



## Venturi Purification (VP) Scrubbers

### Principle of Operation

Venturi scrubbers utilize inertial impaction for high-efficiency removal of dust, particulate, aerosol and mists. A venturi throat accelerates the gas stream to very high velocity, shearing the scrubbing liquid into minute droplets. The fine liquid droplets collide with and entrap the contaminants in the gas stream. The contaminated liquid particles are removed, leaving a clean exhaust.

### High Control Efficiency

APC's VP Series venturi scrubbers are designed for high control efficiency and are also typically supplied with an adjustable venturi throat to provide additional control efficiency if/as needed.



### Combine with Other Systems

VP Series scrubbers can be located upstream of APC's UHF® (Ultra High-Efficiency Filter) System, which serves as a final polishing stage for very fine particulate. VP scrubbers can also be used in series with APC's Gas Purification (GP Series) packed-tower scrubbers to control both particulate and gas-phase contaminants.

### Customized Materials

Corrosion and/or temperature-resistant construction are available depending on the specific requirements of the application. Materials of construction can include carbon steel, stainless steel, fiber-reinforced plastic (FRP), hastelloy and others.

### Broad Range of Applications

VP Series scrubbers control a variety of particulate matter, aerosol, and mists. Applications for VP scrubbers include acid plants, adhesives, asphalt plants, blast furnaces, chemical plants, food processing, foundries, incinerators, lime kilns, metals industry, plastics, power plants, pulp and paper manufacture, rendering, resins, smelting, wastewater treatment emissions, and wood products manufacture, among many others.

### Proven Through Performance

APC's VP Series scrubbers have a proven record of reliability and consistent performance across a variety of industrial applications and demanding environments.

### Obsolete- Low Capital and Operating Cost

The VP scrubber system's high efficiency provides for the lowest capital costs, low operating costs, compact design, and low space requirements compared to other technologies.

APC Technologies, Inc. provides a complete line of air purification, emission control, and resource recovery systems for industrial applications and indoor air quality requirements. The company's success is based on over 100 years of experience among the management team, uniquely effective and efficient system designs, rigorous analysis of options taking the customer's perspective, and complete single source responsibility including turnkey installation.

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**APC Technologies, Inc.**

Phone (US): 877.464.2728 • Phone (Outside US): 412.344.1870

Contact Us: [www.apctechnologies.net/contact-us/](http://www.apctechnologies.net/contact-us/)