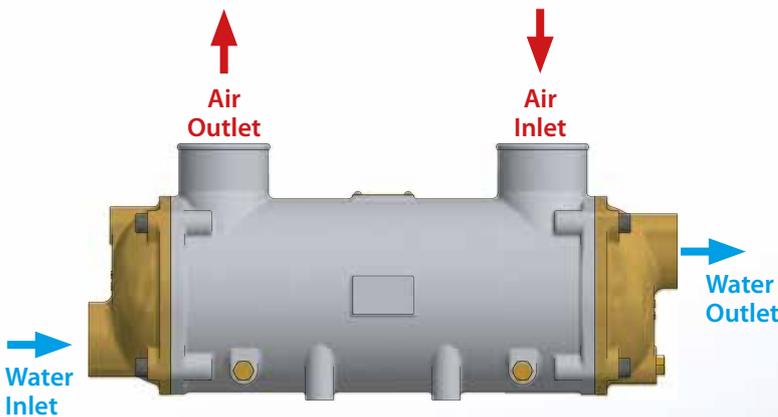


Installation

Bowman Charge Air Coolers must always be mounted so that the water outlet is uppermost (see diagram below). They must not be operated without an adequate water flow and when used in conjunction with our header tank heat exchangers, they should be positioned in the circuit so that they always receive the full flow of the engines water pump.

IMPORTANT: to achieve maximum thermal transfer efficiency, Bowman charge air coolers must always be installed in a counter flow arrangement – i.e. where the cooling medium flows in a counter direction to the air being cooled. Please see the below diagram for reference.

For further guidance on installation, contact our technical sales team on +44 (0) 121 359 5401 or email: info@ejbowman.co.uk



Titanium Tube Stacks

Titanium is the ultimate 'fit and forget' solution for any application where super aggressive water conditions exist, including salt water, or contaminated/mineral rich fresh water. It resists chemical attack indefinitely and also eliminates the possibility of 'galvanic reaction' between dissimilar materials – often the cause of premature failure in certain operating conditions.

Bowman now offer titanium tube stacks as an option for our charge air cooler range, providing a highly durable, long life solution for the most demanding applications.

Bowman titanium tube stacks come with a full 10 year guarantee on all titanium in contact with cooling water.



GUARANTEED
10
YEARS

Full 10 year guarantee on all titanium material in contact with cooling water.

Servicing the unit

By simply unscrewing the end cover retaining bolts, the tube stack can be removed from its outer 'shell' for routine cleaning and maintenance. On reassembly, it is always recommended that the "O" rings are replaced to ensure a reliable, water tight seal.



Replacement Parts

A comprehensive range of replacement parts is available for all Bowman charge air coolers. This includes end covers, "O" ring seals, tube stacks, bodies and end cover fixings.

Total Engine Cooling Solutions

For nearly 100 years, Bowman has provided efficient, reliable cooling solutions for normally aspirated and forced induction engines. During that time the company has amassed a wealth of expertise and can provide a complete cooling solution for both marine and land based stationary engines, including:

Header Tank Heat Exchangers

Bowman's unique design combines high efficiency engine cooling, with long life durability. Suitable for engines up to 1800kW.



Exhaust Gas Heat Exchangers

Recovers valuable 'waste heat' from the engines exhaust stream for use as a valuable 'free' energy resource



Engine & Gearbox Oil Coolers

A range of compact units suitable for engine or transmission oil cooling



Fuel Coolers

Bowman in line plate fuel coolers are compact, easy to install and suitable for use with all fuel types – including Ethanol rich fuels



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