

Modine Manufacturing Company

UL and CSA Listings

Nuevo Laredo, MX Round Tube Plate Fin Product



The following coil types have been tested at the listed design pressures and are certified by UL and CSA, as indicated, for use with the refrigerants listed below with the exception of R-410a. Types ending in "3" are tested at the listed design pressures and certified by UL and CSA, using the Fatigue Test Analysis, and are approved for use with R-410a. All types are approved for use as Condensers and Evaporators.

Type	Tube O.D. [in]	Minimum Tube Wall [in]	Tube surface	Minimum Return Bend Wall [in]	Test Press. [psig]	Design Press. [psig]	Ultimate Strength [psig]
R	0.3125	0.011	Smooth	0.016	625	500	2500
R3	0.3125	0.011	Smooth	0.016	700	700	2500
GA	0.3125	0.011	Rifled	0.016	625	500	2500
GA3	0.3125	0.011	Rifled	0.016	700	700	2500
P	0.375	0.012	Smooth	0.020	500	400	2250
P3	0.375	0.012	Smooth	0.020	700	700	2250
GD	0.375	0.012	Rifled	0.020	500	400	2250
GD3	0.375	0.012	Rifled	0.020	700	700	2250
LX	0.375	0.014	Smooth	0.022	500	500	2750
LX3	0.375	0.014	Smooth	0.022	700	700	2750
H	0.500	0.017	Smooth	0.025	500	500	2500
H3	0.500	0.017	Smooth	0.025	700	700	2250
GH	0.500	0.016	Rifled	0.024	400	400	2000
GH3	0.500	0.016	Rifled	0.024	700	700	2250
C3¹	0.3125	0.036	Smooth	0.036	2200	2200	6600

Approved Refrigerants

R11, R12, R21, R22, R40, R113, R114, R134A, R401A, R401B, R402A, R402B, R404A, R407C, R507, R500, R502, R764, R410A

1. C3 approved for transcritical CO2 applications. UL recognized only. CSA approval TBD.