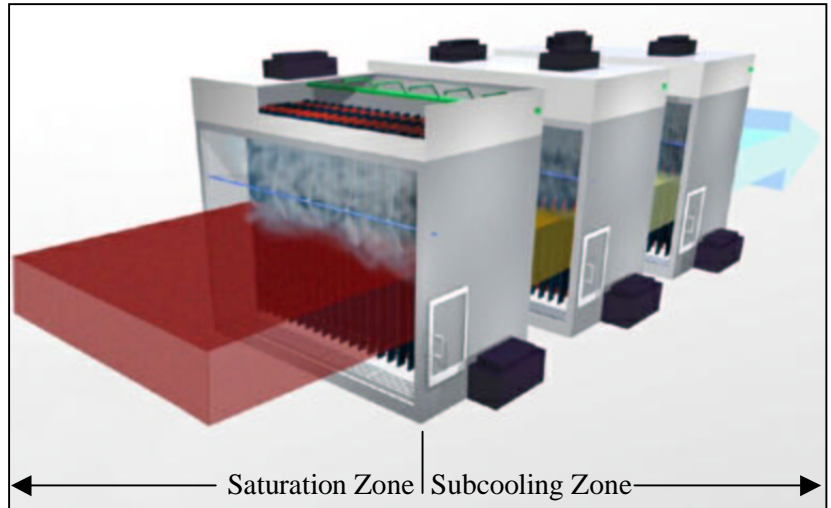


SAVE TIME AND MONEY WITH MULTISTAGE SUBCOOLING (MSSC) – A PERFORMANCE ENHANCEMENT FOR WET ELECTROSTATIC PRECIPITATORS

McGill AirClean’s MSSC is the simplest, most effective means of cleaning ever used. The MSSC system applies a staged series of spray nozzles to keep your wet electrostatic precipitator (WESP) in top condition. There are no moving parts and virtually no manual cleaning required when the system is operated properly.

The MSSC design enhances performance of your WESP. After a particulate-laden or VOC-laden gas stream saturated with water enters the WESP, the gas stream temperature is lowered further by introducing cool makeup water ahead of each field. Particulates and condensed organics are collected in a thin film of water on the plates, and the material flows continuously into the hoppers.



Multistage subcooling process of McGill AirClean’s wet electrostatic precipitators.

MSSC PROCESS

For optimum cleaning efficiency, temperature of the gas stream to be cleaned should be at saturation prior to entering the first field of the WESP. McGill AirClean will design a saturation system for your application, specific to your needs, which can utilize recirculated water. This keeps blow down and makeup water requirements to a minimum.

In addition to saturating the gas stream, McGill AirClean’s multistage subcooling design wrings even more condensate out of the gas stream by cooling flue gas below the adiabatic saturation temperature. This creates a film of water on all internal surfaces, and a continuous flow of material from the plates, reducing accumulation of particulate and condensable organics.

Retrofit your wet electrostatic precipitator with our new cleaning system and start saving time and money today.

FEATURES

- A proven, effective means of reducing your maintenance
- Increased collection efficiency from your WESP

Products and services depicted are current at time of publication. A quality-conscious manufacturer, McGill AirClean Corporation continually seeks ways to improve its products to better serve its customers. All designs, specifications, and product features are subject to change without notice.

BENEFITS

- Fields do not shut down for washing or caustic injection.
- Fire hazard is reduced.
- Downtime for manual cleaning of plates is reduced or eliminated.
- Particulate accumulation is reduced.
- Additional makeup water is not required.
- Fields are cleaned on-line.
- Field power remains high.
- Up-time is increased.
- Use of caustics and de-foamers is reduced.
- pH can be maintained at lower levels.
- Downstream equipment is protected.
- Collection efficiency is improved.



An enterprise of United McGill Corporation – Founded in 1951

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