

Engineering excellence and innovation are key to Ceilcote Air Pollution Control's position of leadership in the air pollution control industry for more than three decades. Our reputation for integrity and setting industry standards is unchallenged. Examples range from the development of the crossflow scrubber and vertical packed towers to several patents awarded for manufacturing methods and custom-designed pollution control technology. Our vast experience means we have the expertise to design your projects or upgrade existing systems to meet the unique needs of the ever-expanding microelectronics industry.

BENEFITS

Ceilcote Air Pollution Control vertical packed tower and horizontal packed scrubbers systems provide an economical, high efficiency solution for the removal of organic acid, alkali and organic halide gases from the microelectronics process gas stream. Scrubbers are corrosion resistant and designed to be compact for installation where space is at a premium. Our high quality CLUB Series FRP fan offers the tightest vibration tolerance available, exceeding sensitive microelectronics process requirements.

Over 30 years of manufacturing experience is backed by a complete performance guarantee and equipment warranty. Rigid fabrication standards and uncompromising quality control create reliable, long lasting, low maintenance solutions to the air pollution control needs of the microelectronics industry. With a global network of company offices, representatives and fabricators, technical assistance and field service is only a phone call away.

SYSTEM FEATURES

SCRUBBERS

A vertical packed tower is the perfect option where floor space is at a premium; a horizontal packed bed scrubber works best where ceiling height is limited or roof mounting is required.

- Standard scrubbers can be accessorized to fit a variety of microelectronics industry needs.
- System components may include pumps, pipe, instrumentation, control panel, containment, fan and isolation bases.
- Skid-mounted/package systems are pre-piped and pre-wired for minimal customer assembly.
- Other industry air pollution problems may be solved with our DeNOx System for NOx removal or our IWS® System for submicron particulate removal.

FANS

- CLUB Series fans are the highest quality, hand-fabricated FRP fans available.
- Customized resin system is designed to withstand the chemical attack of aggressive chlorides and fluorides.
- AMCA tested and rated.
- All fans are dynamically balanced – *twice* – for smoother running and longer life resulting in highly efficient, low noise operation.

TOWER PACKING AND INTERNALS

The unique design of our Tellerette® Tower packing makes it more efficient than conventional packings in a wide range of mass transfer and particulate collection applications.

- High efficiency, low pressure drop packing means lower packing depth in new columns, higher absorption efficiency in existing columns.
- Provides excellent turndown capability without sacrificing performance.
- High efficiency mist eliminators within the scrubbing system guarantee removal of +99% by weight of all entrained liquid droplets from the gas stream before gas is released into the atmosphere.

HIGHLIGHTS

Decades of experience using FRP construction for air pollution control equipment has given our engineers a thorough understanding of the critical needs of the micro-electronic industry.

We provide new, complete systems, upgrade an existing system, or provide consulting engineering services for complete turnkey projects.

Unequaled depth of technical and field resources ensures on-time delivery and start-up of our systems. Engineers and technicians are highly trained in installation assistance, start-up, testing and personnel training.

Our aftermarket support begins with delivery of our products and continues over its useful life. No other company has the resources to provide this level of support.

"Verantis Corporation successor in interest to
Air Cure Dynamics, Inc. — DBA Ceilcote Air Pollution Control"

VERTICAL PACKED TOWER SCRUBBER SYSTEM SPECIFICATIONS

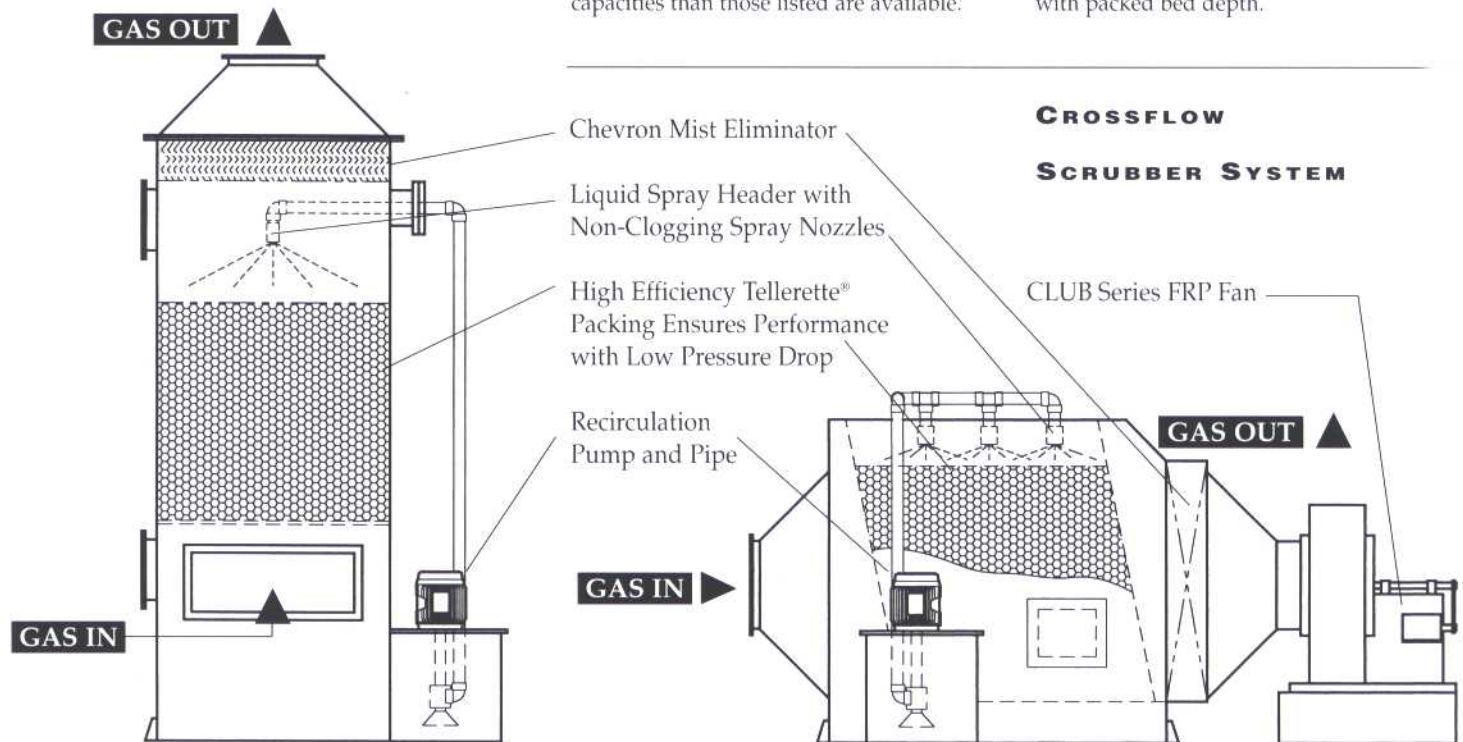
Model Number	Normal Capacity (CFM)	Maximum Capacity (CFM)	Recycle Rate (GPM)	Tower Diameter	Tower and Sump Distance	Height
SPT-84-60	19,000	24,000	230	7'	9'- 2"	15'- 10"
SPT-96-60	25,000	31,000	300	8'	10'- 2"	16'- 5"
SPT-108-60	31,000	39,000	382	9'	11'- 2"	17'- 5"
SPT-120-60	39,000	49,000	470	10'	12'- 2"	18'- 10"
SPT-132-60	49,000	59,000	570	11'	13'- 2"	19'- 7"
SPT-144-60	59,000	70,000	678	12'	14'- 2"	20'- 3"

CROSSFLOW SCRUBBER SYSTEM SPECIFICATIONS

Model Number	Normal Capacity (CFM)	Maximum Capacity (CFM)	Recycle Rate (GPM)	Width	Height	Length
HRP-66-60	18,000	22,500	180	8'- 4"	9'- 4"	12'- 5"
HRP-68-60	24,000	30,000	180	8'- 4"	11'- 6"	13'- 6"
HRP-88-60	32,000	40,000	240	10'- 4"	11'- 6"	13'- 11"
HRP-108-60	40,000	50,000	300	12'- 2"	11'- 6"	15'- 6"
HRP-1010-60	50,000	62,500	300	12'- 2"	13'- 1"	14'- 11"

VERTICAL PACKED TOWER SCRUBBER SYSTEM

- Normal capacity face velocity = 500 FPM.
- Maximum capacity face velocity = 625 FPM.
- Scrubbers listed have 5' deep packed bed depth; other depths available on all scrubbers.
- Scrubbers sized for higher or lower capacities than those listed are available.
- Standard recirculation rate is calculated using 6gpm/ft² of wetted area.
- In the Vertical Packed Tower Scrubber, recirculation rate will not vary with packed bed depth, as wetted area remains constant. The Crossflow Scrubber recirculation rate will vary with packed bed depth.



Ceilcote Air Pollution Control

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