

VariCool Convective Cooling System



Convective cooling is recognized as a method of improving metallurgical properties without subsequent heat treating processes. Abbott Furnace Company's VariCool System combines radiant and convective cooling to accelerate the cooling capabilities of continuous belt furnaces. Available on all new continuous furnaces, the VariCool System can also be retrofitted to existing furnaces.

Features	Description
Water Jacketed Chamber	Allows the convection cooling to be shut off, providing a full range of cooling capabilities.
Multiple Re-circulating Injection Points	Provides uniform cooling across the width and length of the VariCool.
Water Cooled Heat Exchanger	Assists in cooling re-circulated atmosphere for better cooling efficiency within the VariCool.
Variable Speed Blower Assembly	Allows for easy and repeatable modification of cooling profiles
Adjustable Piping System	Facilitates controlling the atmosphere recirculation to optimize cooling profile.