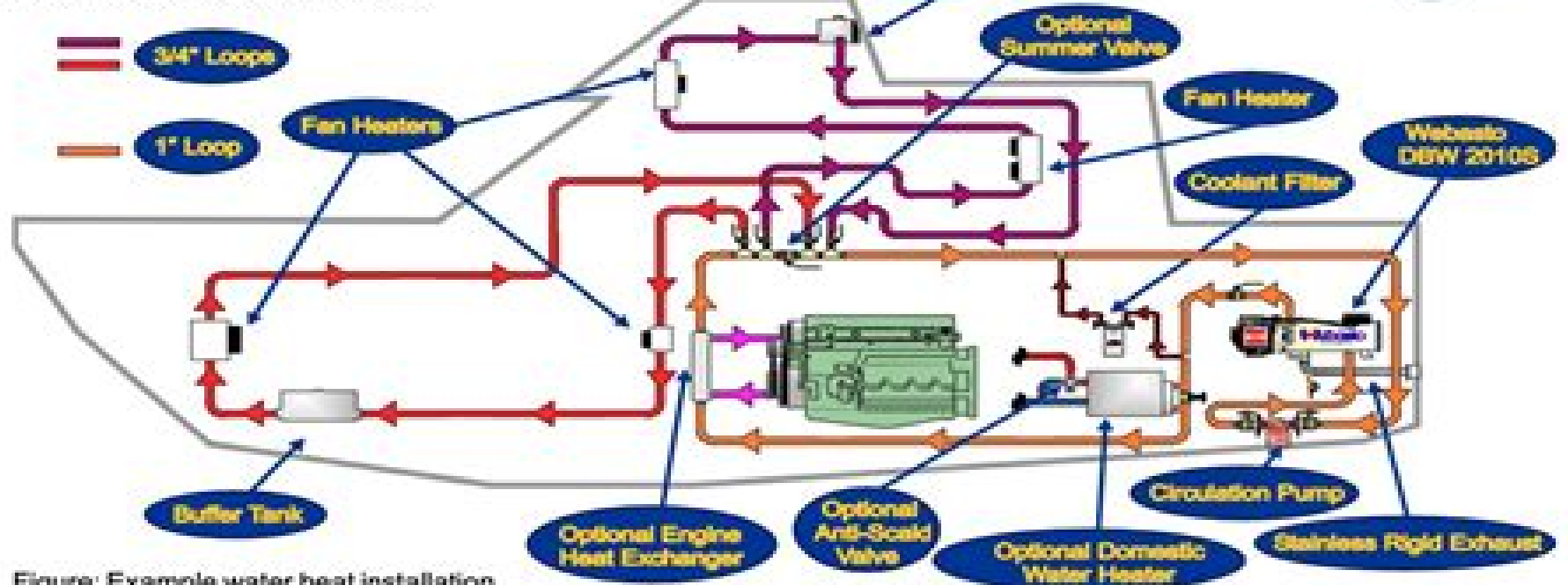


Figure: Example water heat installation.
See manual for installation guidelines.

Marine Hydronic Heating Installation Guide

Michael Hoelscher



Marine Hydronic Heating Installation Guide:

Modern Marine Engineer's Manual Alan Osbourne, 1965 Volume II of the manual that has been absolutely indispensable to the ship's engineer for over forty years was completely updated by a team of practicing marine engineers in 1991. Chapters on obsolete equipment were deleted; those on systems that are still current were updated, and new chapters were written to cover the innovations in materials, machines, and operating practices that evolved recently. **Modern Marine Engineer's Manual** Everett C. Hunt, 2002 This manual first published in 1943 has been indispensable to ship's engineers for generations. The third edition, revised and updated by a team of marine engineers and professors, follows in the venerable style of its predecessors. Text relating to obsolete equipment has been eliminated; information on systems that are still current has been updated, and new material has been added to reflect innovations in equipment and operative practices. Extensive coverage on the newest medium speed diesel engine has been added to the text. Environmental concerns have been recognized with a section on engine exhaust emissions and information about new refrigerants and the maintenance of refrigeration systems. New equipment for trash handling, sewage processing, bilge water discharge, and incineration are discussed with reference to international regulations. Ship trial procedures and the new equipment used in trial data collection are presented in detail.

Standard Industrial Classification Manual United States. Office of Management and Budget. Statistical Policy Division, 1972 USA Standard index for the classification of establishments by an industry code assigned on the basis of the primary activity. **Marine Engineering/log**, 1969-07 **Standard Industrial Classification Manual. 1972**, 1972

Standard Industrial Classification Manual Management and Budget Office, **HVAC/R Terminology: A Quick Reference Guide** Richard Wirz, 2009-04-01 This one of a kind HVAC/R technical reference guide incorporates all the HVAC/R technical terms used in the industry today and is an indispensable resource for professionals dealing with electricity, controls, refrigeration, cycle heating, psychometrics, boilers, heat pumps, heat transfer, load calculations, and more. Covers the entire industry, providing the most comprehensive collection of HVAC/R terms available in one concise location. For those just starting in and seasoned veterans of the HVAC/R industry. The 71 pages of appendices include common industry association abbreviations, business, computer, and medical terminology, area of circles, color codes for resistors, CFM tables, decibel ratings, hazardous time exposure of common noises, duct sizing, conversion charts, and much, much more. **Associations'**

Publications in Print, 1981 1981 in 2 v v 1 Subject index v 2 Title index Publisher title index Association name index Acronym index Key to publishers and distributors abbreviations **Boatowner's Mechanical and Electrical Manual : How to Maintain, Repair, and Improve Your Boat's Essential Systems** Nigel Calder, 2005-05-31 The boatowner's foremost troubleshooting guide, now better than ever. If it's on a boat and it has screws, wires, or moving parts, it's covered in *Boatowner's Mechanical and Electrical Manual*. When you leave the dock with this book aboard, you have at your fingertips the best and most comprehensive advice on battery technologies, 12 and 24 volt DC systems, corrosion bonding, and lightning protection.

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web the reaction yielded 3 grams of cyclohexene according to the calculations found in appendix a this is a yield of 52 there

are a few potential reasons for the yield being lower than ideal there were likely small amounts of substance left behind in previous containers during each transfer

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