

It's required to supply Copper and Copper-Alloys Seamless Finned Tubes for Air Coolers according to ASME SB-1111M specification and attached table as well as the following specifications:

N.B:

A) Minus deviation from specified wall thickness as per table is not permitted.

B) No deviation from finned tubes specs below shall be acceptable.

- 1- All pipes shall be furnished in the annealed (O) temper condition. This must be clearly specified in material and test certificates of tubes.
- 2- All requirements of ASME SB - 111 UNS No. 60800 Edition 2019 shall be strictly fulfilled.
- 3- Each tube shall be tested by HYDROSTATICALLY OR EDDY CURRENT TESTED according to ASME SB - 111 UNS No. 60800.
- 4- Each finned tube shall be interleaved with zinc molds with number, dimensions and spacing as per table.
- 5- Vendor shall submit material certificates and Mill test reports along with the results of the tests carried out on the tubes according to the specified ASME code.
- 6- Tubes shall be square cut, cut ends of tubes shall be deburred.
- 7- Fins material shall be (aluminum of purity 99% as min.)
- 8- Certificate of origin shall be submitted.
- 9- All material and test certificates acc. to EN10204-3.1 shall be submitted.
- 10- Each tube shall be legibly marked/stenciled as per code. Marking shall be made on the bare ends of each tube.
- 11- All tubes are to be delivered in weatherproof wooden boxes as per code.
- 12- Ends of each tube shall be plugged with plastic caps for protection.
- 13- Tubes produced only in Europe, USA, Canada and Japan shall be acceptable.
- 14- Delivery period shall be about 3 months.

Tubes dimensions and material		
Tubes outside diameter	:	1" (25.4 mm)
Min. wall thickness	:	BWG 14 (2.108mm)
Overall length	:	10972 mm
Bare length	:	70 mm per each end
Material	:	ASME SB - 111 UNS No. 60800
Quantity	:	400 tubes
Fins dimensions and material		
Fins outside diameter	:	57.15 mm (2.25")
Fins thickness	:	0.5 mm
Fins Per Inch (F.P.I)	:	10
Fins material	:	Aluminum of purity 99% min.
Finned length	:	10832 mm
Zinc molds		
Number per each tube	:	6
Molds outside diameter	:	60.3 mm
Spacing between each mold	:	1614 mm
Distance between external mold and ends	:	1461 mm from one end and 1441 from the other end.