

POLLUTION SOLUTIONS

Enforcer III™ Composite Mesh Pad Dry Scrubbers and MW-100 Horizontal Wet Scrubber



Reference No. 19062-07

MAPCO PRODUCTS

- FUME SCRUBBERS
- ENFORCER III™ (CMP)
- MIST ELIMINATORS
- TERMINATOR™
- ULTRA-MACT™
- PREDATOR™
- FUME ARRESTOR™
- MISTMASTER™
- PVC DUCTWORK
- EXHAUST HOODS
- INSTALLATION
- SERVICE

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Four Complete Exhaust Systems Totaling Over 160,000 CFM Manufactured and Installed in Record Time

Background

A Midwestern manufacturer of automotive components maintains a very large in-house finishing and chrome plating line. When the opportunity to double the size of the plating line presented itself, the manufacturer included Mapco in the competitive bidding process for the most advanced engineered system designs and turn-key pricing. Project scope included four



large systems, each of which had to satisfy all relevant OSHA, EPA and State air quality requirements, and a very aggressive time table for completion. Mapco was

able to satisfy all requirements and offer scrubbing technologies that minimized the production of waste water requiring treatment. Once the order was placed, Mapco spearheaded the effort to finalize ventilation system drawings. Construction on the largest exhaust fans began almost immediately.

As each large fan and scrubber was completed, these pieces were shipped to the site and staged next to the plant. An unusually large crane was required to set the equipment, so all roof-mounted equipment and ductwork was set over a period of just two days. With all aspects of the plating line expansion proceeding concurrently, access to portions of the new line was often limited. A carefully thought-out plan for utilizing manpower and scheduling around other tradesmen resulted in completion of most of the ventilation system work in an astonishing two weeks.

For the chromic acid exhaust and elimination equipment, Mapco employed use of its time-tested and extremely successful Enforcer III™ multiple-stage, composite mesh pad mist eliminator. The Enforcer III system includes self-cleaning and long-life mesh pads, low pressure drops and closed-loop operation.



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