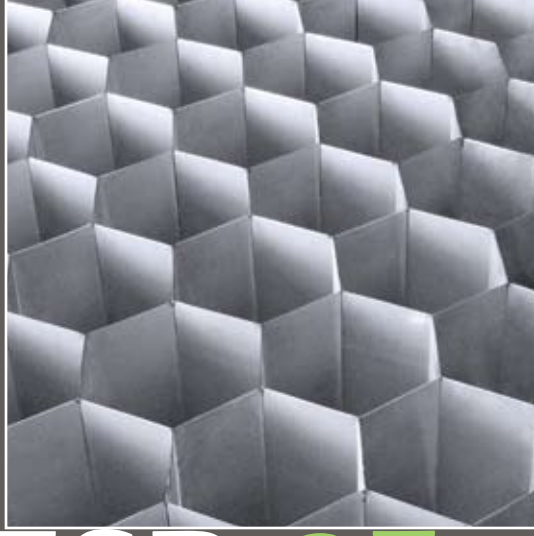
EISENMANN



WESP-2F

Integrated solution for sub-micron particulate, acid gas, and NO_x removal.

WESP-2F

EISENMANN is a worldwide engineering firm focused on developing technologies for applications in a variety of industries. Our goal is to provide our customers with the best technology and the lowest cost of ownership.

EISENMANN's patented Dual Flow Wet Electrostatic Precipitator (WESP-2F) is an integrated solution for the removal of sub-micron sized particulate matter (PM10, PM2.5), acid gases, and NO_x compounds from your process exhaust.

The Advantages of WESP-2F:

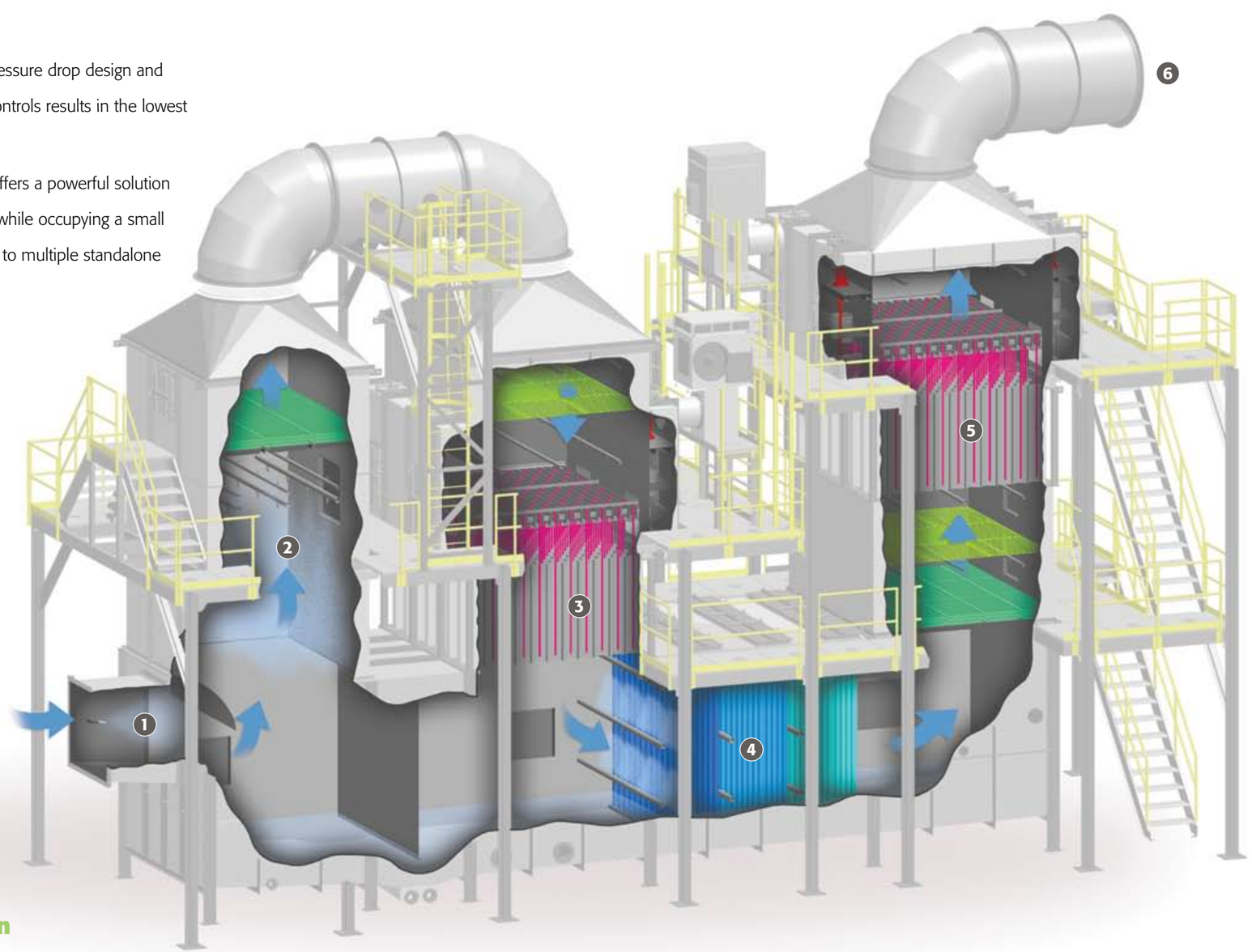
- **Multi-Pollutant Control**
- **Integrated NO_x Removal**
- **Upstream Process Flexibility**
- **Highest Available Removal Efficiency**
- **Lowest Total Cost of Ownership**

The WESP-2F's ability to effectively remove multiple pollutants in an integrated package insures emissions compliance and maintains the flexibility to choose more affordable process feedstock/ operation.

EISENMANN has taken the proven wet electrostatic precipitation technology to a new level. The multistage design combined with integrated scrubbing zones and other proprietary features, provides performance to meet current and projected emissions regulations requirements.

The WESP-2F's low pressure drop design and proprietary electrostatic controls results in the lowest operating cost per CFM.

The compact design offers a powerful solution to multi-pollutant control while occupying a small footprint when compared to multiple standalone systems.



Flow Description

1 Inlet Quench Section

Process gas travels through the quench system lowering the gas temperature to saturated conditions.

2 Pre-Scrubber Section

The process exhaust is directed through an upflow absorption tower for removal of large particulate, scrubbing of acid gases such as HCl or SO_2, and is the first stage of NO_x removal.

3 Downflow WESP Section

The downflow WESP is preceded by a sub-micron mist generator that adds fine water based particulate to the air stream. The sub-micron particles are then charged by negative ions and collected on the WESP collector tube walls.

4 NO_x Scrubbing Section

The exhaust gas enters a second stage horizontal scrubber section to further reduce NO_x emissions.

5 Upflow WESP Section

The last stage is the upflow WESP which will remove any remaining fine particulate and provide a final mist elimination step by removing sub-micron liquid droplets.

6 Clean Exhaust Outlet

The clean exhaust gas exits the WESP-2F system and is discharged to the atmosphere.

Integrated solution for sub-micron particulate, acid gas, and NO_x removal.

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