



CAA Series



WA Series

The **Aircel CAA Air-Cooled Aftercooler Series (130 - 4,500 scfm)** provide economical cooling by utilizing ambient air to cool the hot compressed air from an air compressor. Discharge air from an air compressor is generally 180°F - 350°F, depending on the type of compressor. With a properly sized aftercooler, as much as 60% of the water in compressed air can be removed. Air-cooled aftercoolers can reduce the size of a dryer necessary to meet system output air requirements, will extend the life of the dryer and filters, and reduce maintenance, making it an outstanding value!

Air-cooled aftercoolers can be sized to cool the hot compressed air within 5°F to 20°F of the ambient air temperature. Aftercoolers can be installed so normal wasted heat can be reclaimed and recirculated.

The **Aircel WA Water-Cooled Aftercooler Series (50 - 3,000 scfm)** and separators are an ideal combination to remove troublesome moisture from compressed air. Proper installation of Aircel aftercoolers and matching liquid separators, effectively assist in maintaining trouble-free operation of compressed air equipment. By lowering the temperature of the compressed air in downstream air lines using water-cooled aftercoolers, up to 70% of the water vapor present condenses to a liquid, which can then be removed by moisture separators.

CAA Series Features

- Advanced technology designs to maximize heat transfer with minimum pressure drop.
- Compact design compared to conventional fan and tube designs provides smaller footprint.
- Corrosion resistance construction.
- Size from 130 to 4500 scfm (at 200°F inlet and 20°F approach).
- Durable aluminum plate core design saves space and minimizes energy usage.
- Horizontal airflow standard with vertical airflow optional.
- Standard TEFC (Totally Enclosed Fan Cooled Motor) for outside applications.
- Air motors are available on request.

Construction

- Cooler Material: Aluminum
- Shroud: Powder Painted Steel
- Fan Guard: Zinc Plated Steel
- Fan Blade: Polypropylene Blades, Aluminum Hub-Balanced for Free Vibration
- Mounting Brackets: Powder Painted Steel

Ratings

- Max Working Pressure: 250 psig
- Max Working Temperature: 250°F

WA Series Features

- Single pass design with smooth surface copper tubes minimizes fouling and allows lower pressure drop.
- Counter-flow shell and tube design provides close approach temperature; gains maximum heat removal benefit from expensive cooling water.
- Cooper heat exchanger surfaces provide excellent heat transfer.
- Seamless shells have maximum rupture strength and corrosion resistance.
- Tube rolled into tubesheet eliminates thermal stress.
- Removable end bonnets facilitate cleaning and servicing.
- Drain ports on shell side for easy maintenance.
- Compact package provides smaller footprint.
- Can be mounted in horizontal or vertical positions.

Construction

- Brass Shell & Baffles
- Copper Tubes
- Forged Brass End Hubs
- Cast Iron End Bonnets
- Steel Mounting Bracket

Ratings

- 150 psig max @ 300°F Tube Side
- 300 psig max @ 300°F Shell Side

