

Water Cooled Aftercooler | AB-405-B4-O

COPPER TUBE CONSTRUCTION

Features

- **Compressed Air and Gas Aftercoolers**
- **For Water to Air Cooler**
- All Brass Hubs and Shell Assemblies:
Reduce or Eliminate Galvanic and
Other Types of Corrosion
- Copper Nickel Tubes Available
for Sea Water Service



Ratings

Maximum Operating Pressure

Tubes 250 PSI

Shell 250 PSI

Maximum Operating Temperature 350° F

Materials

Tubes Copper

Shell Brass

End Hubs Brass

End Bonnets Cast Iron

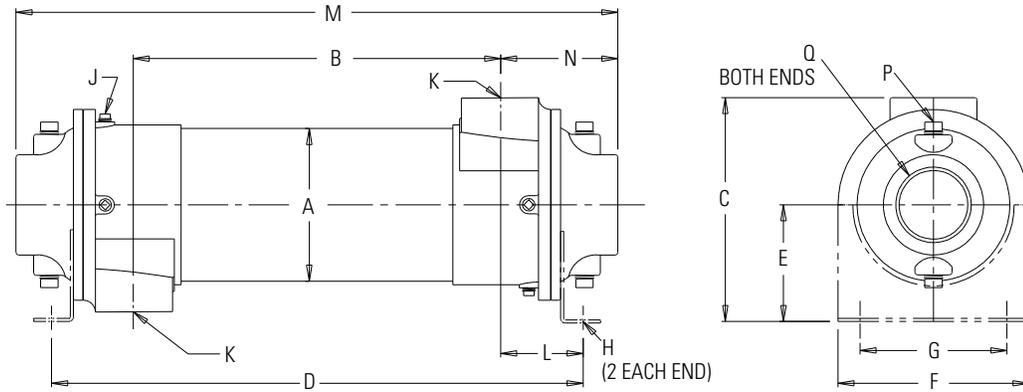
Baffles Brass

Mounting Brackets (optional) Steel

Gaskets Nitrile Rubber

Nameplate Aluminum Foil

Dimensions



NOTE: Mounting brackets are optional.

| Model | DIA A | B | C | D* | E* | F* | G* | H* | J NPT | K NPT | L | M | N | P NPT | Q NPT | Weight (lbs.) |
|-------------|-------|-------|------|-------|------|------|------|----------|-------|-------|------|-------|------|-------|-------|---------------|
| AB-405-B4-O | 2.12 | 43.62 | 3.50 | 47.06 | 1.94 | 2.62 | 1.76 | .41 Dia. | — | .50 | 1.72 | 51.36 | 3.87 | | 1.50 | 18 |

NOTE: We reserve the right to make reasonable design changes without notice. All dimensions in inches.

Capacity Selection

| Model | 2-Stage Recip 250°F Inlet Air | | Rotary Screw 200°F Inlet Air | |
|-------------|-------------------------------|-----------------------------|------------------------------|-----------------------------|
| | SCFM Capacity* in Tubes | Δ P, PSI, at Rated Capacity | SCFM Capacity* in Tubes | Δ P, PSI, at Rated Capacity |
| AB-405-B4-O | 150 | 1.2 | 205 | 2.0 |

*Based on ambient air at 60°F, 14.7 psia, and 50% relative humidity. Compressed air cooled to within 15°F of inlet water temperature. Water flow rate 3 GPM per 100 SCFM air flow. For single stage compressor type, 300°F inlet, use 2-stage SCFM capacities with a 15% reduction.

Piping Diagrams

Thermal Transfer Aftercoolers can be mounted in either of the positions shown. Separators should be used as shown. Consult factory for separator recommendations.

