

Hilliard Mist Eliminators Clear the Air and Reduce Energy Costs



The yearly increase in energy costs made one of the largest ASME Code welding shops in the northeast realize how much warm air they were sending outdoors by exhausting the fumes created by the flame cut, pipe burner, and welding operations. This air needed to be replaced and heated to room temperature. To reduce this continually rising expense, they installed two Hilliard 1500 CFM Mist Eliminators: one for the flame cut and pipe burner operations, the other in the weld shop containing several welding booths. By situating the intake ducts in the ceiling directly above the flame cutter, pipe burner, and each individual weld booth, they are able to capture the contamination directly from the source before it can be dispersed throughout the building by fans, blowers, and overhead doors. The contaminated air, which can be as much as 30° F warmer at the ceiling level, is filtered, heated slightly by the blower, and redistributed throughout the building; thereby not only saving the energy associated with exhausting the air outdoors and heating the replacement air, but also saving the energy of heating other parts of the building. As for the filtration efficiency, the welding foreman said “we’ve always had a blanket of blue air lingering in the ceiling even with all the exhaust fans running, now the entire shop is clear.”

- **1500 CFM Max. Design Flow**
- **8” Inlet/Outlet Connections**
- **Carbon Steel Construction**
- **Meets all Electrical Requirements**
- **Paint as Specified**
- **Outlet Pipes as Required**



Features

- Highly efficient
- Fits in compact area
- Flow rates from 50 to 2500 CFM
- Higher flow rates available
- Can be tailored to your application
- Can be enclosure-roof mounted

Benefits

- Reduce emissions to the outdoors
- Eliminate heat loss
- Reduce energy costs
- Cleaner work environment



- 2500 CFM Max. Capacity
- 10" Inlet/Outlet Connections
- Carbon Steel Construction
- Meets all Electrical Requirements
- Paint as Specified
- Outlet Pipes as Required

The Hilco Mist Eliminator Systems (MES) will operate with an efficiency of 99.97% or greater removal of airborne contaminants, regardless of particle size. The Hilco MES will effectively remove contaminant and particulate to .3 micron (μm) and below.

Hilco Optional Equipment



Hilco Work Mezzanine

Work Mezzanines: The Hilco work mezzanines will allow two workers to change coalescing elements at the same time to ensure safety and also to reduce the time it takes to replace the elements. There are two styles available which are compatible with the 1500 CFM and the 2500 CFM Mist Eliminators.

Silencer / Outlet Vent: Hilco offers outlet piping configurations to meet your needs. Ask a representative about your specific custom piping application. Hilco offers: *Outlet Piping Only*, *Outlet Piping with Silencer*, and *Silencer Only*.

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