



Cooling water strainer model 140

Introduction

The Vetus cooling water strainers model 140 are equipped with a transparent lid, so inspection can be carried out without opening the strainer. Due to the large active surface the strainer seldom needs to be cleaned.

In a standard installation situation (see 'Installation example', drawing 1) the capacity is as per technical data, the capacity depends of the diameter of the hose connection.

Installation

- Install the water strainer always above the waterline. Mount the strainer against a vertical bulkhead.
- Always install a sea-cock on the water inlet scoop!
- For both connections, water scoop to strainer and strainer to engine, always use flexible hose.
- Use only water and/or soap to ease fitting the hoses to the hose pillars and never products containing grease or oil.
- Fit each hose connection with 2 stainless steel hose clamps.

Use and maintenance

- Inspect the strainer element regularly for contaminants. NB. The lid doesn't need to be removed for inspection.
- Clean the strainer element if dirt has accumulated.
- Close the seacock before unscrewing the lid of the water strainer.
- Remove the strainer element from the housing and flush the strainer with clean water. Reinstall the strainer element, grease the O-ring and the thread with silicone oil or teflon based spray, see drawing 4, and reinstall the lid.

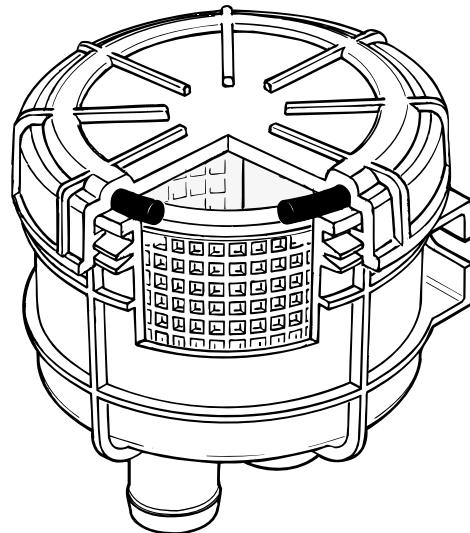
NB. Always secure or loosen the lid manually. Never use tools for this purpose, see drawing 2 and 3.

Check the seal between lid and housing after cleaning and re-assembling the strainer. An improperly sealed lid will result in air sucked in by the sea water pump of the engine which again will result in overheating of the engine.

To prevent damage of the water strainer, during frost in the winter time, either the water must be drained or the installation must be filled with anti-freeze.

Remove the hoses to drain the strainer; the housing is not equipped with a drain plug.

Take care that during filling with anti-freeze no anti-freeze is spilled into the waterway. Anti-freeze is poisonous.



Technical data

Material housing	Polypropylene GF
Material strainer element	Polyamide
Material lid	Styrol/Acrylonitrile SAN
Weight	approx. 0.25 kg (0.55 lb)
Max. ambient temperature	75 °C (167°F)
Max. water temperature	55 °C (131°F)
Max. pressure	0.5 bar (50 kPa, 7 psi)

Model	Hose connection	Recommended capacity in normal use		
		l/min	Imp.Gal/min	US Gal/min
FTR140/13	13 mm (1/2")	23	5	6
FTR140/16	16 mm (5/8")	35	8	9
FTR140/19	19 mm (3/4")	51	11	13



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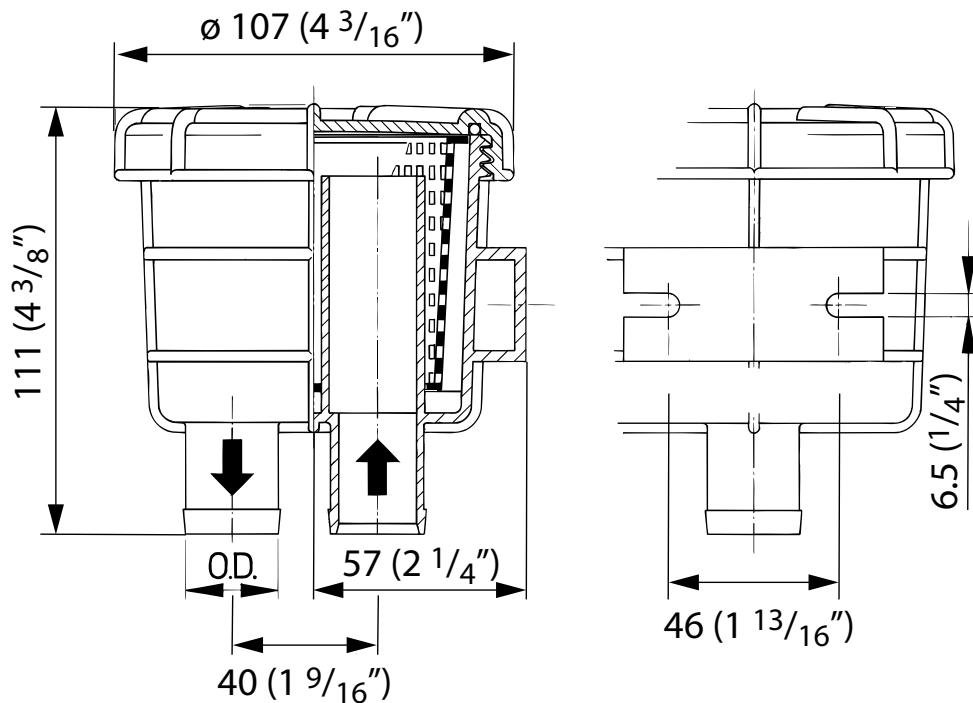
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Sales Ph +64 9 309 0048 · sales@generalmarine.co.nz
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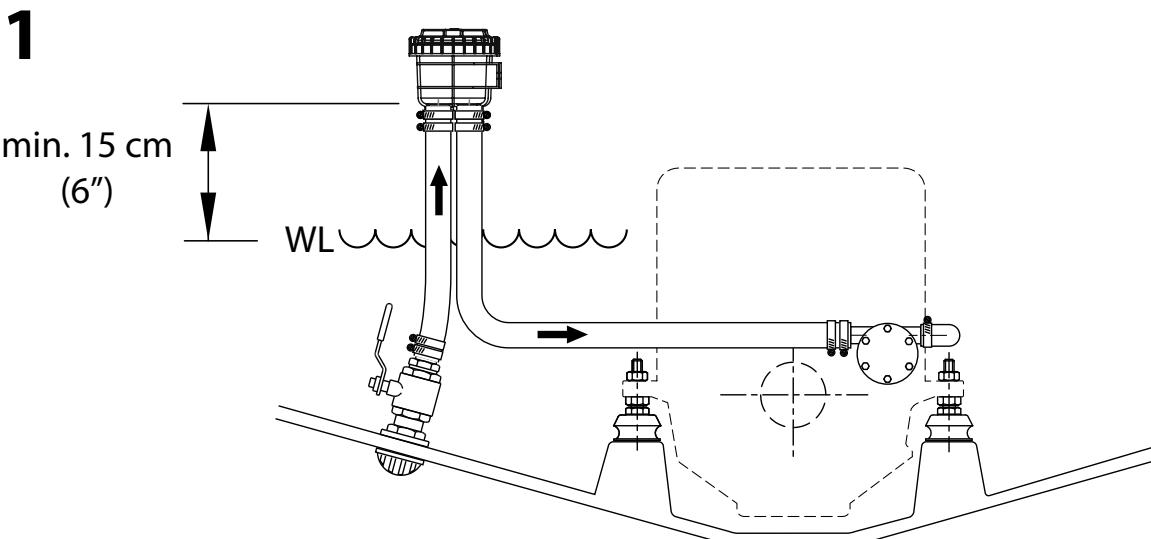


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Overall dimensions



Installation examples



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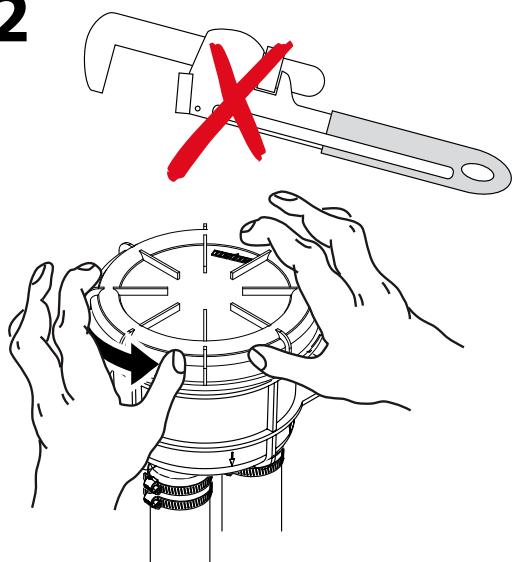
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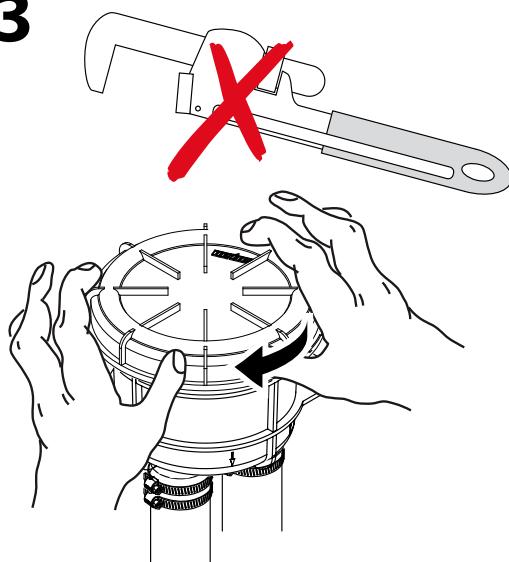
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Use and maintenance

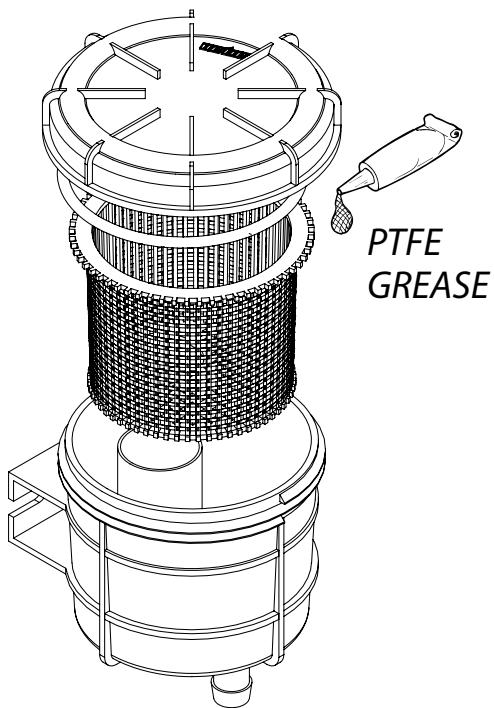
2



3



4



Do not overtighten!



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