

# Ultra High-Efficiency Filter (UHF®) System

**A Proven, Low-Cost Solution To Remove Oil Mist, Sub-Micron Particulate, Condensed Fumes, Sticky/Wet Particulate, Smoke, Odors, and Other Emissions**



*UHF® installation at a metal products plant.*

## Low Capital Cost

The UHF® system is a **simple, compact design**, with generally much lower space requirements, and reasonable capital cost.

## Low Operating Cost

Filter replacement is simple and performed while the system is on line, in typically 5-10 minutes, with **no unit or process downtime**. Filter media rolls are inexpensive. The UHF® system is virtually maintenance free, even in the messiest applications.

## Ultra-High Control Efficiency

APC Technologies, Inc.'s Ultra High-Efficiency Filter (UHF®) systems use a **proprietary design** to remove fine condensed and solid particulate emissions with control efficiency of up to and in excess of **99% including sub-micron size particulate**.

## Broad Range of Applications

UHF® systems control **oil mists, wet/sticky and or oily dust, condensed hydrocarbons, smoke, haze, submicron particulate, indoor plant air, and certain odors**. The UHF® design is especially advantageous against competing technologies for oily, sticky, and/or wet emissions. UHF® systems can also provide some removal of certain gas-phase contaminants such as VOC's and odors.

**Applications include:** adhesives, aluminum, asphalt plants, auto shredding, bakeries, industrial boilers, chemical plants, coating operations, composites/pultrusion, fire testing, food processing, foundries, industrial furnaces and kilns, foundries, waste incinerators, plant indoor air quality, lubricants, metal casting and forging, other metal products, oil/petroleum processes, packaging, plastics, polymers, power plants, printing, pulp and paper operations, rendering, resins, rolling mills, roofing, rubber, scrap processing, sealants, sludge incinerators, specialty metals, steel, textiles, wood products, and others.

## Proven Through Performance

UHF® systems have a proven track record of **reliability and consistent performance** in a wide variety of applications and demanding environments.

*Air Purification / Emission Control / Resource Recovery*

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