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A Division of *Spraying Systems Co.®*
Experts in Spray Technology

Spray Nozzles | Spray Control | Spray Analysis | Spray Fabrication

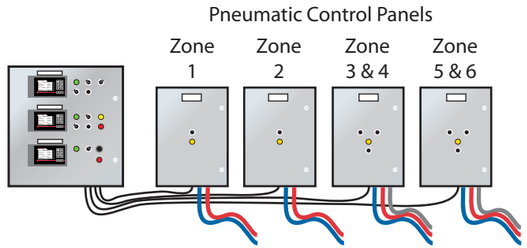
Application Drawing

Zoned Cooling System On Roofing Material Production Line

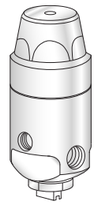
If temperature variations across the width of your product can dramatically affect product quality or production rates, an AutoJet Technologies Zoned Cooling Spray System equipped with multiple independent spray zones could solve your problems.

As material enters the cooling section, initial cooling is provided in two adjacent spray zones at the press to provide the optimum press temperature. To achieve a more uniform temperature profile, a secondary cooling zone divides the web into three or more zones (depending on web width) and each is cooled independently using multiple spray headers. In each zone, as the material heats up, the corresponding spray nozzles increase their flow to increase the cooling effect. As the product reaches optimum temperature, flow is decreased.

Temperature variations across the web are eliminated and product exits the cooling section at optimum temperature. Achieving the optimum temperature at the finish end prevents product that is too wet , too hot or too cold from entering the cutters and stackers, causing jams and rejected product.



The Electrical Control Panel contains three Model 2250 AutoJet Spray Controllers. The Controllers drive the Pneumatic Control Panels, which regulate air pressure and liquid flow to the spray nozzles in specific spray zones.



1/8JJAU Automatic Air Atomizing Spray Guns