

Water Cooled Aftercooler | AB-705-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

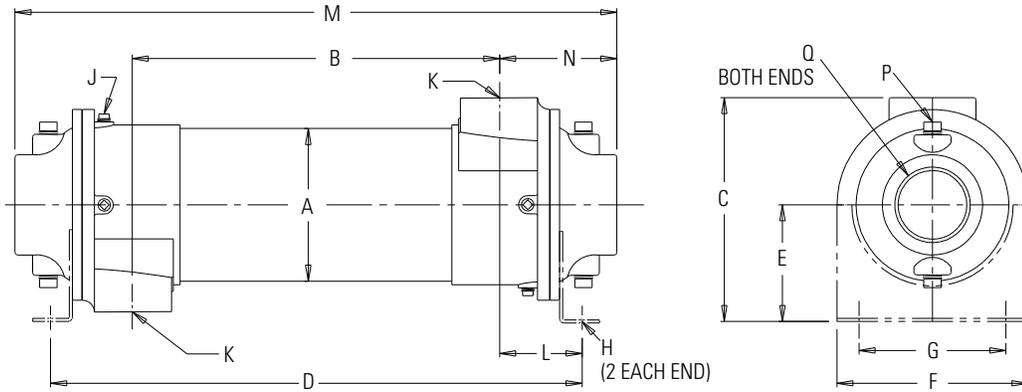
Baffles Brass

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-705-B4-0	3.66	43.00	6.25	48.38	3.62	5.25	3.00	.44x 1.00	(2) .38	1.00	2.69	50.40	3.70		2.50	40

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-705-B4-0	310	1.0	439	1.6

*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.

