Which Keel Cooler?

Frigoboat offers two styles of Keel Cooler, the "Threads" model and the "Bare Bones" version. Both types are constructed of galvanically compatible materials, and the "Threads" model can be ordered with or without sacrificial zincs.

"Threads" Model – E50361 and E50361Z



The "**Threads**" model is very similar to a regular through-hull fitting in that it has a threaded, tubular, 1½" diameter shaft that passes through the hull. A nut is threaded onto the shaft and tightened down. This requires a large wrench and enough clearance for the wrench to swing through. It also requires a helper to restrain the Keel Cooler from rotating on the outside of the boat as the nut is being tightened inside.

Zincs or no Zincs?

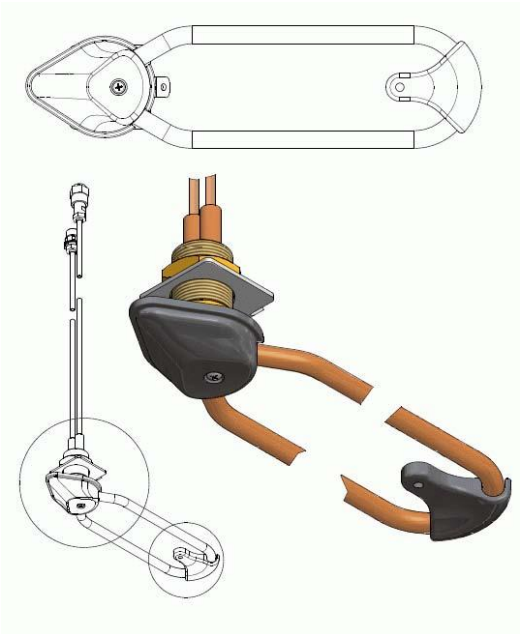


The "**Threads**" version of Keel Cooler is available with or without sacrificial zincs, and a "Z" is added to the Part Number of the model with zincs to distinguish between the two. In the "Z" models there are two, circular zincs that are recessed into the bottom of the Keel Cooler, flush with the surface, and these do not affect performance. It is a requirement of the installation that an electrical connection is made between the Keel Cooler and the battery negative. In satisfying this requirement, the Keel Cooler is often connected electrically to the boats' sacrificial zinc that is protecting the other underwater metal fittings. If this is found to be the case, a Keel Cooler with zincs is not necessary. If a "Z" model is used in a situation where zincs are not required, it may result in excessive zinc loss from the Keel Cooler zincs, as these will tend to take over the job previously performed by the boats' zinc.

If the boat does not have a bonding system and/or employs non-metallic underwater fittings it would be advisable to use a Keel Cooler with zincs as a safety precaution. Ultimately the choice of whether to use a Keel Cooler with or without zincs rests with the purchaser. If in doubt, consult a marine corrosion specialist.

"Bare Bones" Keel Cooler

This is a threads model without a sintered bronze encapsulation, resulting in a significant cost reduction over the sintered ground plate models. The exposed cupro-nickel condensing tube is secured by a plastic restrainer, and all components are faired to provide smooth water flow and maximum protection. There is no option of a sacrificial zinc(s).



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