

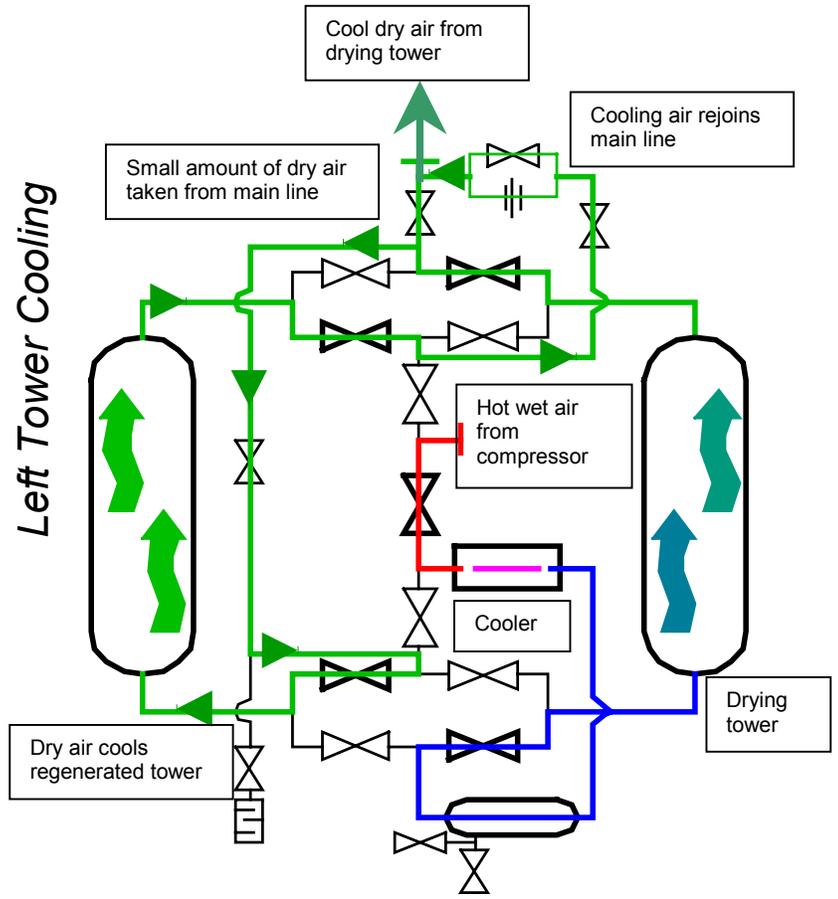
Cooling

At the end of stripping, the regenerating tower is repressurized. The outlet cooling cycle valves open and cooling begins. During cooling, a portion of the dry outlet air is directed into the regenerating tower to reduce the temperature of the bed prior to tower shift. There is no air lost during cooling. Cooling and stripping combine to provide extremely low dewpoints and to eliminate dewpoint fluctuations during tower shift.

Dewpoint Demand Control

(With the optional Dewpoint Demand Controller, the cycle is extended until the drying tower reaches saturation.)

The DDC turns off the timer and switches the towers only when the dewpoint at the outlet of the dryer rises to a preset level indicating the desiccant in the drying tower is saturated. Switching towers on demand uses the full capacity of the desiccant, reduces the number of tower shifts, and compensates for fluctuations in compressor flow. The DDC allows the dryer to be operated at 0% - 100%



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