ADRAD TECHNOLOGY

Achieving the high strength weld and required quality of finish for ADFUSE® has involved months of development work and testing by Adrad's dedicated product development team.

Adfuse4p.6_NatradMoorebank0513

ADFUSE PROTECTS THE TUBE-TO-HEADER JOINT AGAINST:

- VIBRATION
- HIGH PRESSURE
- THERMAL EXPANSION
- HIGH TEMPERATURE
- CORROSION
- STRESS

PROTECT YOUR EQUIPMENT

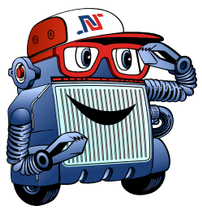
For long service life in demanding cooling applications, choose ADFUSE® welded cores for maximum strength and durability.

Adrad is constantly developing new and innovative manufacturing methods that deliver improved cooling performance for specialised applications.

IT'S ANOTHER REASON WHY ADRAD IS AUSTRALIA'S NO. 1 RADIATOR MANUFACTURER.

Available from your Natrad HDS HEAVY DUTY SPECIALIST

Nip into Natrad

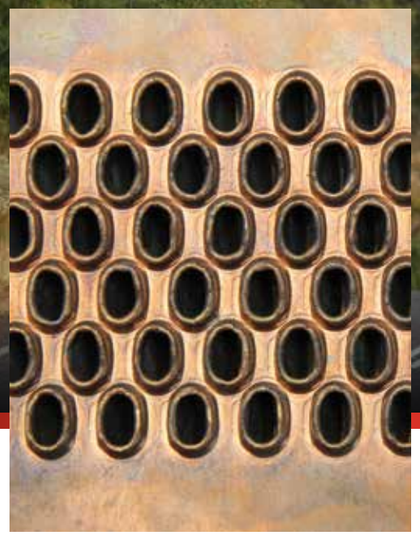


12 Seton Road
Moorebank
NSW 2170
Ph (02) 9600 8238
Fx (02) 9824 2982
www.superiorradiators.com.au

TQCSI ISO 9001:2008 Quality Certified AU602-QC

ADRAD QUALITY ASSURED

Adrad is a Quality Accredited OE Manufacturer & Supplier



ADFUSE TOUGH

6 Row Ultra T core showing tight tube configuration with ADFUSE® precision welding.

ADRAD'S MAXIMUM STRENGTH ADFUSE® WELDED CORE

Heat Exchangers that are EXTRA STRONG & EXTRA TOUGH

Adrad's Australian developed precision tube-to-header welding process for industrial radiators is the most advanced and sophisticated in Australia. Welded joints provide superior strength and durability compared to soldered joints.

- HIGH PERFORMANCE
- MAXIMUM STRENGTH
- CORROSION RESISTANCE
- LONGER LIFE

ADFUSE® durability for static engines

Natrad HDS HEAVY DUTY SPECIALIST

ADFUSE® - STRONGER FOR LONGER

Avaliable at your local Natrad HDS

MAXIMUM STRENGTH

ADFUSE® for hardworking machines

GREATER ENDURANCE

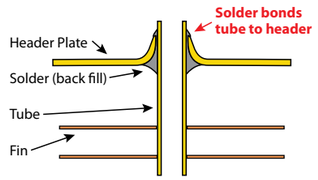
ADFUSE® long life in tough conditions

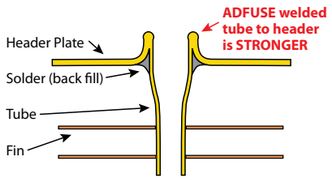
PRECISION MANUFACTURED

Industrial radiators are typically constructed by soldering the tubes and headers together to form the core. This method is satisfactory for many applications. However, if this radiator is subjected to extreme heat or high stress, the soldered joints can eventually fail.

ADFUSE welding produces much stronger bonds than solder alone and provides extra protection against extreme heat and stresses from thermal expansion, vibration and pressure. As a result, an ADFUSE radiator used in heavy duty water and oil cooling applications lasts much longer.

SOLDERED vs ADFUSE ® WELDED





A single large ADFUSE radiator core may contain over five hundred tubes that are welded at both ends, so the entire core involves more than 1,000 individual welds. Our computer-controlled robot takes less than two seconds to complete each tube-to-header weld with an accuracy of less than 0.1mm.

For even more strength, each ADFUSE weld is also back-filled with solder to provide extra support to each individual tube.

ADFUSE produces a maximum strength bond able to better withstand the high temperatures and constant vibration that are found in demanding applications.

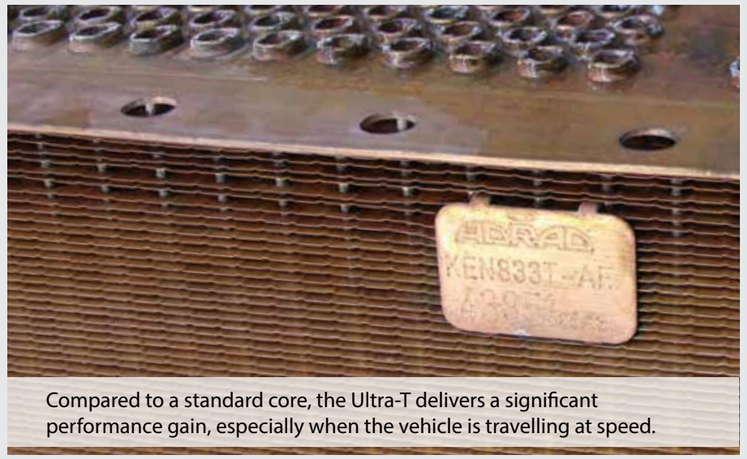
Exclusive to Adrad, ADFUSE® welded cores are available on configurations including 5/8" and 1/2" Ultra T.

ADRAD AFTERMARKET DOUBLE UPGRADE

ADFUSE®
FOR STRENGTH & DURABILITY

+

ULTRA-T
FOR HIGH PERFORMANCE COOLING



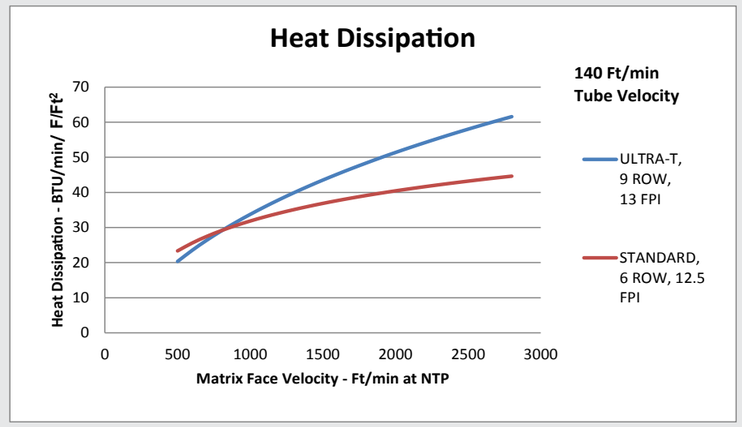
Compared to a standard core, the Ultra-T delivers a significant performance gain, especially when the vehicle is travelling at speed.

Combining these two upgrades together gains both better cooling performance and longer service life.

Ultra-T is a heavy duty, high performance tubular radiator design featuring close tube row pitch that allows a greater number of tubes to be incorporated in applications that involve space restrictions.

The close tube row pitch allows a higher concentration of tubes in the core matrix which gives the Adrad Ultra -T cores more tube to deliver high performance cooling.

The improved cooling of Ultra-T combined with the superior strength of the advanced ADFUSE ® welded tube-to-header joint delivers an unbeatable combination of performance and durability.



www.natradhds.com.au

ADFUSE® is avaliable at your local Natrad HDS