SPECTRA I & II SERIES
HORIZONTAL FLOW CHEMICAL MIST ELIMINATOR

The KCH Spectra I & II series chemical mist eliminators were developed for use on moisture laden fumes containing dissolved chemicals. The contaminant removal takes place when the fumes pass through the one or two sets of PVC eliminator blades. The blades change the direction of the air many times resulting in entrapment of the contaminants on the blades. The unit is equipped with a wash down chamber for periodic cleaning of the blades.

SPECTRA III & IV SERIES
HORIZONTAL FLOW CHEMICAL MIST ELIMINATOR

The KCH Spectra III & IV Series chemical mist eliminators are designed as modifications of the Spectra II, utilizing the PVC eliminator blades as the first two stages, but adding one or two extra stages of higher efficiency mist elimination media. These units are very useful on tough chemical fumes such as chromic acid. The forward stages are equipped with wash down chambers for periodic cleaning. Each Spectra is designed for specific conditions and requirements and can reach ultra high efficiencies.

custom designed to MEET YOUR emission requirements
KCH Services, Inc. the leader in chrome emission control introduces the new “Self Cleaning” Spectra U Series Mist Eliminators. This new innovative design eliminates costly downtime and lost production due to system shut down. With its unique “Self-Cleaning” design, it virtually eliminates the need for mesh pad removal and cleaning. This unit also has the capability to achieve the ultra high removal efficiencies required by the US EPA.

Incorporating the latest technology available, the Spectra U is capable of providing efficiencies that exceed even the most stringent emission standard being considered by EPA and those in effect in California. With designed removal efficiencies of 99.9999% on particles of 2 microns and greater and 99% on particles as miniscule as 1 micron, the Spectra U has demonstrated in field tests that it is capable of reducing emissions to under .004 milligram per ampere hour, far exceeding the California standard of .006 milligram per ampere hour.
SPECTRA U SERIES
HORIZONTAL FLOW CHEMICAL MIST ELIMINATOR

CONTROL PANELS
KCH offers design and fabrication of control panels for completely automated washdown systems and static pressure monitoring systems.
Mist Eliminators

PVC, POLY-PRO, FRP, OR STAINLESS STEEL

IN-LINE SERIES

HORIZONTAL FLOW MESH PAD MIST ELIMINATOR
The KCH horizontal flow mesh pad mist eliminator is designed for installation in a horizontal duct run. These units utilize one specifically designed mesh media to entrap particles of corrosive chemicals that may be carried in the air stream. This unit has a bolt-on access door and can be equipped with a spray chamber for periodic wash down. A drain trap and coupling is provided in the bottom.

IN-LINE SERIES

VERTICAL FLOW MESH PAD MIST ELIMINATOR
The KCH vertical flow mesh pad mist eliminator is designed for installation in a vertical duct run. These units are equipped with one specifically designed mesh pad media to entrap corrosive particles in the airstream. Each unit is complete with a sliding access door and drain.

MAGNA SERIES

CYCLONIC MOISTURE EXTRACTOR
The KCH MAGNA Series moisture extractors are designed to cause the contaminated air to move centrifugally through the unit causing moisture to collide with and run down the inside walls. Each unit is complete with a spray wash down ring and drain.

MIST-EL SERIES

OIL MIST EXTRACTOR
The KCH MIST-EL oil mist extractor combines a spinning action with packing media to insure high efficiencies in oil mist removal. Each unit is equipped with a 360 degree discharge so clean air can be exhausted back into the plant. All units come equipped with double inlets, FRP coated steel impeller, TEFC motor, direct drive, and drain.
“MIST—EL” PVC

- EXTRACTS OVER 99% OIL MIST FROM POLLUTED AIR.
- EXTRACTED OIL CONDENSED FOR REUSE
- EXTRACTED AIR RETURNED FOR REUSE.
- EFFICIENTLY REDuces MAINTENANCE.
- EFFICIENTLY REMOVES WELDING FUMES IN CONBINATION WITH A HEPA FILTER.
- OPTIONAL CASTERS AVAILABLE TO MAKE UNIT COMPLETELY PORTABLE.
- CAN BE USED WITH A STANDARD 115/1/60 POWER SUPPLY.

With a self-cleaning filter which virtually eliminates cleaning and replacement, the KCH Mist-EL is the ultimate in collecting industrial oil mists from polluted air. The Mist-EL is compact and can be used on individual machines or on small groups. Its high efficiency normally allows clean air to be exhausted directly into the plant eliminating heated air make-up needs.

Efficiency levels are as follows:
- Cutting and Machining mineral oil = 99.83%
- Water and oil emulsions = 99.51%

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