



**THERMO B DATA SHEET - IMPERIAL UNITS**  
**EVAPORATOR TUBE**  
**PROPRIETARY O.D. SURFACE**

5501 Air Park Blvd.  
 Morristown, TN 37813  
[www.neotiss.com](http://www.neotiss.com)

Materials:  
 Carbon Steel

PART NUMBER	PLAIN END		FIN SECTION OD				FIN SECTION ID			Weight (lb/ft)
	OD (in)	Wall MIN (in)	Fin OD (in)	Root Dia (in)	Root Wall AVG (in)	Root Wall MIN (in)	Outside Area, Ao (ft2/ft)	Inside Area, Ai (ft2/ft)	I.D. Surface	
B5035 Tolerance (+/-)	.750 .004	.052 +20%/-0	.727 .004	.672	.035	.031	.627	.157	Smooth	.3330
B5042 Tolerance (+/-)	.750 .004	.059 +20%/-0	.727 .004	.672	.042	.038	.627	.154	Smooth	.3776
B5049 Tolerance (+/-)	.750 .004	.065 +20%/-0	.727 .004	.672	.049	.044	.627	.150	Smooth	.4212
B5065 Tolerance (+/-)	.750 .004	.079 +20%/-0	.727 .004	.672	.065	.058	.627	.142	Smooth	.5167
B5083 Tolerance (+/-)	.750 .004	.096 +20%/-0	.727 .004	.672	.083	.075	.627	.132	Smooth	.6179
B7049 Tolerance (+/-)	1.000 .004	.065 +20%/-0	.977 .004	.922	.049	.044	.859	.216	Smooth	.6022
B7065 Tolerance (+/-)	1.000 .004	.079 +20%/-0	.977 .004	.922	.065	.058	.859	.207	Smooth	.7409
B7083 Tolerance (+/-)	1.000 .004	.096 +20%/-0	.977 .004	.922	.083	.075	.859	.198	Smooth	.8898
B5035 - R Tolerance (+/-)	.750 .004	.055 +20%/-0	.727 .004	.672	.035	.031	.627	.175	Microfin	.3568
*B5042 - R Tolerance (+/-)	.750 .004	.062 +20%/-0	.727 .004	.672	.042	.038	.627	.171	Microfin	.4011
*B5049 - R Tolerance (+/-)	.750 .004	.068 +20%/-0	.727 .004	.672	.049	.044	.627	.167	Microfin	.4444

\*Product under development - Contact Sales for details.

Actual weight/length will vary according to number and length of plain sections.

Revised Sept. 29, 2021

*B = Engineered Fin Structure for Enhanced Boiling*

*R = Internally Ribbed*

NOTE: THERMO B TUBE HAS BEEN TESTED BY HTRI AND CAN BE SELECTED IN XIST V8.2 FOR PURPOSE OF THERMAL RATING OF HEAT EXCHANGERS. FOR ADDITIONAL TECHNICAL SUPPORT CONTACT NEOTISS.