

AEROMIX™

WET SCRUBBER SYSTEM

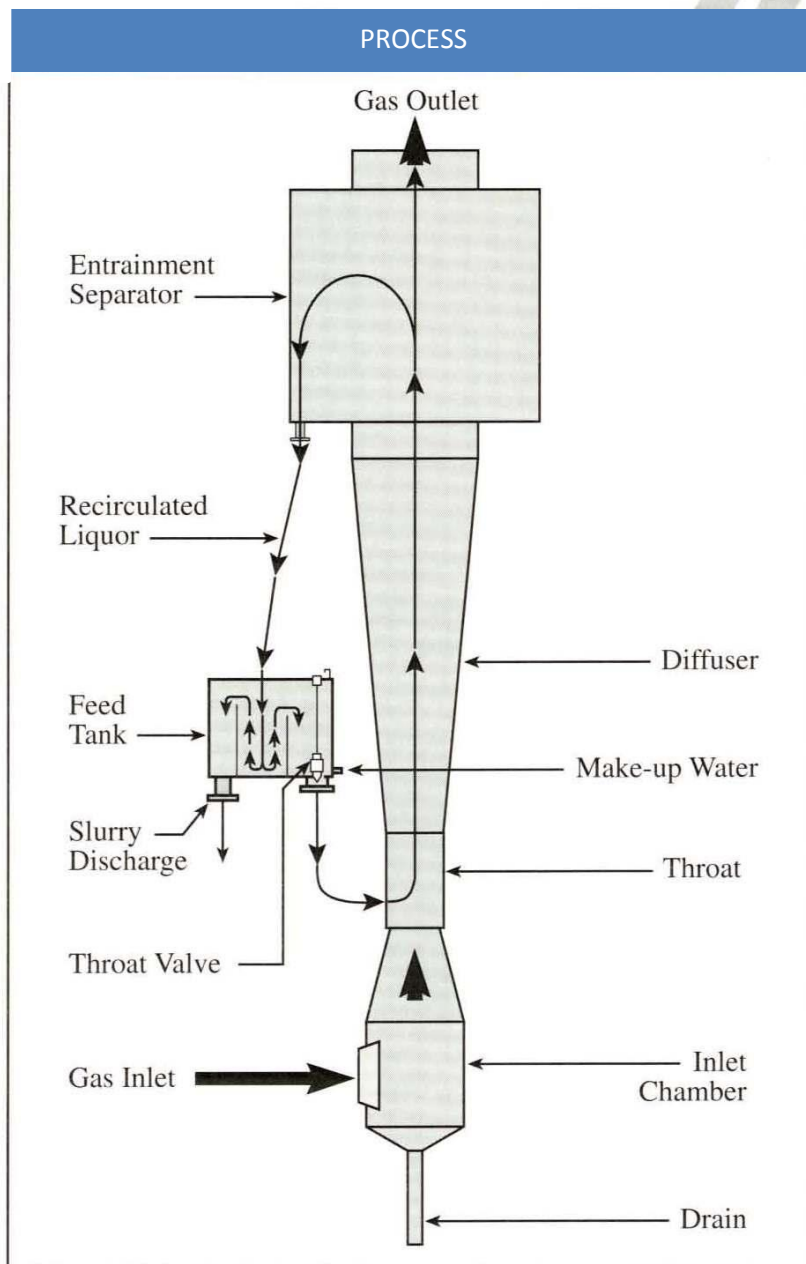
For Particulate Control

Low Energy
Venturi Scrubber



quality · innovation · experience

**Quality, flexibility,
plus a simple,
low maintenance
design equal
dependable operation**



The Aeromix™ Wet Scrubber is a unique low-energy, venturi-type scrubber. In most venturi-type scrubbers, the gas flows downward through the venturi and then to a separate and parallel entrainment separator where the direction of flow is reversed. In the Aeromix, the gas flow is upward through the venturi.

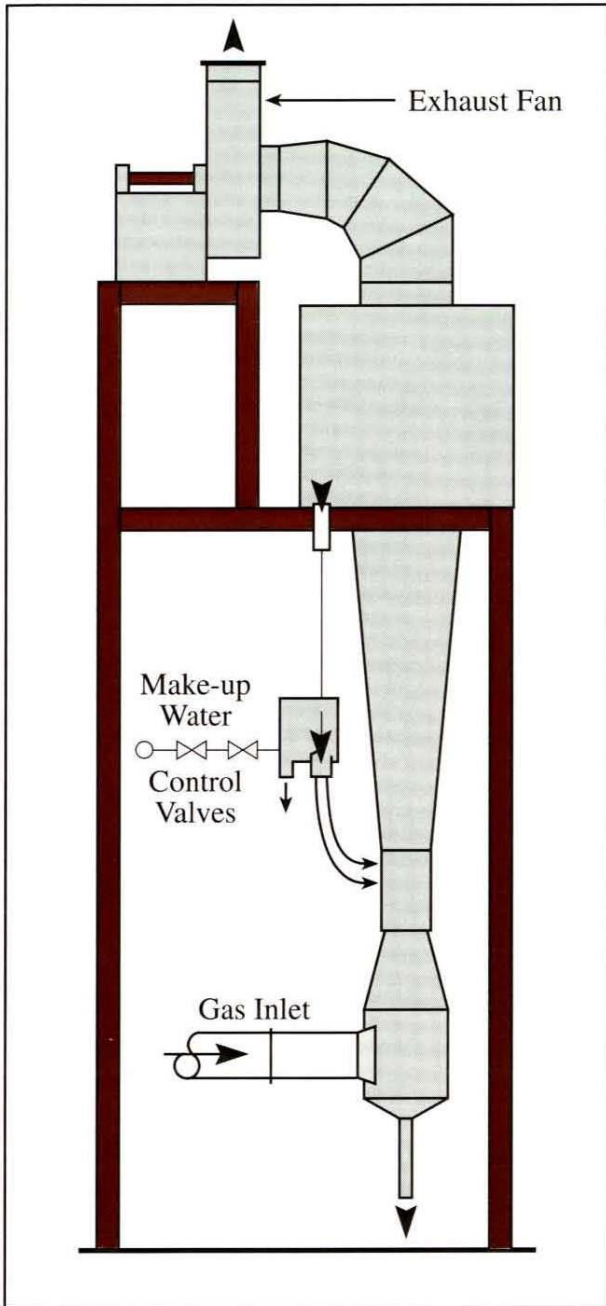
Gases enter the throat of the scrubber at an elevated velocity, where they are contacted by the recirculating scrubbing liquor. The scrubbing liquor flows by gravity from the feed tank and is comprised of a mixture of make-up liquor and recirculated liquor.

Collected particulate is carried upward with the gas to the helical entrainment separator. A centrifugal motion to the gas stream causes increased velocity, and the separated liquor drains and is carried by gravity from the entrainment separator to the feed tank.

Features

- *Low energy venturi scrubber*
- *Low pressure drop of 3" to 8" W.G.*
- *No recirculation pump or spray nozzles*
- *Gravity recirculation*
- *Slurry concentration of 25% to 30% can be maintained*
- *Up to 99% collection efficiency for plus 2 micron size particles*

UNIQUE LOW ENERGY SCRUBBER



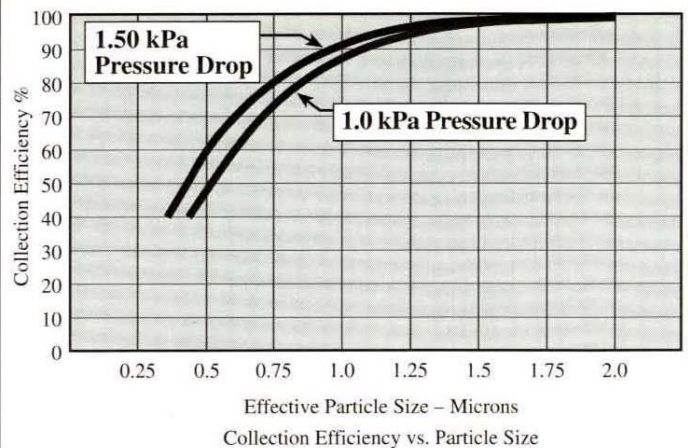
Typical arrangement with exhaust fan

Note: Fan can be located at the inlet to Aeromix scrubber

Standard Models

| Aeromix Model No. | Flow Volume at exit - cfm | Flow Volume at exit - m ³ /hr |
|-------------------|---------------------------|--|
| 100 | 600 | 1,020 |
| 150 | 1,300 | 2,210 |
| 166 | 1,625 | 2,760 |
| 183 | 1,940 | 3,300 |
| 202 | 2,365 | 4,020 |
| 222 | 2,860 | 4,860 |
| 245 | 3,500 | 5,950 |
| 270 | 4,240 | 7,200 |
| 297 | 5,150 | 8,750 |
| 328 | 6,285 | 10,680 |
| 362 | 7,660 | 13,020 |
| 400 | 9,300 | 15,810 |
| 440 | 11,300 | 19,210 |
| 485 | 13,600 | 23,120 |
| 535 | 16,700 | 28,390 |
| 590 | 20,300 | 34,510 |
| 650 | 24,600 | 41,820 |
| 717 | 30,000 | 51,000 |
| 755 | 33,260 | 56,540 |
| 790 | 36,400 | 61,880 |
| 830 | 40,200 | 68,340 |
| 925 | 50,000 | 85,000 |
| 1015 | 60,000 | 102,000 |
| 1150 | 77,150 | 131,155 |

Aeromix Scrubber - Efficiency Curve (Particle S.G. 3-4)



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