

Venturi Scrubbers

Collect Fine Particles & Mists

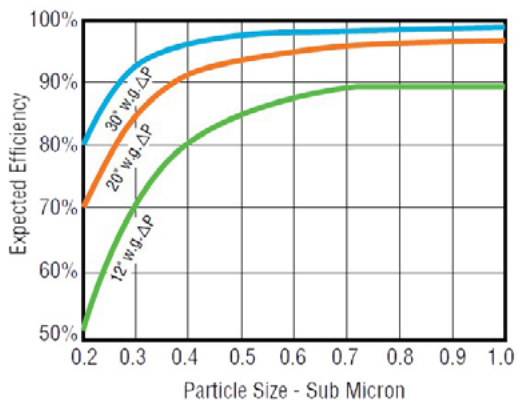
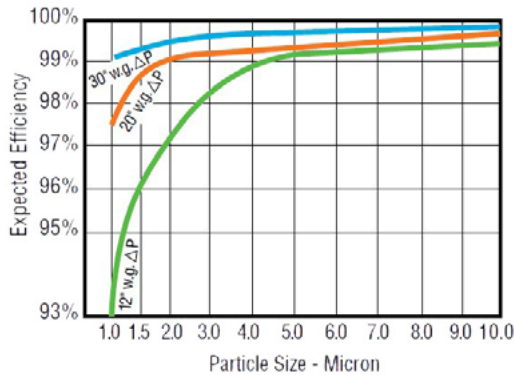
The Venturi Scrubber utilizes a converging throat to increase incoming gas velocity, forced entrained contaminants into scrubbing liquid and out of the air stream.

Unsurpassed for Separating and Recovering Liquid Mists and Fine Particulate

Simple in design, yet highly efficient, the Sly Venturi Scrubber incorporates features proven to maximize collection efficiency while minimizing operating and maintenance costs. The Sly Venturi Scrubber offers a non-plugging, trouble-free method of introducing scrubbing liquid, a simple, easily-adjusted throat for optimizing efficiency, and a flooded elbow arrangement that collects particulate while providing an abrasion-resistant barrier to deter scrubber wear.



Standard Venturi Efficiency



Cleans and Reclaims

The Sly Venturi Scrubber removes pollutants present in process gas streams. This includes removing hazardous and nuisance dusts, fumes and mists from stack gases.

Highlights

- Handles combustible dusts safely, without modifications
- Collects fine particles & mists
- Adjustable throat permits fine-tuning to maximize efficiency
- High efficiencies for sub-micron particulate
- Capacities from 1500 to 76,000 ACFM
- Water recirculation typically 8 GPM per 1000 ACFM
- Differential pressure from 12" w.g. to 40" w.g.
- Emissions warranties available
- Low maintenance
- No moving parts

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Standard Equipment

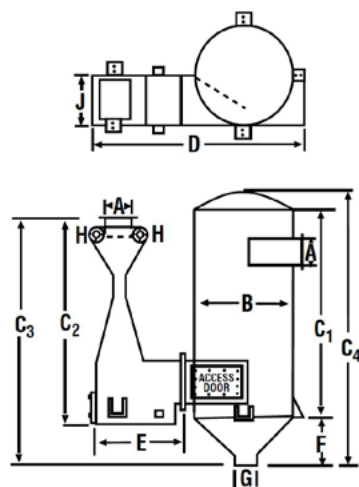
- Wetted approach inlet
- Removable liquid distributors (no spray nozzles used)
- Manually adjustable throat
- Flooded elbow
- Adjustable cyclonic spin damper
- Access doors (bolted)
- Carbon steel/stainless steel construction

Optional Equipment & Features

- High alloy or FRP construction
- Combination units (Venturi/Packed Tower) available
- Auto adjustable throat positioner
- Quick opening access doors
- Integral sumps
- Recirculation tanks
- Pumps
- Exhaust fans
- Instruments

Venturi Scrubber Capacities & Dimensions

Size	Nominal Capacity Sat. CFM	Inlet & Outlet A	Sep. Dia. B	Sep. C ₁	Vent C ₂	Vent C ₃	Sep C ₄	Overall Width D	Venturi Width E	Sep. Cone F	Drain Pipe G	Water Pipe H	Venturi Depth J
0.5	1,500/2,600	10x10	3'-0"	5'-0"	5'-8"	6'-2"	6'-4"	5'-8"	2'-4"	1'-1"	2"	2"	11"
1	2,600/3,600	13x13	3'-8"	6'-6"	6'-6"	7'-3"	7'-10"	6'-8"	2'-4"	1'-4"	3"	2"	1'-5"
2	3,600/4,700	15x15	4'-1"	7'-2"	6'-9"	7'-7"	8'-7"	7'-3"	2'-6"	1'-5"	4"	2"	1'-5"
3	4,700/6,300	17x17	4'-8"	8'-2"	7'-3"	8'-3"	9'-9"	8'	2'-11"	1'-7"	4"	2"	1'-9"
4	6,300/8,500	20x20	5'-3"	9'-1"	7'-9"	8'-11"	10'-10"	8'-11"	3'-2"	1'-9"	4"	2"	1'-9"
5	8,500/11,500	23x23	5'-11"	10'-4"	8'-10"	10'-2"	12'-4"	9'-11"	3'-7"	2'	6"	3"	2'-4"
6	11,500/15,000	26x26	6'-7"	12'-1"	9'-7"	11'-1"	14'-3"	11'	3'-11"	2'-2"	6"	3"	2'-4"
7	15,000/20,000	30x30	7'-5"	14'-1"	11'-4"	13'-1"	16'-6"	12'-6"	4'-9"	2'-5"	6"	4"	3'-1"
8	20,000/27,000	35x35	8'-4"	16'-5"	11'-11"	14'-2"	19'-3"	13'-8"	5'-1"	2'-10"	8"	4"	3'-1"
9	27,000/36,000	40x40	9'-4"	19'-0"	14'-7"	16'-11"	21'-11"	15'-8"	6'-1"	2'-11"	8"	4"	4'-5"
10	36,000/48,000	46x46	10'-6"	22'-1"	15'-4"	18'-1"	25'-5"	17'-3"	6'-6"	3'-4"	10"	6"	4'-5"
11	48,000/60,000	52x52	11'-10"	25'-7"	17'-6"	20'-7"	29'-3"	19'-4"	7'-5"	3'-8"	10"	6"	5'-10"
12	60,000/76,000	58x58	13'-4"	28'-5"	17'-7"	20'-9"	32'-7"	21'-1"	7'-5"	4'-2"	12"	6"	6'-6"



Venturi is coupled with a cyclonic separator which provides non-clogging mist elimination.

