



PRODUCT SPOTLIGHT: Microchannel



At the core of BAC's TrilliumSeries™ Condenser is a robust industrial grade all aluminum, microchannel heat exchanger. The microchannel was chosen for its high heat transfer efficiency, low charge, and superior corrosion resistance. To prove its corrosion resistance in the field, the microchannel coil has been rigorously tested to ASTM G85-09 A4, an accelerated salt spray test with acidification and sulfur dioxide. This test was developed by the U.S. Navy as a means to simulate corrosion on aircraft carriers.



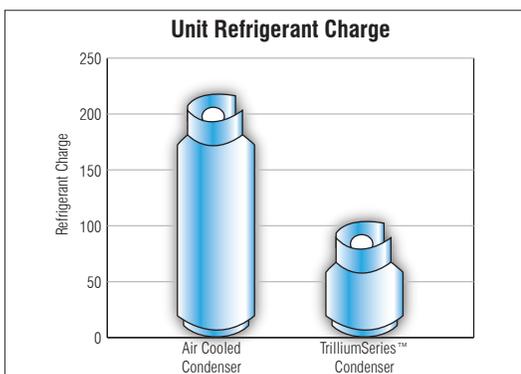
Corrosion Resistant Microchannel Coil with Top Feed Design

Corrosion Resistance Testing

- ✓ Tested to ASTM G85-09 A4 standard
 - › 3,000 hours of continuous salt spray and sulfur dioxide testing
 - › Tested with pressurized coils to verify longevity
- ✓ 3,500 hours continuous hard water testing
- ✓ The coated all aluminum construction significantly reduces dissimilar metal galvanic corrosion common in copper aluminum coils
- ✓ Special alloys and brazing flux maximize corrosion resistance
- ✓ High quality epoxy coating doubles the coil's corrosion resistance

Technology Benefits

- ✓ 60% less refrigerant charge
- ✓ 40% higher thermal efficiency
- ✓ 30% smaller face area
- ✓ Unique top feed design with vertical tubes allows for gravity drainage of the condensed refrigerant that also eliminates the need for external manifolding



60% Refrigerant Charge Reduction

Industrial Design

- ✓ 450 psig maximum allowable working pressure
- ✓ Each coil proof tested and helium leak checked
- ✓ Thicker aluminum channel walls
- ✓ Each coil ships with standard holding charge
- ✓ Coils available with either copper or black steel connections for easy installation

Insist on an industrial coated aluminum microchannel and the TrilliumSeries™ Condenser to increase your energy efficiency and reduce your total cost of ownership!

