

Custom Coils



To guarantee your coil is going to perform as required, check for AHRI Certification.

Best Available Program
3 Days

108

Replacement and OEM Coils

Greenheck specializes in manufacturing competitively priced, quality-engineered replacement and OEM coils. Every coil we build is leak tested under water with 450 PSIG of dry nitrogen to guarantee 100% quality assurance.

Greenheck's experienced team of application specialists are only a phone call away, ready to quickly respond to any questions you may have.

	Coil Type (Style)							
	Custom						Booster	
	Chilled Water	Hot Water	Direct Expansion	Condenser	Standard Steam	Steam Distributing	Hot Water	Standard Steam
Tube Diameter (inches)								
3/8*	✓	✓	✓	✓				
1/2	✓	✓	✓	✓				
5/8	✓	✓	✓	✓	✓	✓	✓	✓
Rows								
Min Rows	1	1	1	1	1	1	1	1
Max Rows	12	12	12	12	2	2	2	2
Fin Height (inches)								
Min	<i>Fin height is dependent on tube diameter (see Tube Diameter chart)</i>						6	6
Max							24	24
Increments of							3	3
Fin Length (inches)								
Min	<i>Minimum fin length is 1 inch</i>						6	6
Max	<i>Maximum fin length is 250 inches with center supports every 50 inches</i>						48**	48**
Increments of	<i>No restriction on fin length increments</i>						1	1
Recommended Face Velocity (FPM)								
Min	400	500	400	600	500	500	500	500
Max	550	800	550	750	850	850	800	850
Recommended Fluid Velocity (FPS - for water coils)								
Min	1.5	1.5	NA	NA	NA	NA	1.5	NA
Max	4.0	4.0	NA	NA	NA	NA	4.0	NA
Recommended Pressure Drop (ft. of H₂O or psi)								
Min	1	1	NA	NA	1	1	1	1
Max	20	10	NA	NA	125***	125***	10	125***

* Consult factory for selections.

** Booster coil fin lengths are dependent on fin height.

*** Higher steam pressures will require heavier tube wall thicknesses.

Casing Material	
Standard	Optional
16 gauge galvanized steel	14 gauge galvanized steel
	16 gauge stainless steel
	.09 in. thick copper

Connection Types	
FPT - Female pipe thread	
MPT - Male pipe thread	
Sweat	

Casing Types	
Std. (1.5-inch flange)	
Standard Booster (1-inch flange)	
Slip and drive	
Endplates only	
Inverted S.P. flange	

Refrigerant Types	
R-22	
R-134A	
R-404A	
R-407C	
R-410A	
R-502	

	Tube Diameter		
	3/8	1/2	5/8
Wall Thickness (inches)			
0.016	✓	✓	
0.020	✓	✓	✓
0.025			✓
0.035			✓
0.049			✓
Fin Type			
Aluminum	✓	✓	✓
Copper		✓	✓
Fins Per Inch (FPI)			
Min	10	6	6
Max	20	16	14
Fin Type			
Sine-wave	✓		✓
Lanced	✓		
Corrugated		✓	
Flat	✓		✓
Connection Size (inches)			
Min	0.5	0.5	0.5
Max	4.0	4.0	4.0
Fin Height (inches)			
Min	5.0	5.0	4.5
Max	120	120	120
Increments of	1.00	1.25	1.50

	Fin Material	
	Aluminum	Copper
Tube Diameter		
3/8	✓	
1/2	✓	✓
5/8	✓	✓
Fin Thickness		
0.006	✓	✓
0.008	✓	
0.010	✓	
Fin Type		
Sine wave	✓	✓ (5/8 inch only)
Lanced	✓ (3/8 inch only)	
Corrugated	✓	✓ (1/2 inch only)
Flat	✓	

Fluid Flow Rates							
For water coils, connections sizes are based on GPM of water.							
GPM	1-4	4-8	8-16	16-30	30-40	40-70	75-150
Connection	3/4	1	1-1/4	1-1/2	2	2-1/2	3

