



# AR

AIR RADIATORS

Alu Fin  
Performance and Reliability





## Alu Fin



### PERFORMANCE AND RELIABILITY

As many industries seek to increase the use of Aluminium radiators, Alu Fin radiators from Air Radiators provide the solution to many of the shortcomings of traditional “off-the-shelf” Aluminium radiators.

### Improved Resistance to Damage and Reduced Service Cost

The age-hardened **Aluminium 6000 series** tube utilised in Alu Fin significantly improves its resistance to damage. This enhanced durability minimises the need for unplanned tube replacements, resulting in reduced service costs.

With Alu Fin, you can enjoy uninterrupted performance and cost savings, enhancing the efficiency of your systems.

### Optimal Performance even in Clogged Conditions

Alu Fin’s offset tube design guarantees superior performance, even in challenging conditions. The offset configuration ensures that minimal loss in cooling efficiency when the front row becomes clogged.

With Alu Fin, you can maintain optimal performance and prevent system malfunctions, maximising the lifespan of your cooling solution.

### Impact Resistance and Extended Lifespan

With the strengthened leading edge on Alu Fin’s tube extrusion, you can be confident in the longevity of your systems.

Alu Fin’s extruded tube construction provides worry-free operation. The absence of potential leak points on the tube surface eliminates the potential for leaks, ensuring optimal performance and reliability.

The “Bull Nose” design effectively protects against damage caused by propelled debris, eliminating the need for premature tube replacements. Alu Fin ensures your cooling solution operates reliably for an extended period, saving you time and resources.

### Corrosion Resistance and Increased Reliability

The **Aluminium 3000 series** fin utilised in Alu Fin provides unparalleled corrosion resistance. This characteristic ensures that your cooling solution maintains optimal performance throughout its operational life, eliminating the risk of performance deterioration.

With Alu Fin, you have versatility and adaptability for enhanced cooling performance, as well as a dependable and efficient cooling system for your applications.



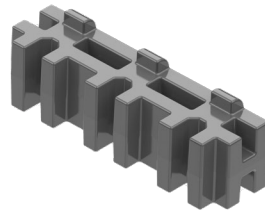
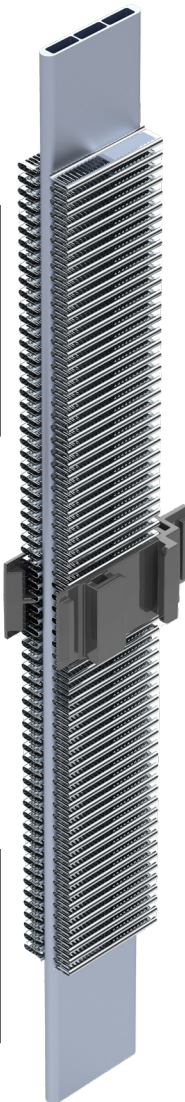
### Flexible Grommets

Manage thermal expansion and eliminate cyclic fatigue failure.



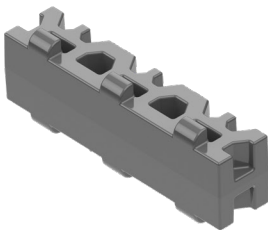
### Individual Finned Tubes

Field Serviceable and superior performance in mud and debris laden environment.



### Centre Retaining Clips

Eliminate vibration and deflection for prolonged service life.



## Compatibility with Multiple Fluid Types and Extreme Temperatures

Alu Fin's advanced grommet material option provides versatility and reliability. With the single grommet, there is no need to choose the appropriate grommet material, you can ensure compatibility with different fluid types and the ability to operate seamlessly in extreme temperature conditions ranging from  $-40^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$ .

Alu Fin guarantees optimal performance and reliability across various environments.

## Versatility for Any Application

Alu Fin's flexible design options open a world of possibilities. With the availability of three fin options with two purpose-designed tube pitches, Alu Fin empowers you to customise your cooling solution to achieve optimised performance.

By selecting the fin options that best suit your application's requirements, Alu Fin allows you to embrace new design concepts, ensuring efficient heat dissipation and maintaining the ideal temperature of your systems.

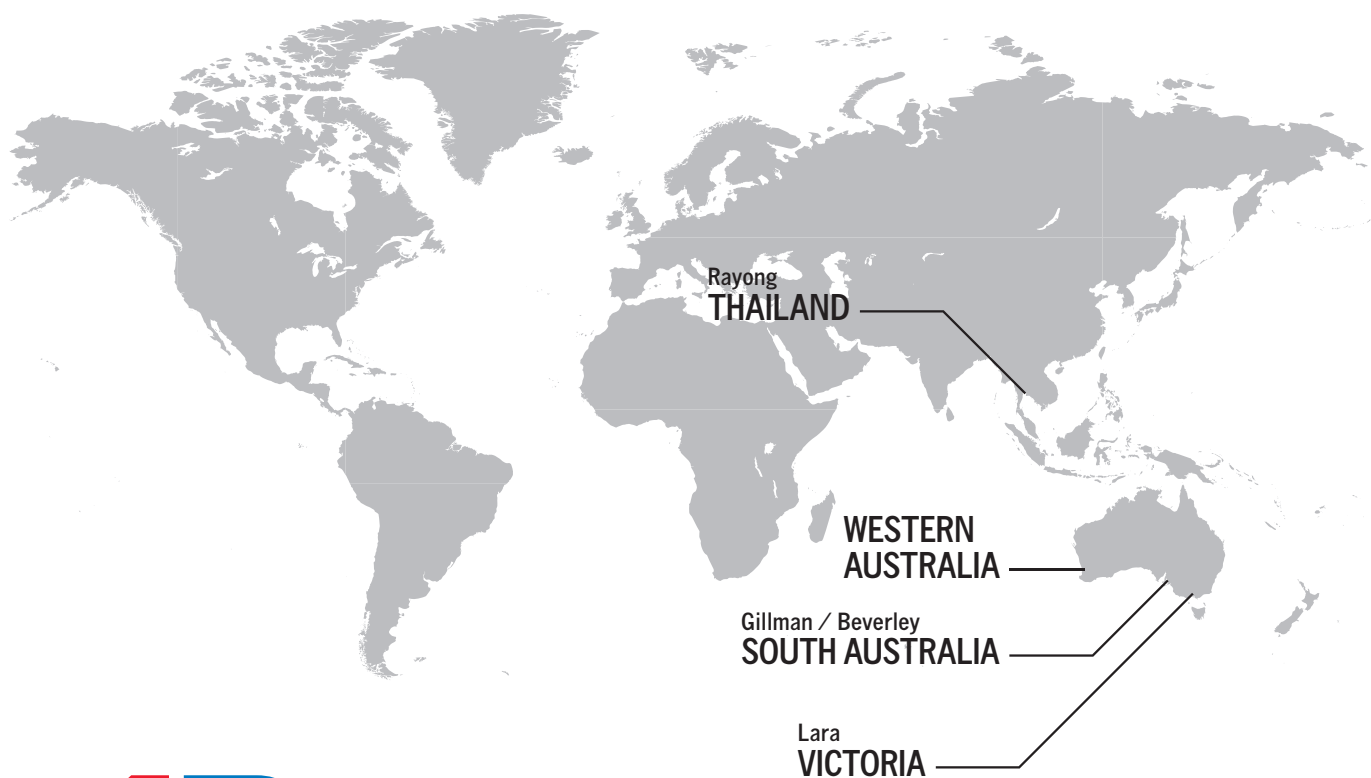
## Field Serviceability and Lower Repair Costs

With individually grommeted tubes, Alu Fin offers a cost-effective solution. Only the affected components require replacement in the event of damage, thereby reducing repair costs. The high resistance to vibration and shock loads ensures reliable operation, while the field serviceability minimises downtime, eliminating the need to replace the entire radiator and ultimately lowering repair and maintenance expenses.

**Alu Fin – Lower Capital and Maintenance Investment**



## LOCATIONS



### **Lara, Victoria**

45 Heales Road,  
PO Box 243  
Lara, Victoria  
Australia 3212

### **Gillman, South Australia**

119 Bedford Street,  
Gillman, South  
Australia  
Australia 5013

### **Beverley, South Australia**

41-51 Howards Road,  
Beverley, South  
Australia  
Australia 5009

### **Western Australia**

44 Fawcett Crescent,  
Perth Airport,  
Western Australia,  
Australia 6105

### **Rayong, Thailand**

7/284 Moo 6 Amata  
City Industrial Estate,  
Mabyangporn,  
Pluakdaeng, Rayong  
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