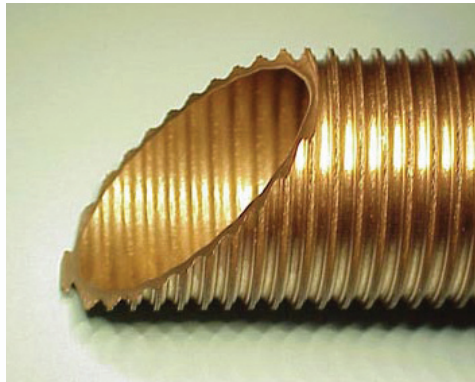




Korofin®

Specialty OD Absorption Surface

Korofin is a specialty absorption tube that has the capability of being used in outside surface condensing applications. The outside surface is helically finned with a special fin profile intended to improve absorption effects. The inside of the tube has internal ridges to improve the inside heat transfer coefficient. The special outside surface also acts as an externally finned tube that improves condensation.



This tube is manufactured with plain ends for easy insertion into tube sheets and baffles in shell and tube heat exchangers. Due to the stringent cleanliness conditions for absorbers, both OD and ID residue levels are controlled within 0.03 grams of solid and organic residue per square foot of surface area. If specified by customer, the OD surface may be made wettable at an extra cost.

Alloys Available and Applicable Standards

UNS C12000 (DLP Copper) and UNS C12200 (DHP Copper) to ASME SB75 and ASME SB359

UNS C70400 (95/5 Copper-Nickel) and UNS C70600 (90/10 Copper-Nickel) to ASME SB111 and ASME SB359

Product Formats

Straight Lengths to 20 feet, + 1/8 inch maximum variation

Straight Lengths over 20 feet, + 5/32 inch maximum variation

Ends are supplied either brush deburred or chamfered

Packaging

Packaging options include wooden boxes and shipping frames.

Temper Available

As finned temper or annealed temper

Testing

All tubes are tested per the requirements of ASTM E243.

Standard Sizes		Plain End Dimensions		Finned Section Dimensions			
Catalog Number	Inside Diameter inch (mm)	Outside Diameter inch (mm)	Wall inch (mm)	Fin Per Inch	Fin Height inch (mm)	Min. Wall Under Fins inch (mm)	Root Diameter inch (mm)
Korofin - UNS C12000, C12200, C70400, C70600							
79-115030	0.596 (15.14)	0.743 (18.87)	0.043 (1.09)	11	0.043 (1.092)	0.027 (0.686)	0.656 (16.66)
79-116030	0.724 (18.39)	0.870 (22.10)	0.043 (1.09)	11	0.043 (1.092)	0.027 (0.686)	0.773 (19.63)
79-117028	0.852 (21.64)	0.995 (25.27)	0.043 (1.09)	11	0.043 (1.092)	0.025 (0.635)	0.908 (23.06)
79-117035	0.838 (21.29)	0.995 (25.27)	0.050 (1.27)	11	0.043 (1.092)	0.031 (0.787)	0.908 (23.06)

Standard Sizes		Finned Section Dimensions		
Catalog Number	Inside Diameter inch (mm)	Fin Per Inch Fin Height inch (mm)	Min. Wall Under Fins inch (mm)	Root Diameter inch (mm)
Korofin - UNS C12000, C12200, C70400, C70600				
79-115030	0.014 (0.356)	0.192 (0.059)	0.399 (0.122)	0.059 (38.1)
79-116030	0.014 (0.356)	0.233 (0.071)	0.473 (0.144)	0.071 (45.9)
79-117028	0.010 (0.254)	0.251 (0.076)	0.546 (0.166)	0.077 (49.9)
79-117035	0.010 (0.254)	0.247 (0.075)	0.546 (0.166)	0.088 (57.0)