

COONEY FREEZE BLOCK STEAM COILS

CAPABILITIES OVERVIEW

Freeze damage is one of the leading causes of coil failure in the HVAC industry. Although freeze-stats, expensive controls, preheat coils, and glycol are commonly used, fluid coils frequently freeze and rupture, resulting in equipment down-time and costly repairs from the resulting water damage. More reliable technology for damage protection is now available.

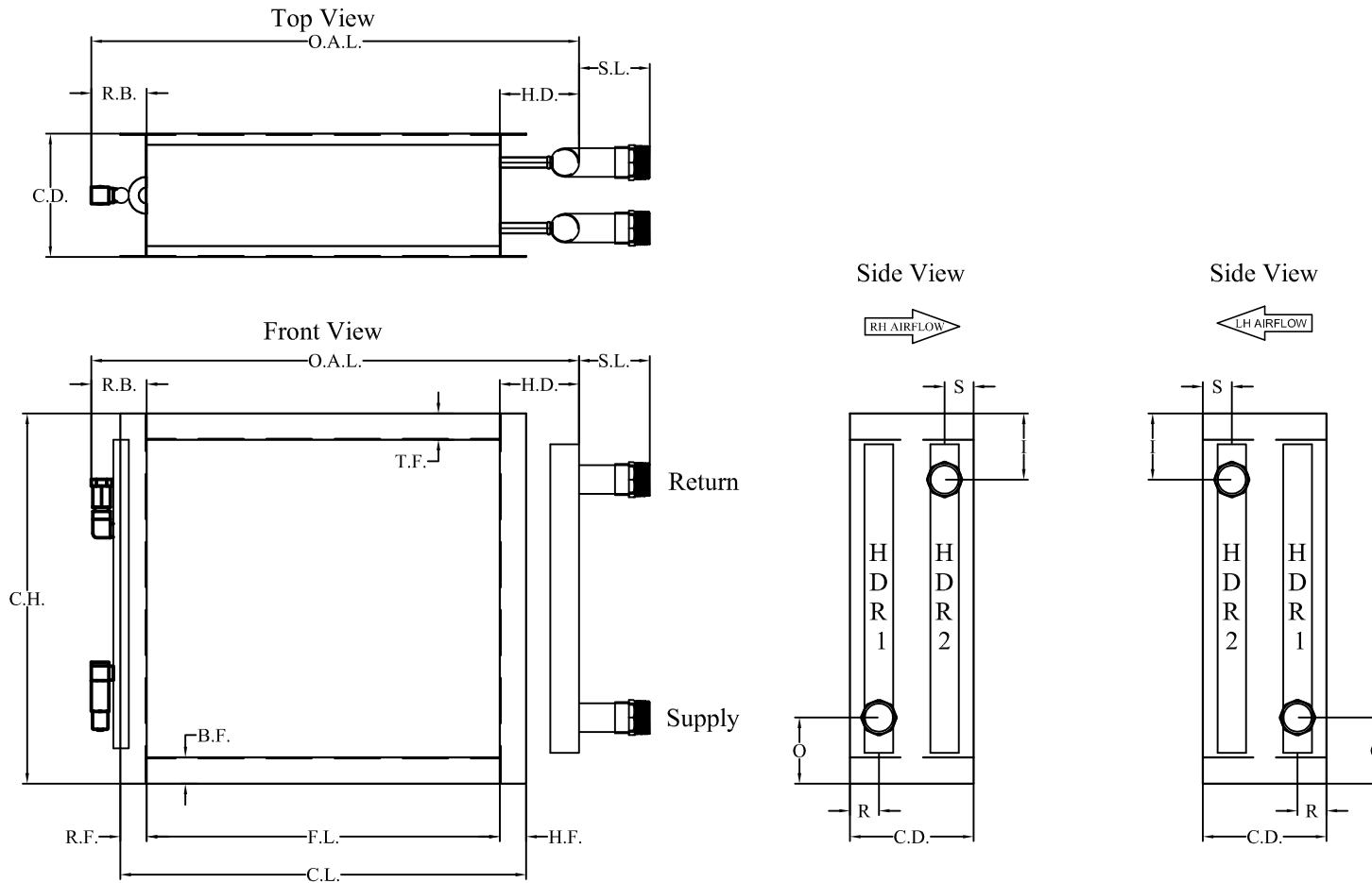
The Cooney Freeze Block by Coilmaster is designed to allow ice to form within the tubes, without restriction, by discharging a small amount of water into the drain pan. Therefore, the ice has enough room to form inside the tubes, without causing damage to the tubes.

This patented technology utilizes intermediate expansion headers at each tube pass throughout the coil. Each expansion header has a factory installed Cooney Freeze Block Valve that is both pressure and thermally activated. The valve will open when outside air below 35 degrees F comes in contact with the header or return end of the coil, or when the internal pressure of the coil exceeds 300 PSI. The valve will automatically reseal and allow the coil to resume normal operation, when the pressure decreases, or when the temperature increases. In addition, a brass-body vacuum breaker, located near the top of the header, insures that condensate can gravity-drain from the coil. Both the Freeze Block Valve and the vacuum breaker can be removed for replacement or service, and have convenient wrench flats.

<http://coilmastercorp.com/coil-capabilities-overview/cooney-freeze-block-steam-coils/>

Coil Tube Face
Circuiting
Feeds
Pass
Drop Tubes

Standard Steam Coil with Freeze Block and Vacuum Breaker




Tube Material	
X	CU.
@	LG.
Fin Material	
Casing Material	
Fin Style	
Header Material	
Supply Connection	
Return Connection	
Supply Adapters	
Return Adapters	

ROWS	FPI	FH	FL	CH	CL	CD	HD	OAL	SL	X	I	S	O	R	T.F.	B.F.	H.F.	R.F.	R.B.

NOTES: SS Coils Max RB = 3.26"

TAG COIL:		W.O.	Tube Supports Recommended For Coils Over 50.00" Long.
*		ITEM	
		QTY.	
		REV	
		MODEL #	
			All coils are tested with 550 p.s.i. Dry Nitrogen

ALL DIMENSIONS ARE IN INCHES.
REFER TO DOCUMENT ES-2 FOR
MODEL NUMBER INFORMATION.


 Coilmaster
 Corporation
 Drawn By:
 J. McClain