INNOVATION.
NOT DUPLICATION.™

H-E PARTS INTERNATIONAL

MINING SOLUTIONS COOLING DIVISION

COR COOLING™ BAR AND PLATE

H-E PARTS MINING SOLUTIONS COOLING DIVISION (H-E PARTS) ARE A LEADING PROVIDER OF RELIABLE, APPLICATION SPECIFIC HEAT TRANSFER SOLUTIONS. H-E PARTS MANUFACTURE AND SUPPLY HIGH QUALITY, INNOVATIVE PRODUCTS THAT ARE TAILORED TO OUR CUSTOMERS SPECIFIC REQUIREMENTS. H-E PARTS IN-HOUSE ENGINEERING, PRODUCT AND SERVICE OFFERINGS, GUARANTEE WE SUPPORT CUSTOMERS THROUGHOUT THE FULL PRODUCT LIFECYCLE AND ENSURES THE LOWEST TOTAL COST OF OWNERSHIP IS ACHIEVED.

At H-E Parts, we incorporate the superior cooling performance of aluminum in our designs, resulting in improved cooling performance within the same space constraints. COR Cooling™ bar and plate charge air coolers and after coolers are designed and built to endure the harsh and varying conditions that radiators can be exposed to globally, providing our customers with reliable and durable cooling solutions. With our extensive range and abilities of bar and plate radiators we can supply replacement radiators for a variety of applications across a range of industries.

COR COOLING™ BAR AND PLATE

FEATURES AND BENEFITS

- Heavy duty bar and plate design to suit most makes in the market
- Corner block reinforcements prevent premature failure of end tubes
- Anodized cores and aluminum composition for extended service life resulting in less downtime and provide resistance to corrosion
- Custom designed piping system and accessories can be included
- Side band expansion slits allow the core to expand and contract evenly to prevent premature cracking
- Enhanced external open fin design prevents blockages and allows for easy cleaning

INCREASED PRODUCT LIFE

The fully welded aluminum bar and plate configuration is a robust solution to many cooling applications, resisting corrosion, damage from debris and a fully serviceable cooler. Large coolers or coolers subject to vibration, typically seen in mining and heavy industrial applications, can suffer from issues with structural integrity. To overcome these issues, H-E Parts use a combination of corner blocks and expansion joints to relieve stress by strengthening the weaker points commonly found in the corners of coolers.

IMPROVED COOLING PERFORMANCE

By designing solutions that use aluminum, we take advantage of the superior cooling performance of the material. Internal and external fin designs have a high fin density and surface area when compared to traditional tube tube fin radiators. This results in improved cooling performance within the same space constraints. Our range of custom fin designs provide solutions to air flow issues that affect cooling performance.

ENGINEERING INNOVATION

Our Engineering team utilizes 3D modeling and design verification software to design, optimize, engineer and manufacture to meet the customer's specific cooling requirements. Using computer-aided design software enables us to deliver on new projects faster and more efficiently. At H-E Parts, we are continuously developing our products to offer innovative solutions that increase productivity through longer service life, more efficient products and time saved through availability.