

Packaged Interel Gas Scrubbers Type IC Scrubber

The **Type IC Scrubber** is designed as an economical method to process small gas flows with high concentrations of gas emissions. It is available in 4 sizes from 100 to 400 ACFM. The packing height and type of packing can be selected to meet any required scrubbing efficiency. The IC scrubber is simple in design, is fabricated in corrosion-resistant polypropylene, has no moving parts and is easily serviced.

Benefits

- Compact, fully pre-assembled unit saves installation time and cost.
- Ready for connection to gas ducting and scrubbing fluid.
- Can be used for simple batch operations for water only scrubbing.

Applications

- Control of odor emissions, noxious or corrosive fumes
 - chemical storage tank vents
 - periodic drum filling
 - chemical transfer operations
 - compressor blowdowns
- Scrubbing vapors of most inorganic chemicals.
- Scrubbing water soluble organic chemicals.

Scrubbing Efficiency

This packed bed type scrubber can achieve up to 99.999% efficiency.

Features

- Scrubber body fabricated in heavy gauge corrosion resistant polypropylene, which offers excellent UV light and weather resistance and has operating temperature capability to 150°F.
- Flanged inlet and outlet connections are included.
- Components internal to the body include packing for gas scrubbing and mist elimination, and a non-clogging spray nozzle that is pre-piped for easy connection.
- Large seal leg is included with the drain to keep any volatile fumes in the scrubber liquid from discharging into the environment.

Optional Features

- Steel frame that is protected with a corrosion resistant coating.
- Liquid flow meter, flow control valve and solenoid valve for remote controlled operation. For storage tank vents the solenoid can be interlocked with the filling process controls.
- Pressure drop process indicator to monitor gas flow and packing condition.
- Highly corrosion resistant FRP fan if negative pressure at the scrubber inlet is required by the process. Ducting included.
- Fully functional electrical control panel to support any electrical option. All scrubber mounted electrical components are pre-wired to the panel which minimizes the amount of electrical wiring at installation. A supply of 3 phase power is the only electrical work required.



Custom Options

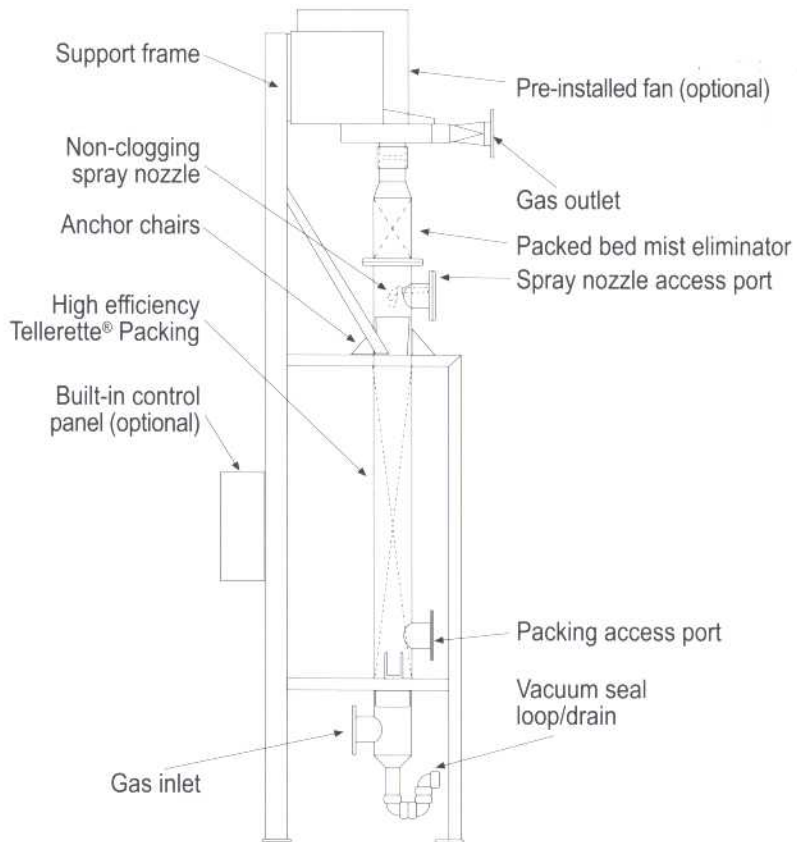
Ceilcote Air Pollution Control will custom build a scrubber to your specifications. These may include explosion proof components and additional instrumentation.

Operating Principle

The Standard IC Scrubber consists of a packed bed column with spray nozzle, mist eliminator and seal leg drain. This configuration is suitable for infrequent rather than continuous operation as the scrubbing liquid is used only once (known as once-pass through). The useful range is extended when water is used as the scrubbing fluid, when an economic use for the spent scrubbing reagent (acid or caustic) is available or when the customer has a method of storing and recirculating the reagent. (An option is available for a simple recirculation system)

Features

- Highly corrosion resistant for longer life.
- Custom features to meet your specific applications.
- Pre-tested (before shipment).
- Standard options available with fast delivery.
- Vacuum seal loop/drain.



Specifications

Model	Gas Vol. ACFM	Dia. In.	Packing Ht.	Unit Ht. Ft.	Liquid Rate GPM	Pressure drop In. W.G.	Frame Dim. Ft.	Shipping Wt. Lbs.
IC-6	20-100	6	8	12.5	.5-1	0.7-2.8	2'x2'	200
IC-8	100-225	8	8	12.5	1-1.5	0.7-2.9	2'x2'	200
IC-10	150-275	10	8	12.5	1.5-2	0.6-2.4	2'x2'	200
IC-12	200-400	12	8	12.5	2-3	0.6-2.4	2'x2'	200

Specifications are subject to change without notice.

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