

Staying cool under

Bowman Header Tank Heat Exchangers

For marine propulsion and stationary land based engine cooling

Bowman Header Tank heat exchangers are designed for cooling engines in applications where air cooling is either unavailable or inappropriate, due to the nature of the application.

For over 50 years, they have been used to cool engine jacket water, in applications as diverse as marine propulsion, CHP power generation systems, automotive engine testing and fire pumps used in emergency fire protection systems.

Efficient cooling is vital to the performance and operation of an engine and by installing Bowman Header Tank heat exchangers, the correct operating temperature can be consistently maintained.

They also offer a more compact cooling solution to traditional air blast radiators, aiding engine packaging when available space is at a premium.



Unique design

To increase thermal performance all Bowman Header Tank heat exchangers feature a unique 'quiet zone' design with a special de-aeration feature and pressurised filler cap.

Reliable operation

The 'quiet zone' and large reservoir area above the tube stack eliminates the problem of air pockets or air locks getting into the coolant stream, improving operational reliability.

Fully floating tubestack

The 'fully floating' design allows expansion and contraction of the tubestack within the cast body of the heat exchanger, which minimises thermal stress, enhancing reliability and longevity.

Simple to maintain

The easily removable tubestack and end covers makes cleaning and routine maintenance procedures simple and straightforward.

Wide range

Bowman provide the most comprehensive range of Header Tank heat exchangers available. On the coolant side, there is a choice of single, double or triple pass units to suit different flow rates.

Marine and land based versions

Whether the cooling medium is salt water, fresh water, or mineral rich/contaminated water, Bowman has a range of Header Tank heat exchangers to suit any marine or land based application.

Titanium tubestacks

Titanium is the ultimate 'fit and forget' material for applications where aggressive water conditions exist. Bowman now offer titanium tube stacks on many of our Header Tank header exchangers. See page 11 for more details.

