

# Chemical Scrubber Odor Control Units

## OVERVIEW:

The chemical scrubber tower is a vertically oriented scrubber filled with an inorganic media. The filter's unique design treats odors in areas where space is at a premium or where VOCs are present.

Contaminated air enters the scrubber tower and flows either upward or downward (depending on the design) through the media along with a recirculating chemicals solution flow. The recirculation solution maintained in the scrubber tower allows for optimal control of pH, chlorine levels and odor limits. In some applications.

## PRODUCT HIGHLIGHTS:

### Standard Features

Cost-effective odor control solutions with these products:

- Built-in-Place (BIP) Scrubber Systems — for larger air flow rate applications
- Modular Package Scrubber — for small air flow rate applications
- Scrubber Towers — for space-limited applications

### What is a Chemical Scrubber?

Chemical scrubbers achieve odor removal by mass transfer absorption via contact of air stream with aqueous solution on random packing material in a scrubbing chamber. Two parameters define the performance of any absorption scrubbing system. These are the efficiency of gas/liquid contact and the adequacy of a chemical within the aqueous phase to promote reaction and absorption. Basia Contracting uses a special media which increases the efficiency of the scrubber in smaller tower size.

### Main features:

- Scrubbing liquid make-up system
- Scrubbing liquid re-circulation system
- Scrubbing liquid discharge system
- Scrubbing liquid chemical for adjusting the pH and ORP value
- Ventilation system



MODEL	DIAMETER IN INCHES [MM]	HEIGHT IN INCHES [MM]	FLOW RANGE IN CFM [M3/HR]
COC-060	60 [1524]	180 [4572]	220-370 [370-630]
COC-072	72 [1829]	180 [4572]	320-530 [540-900]
COC-084	84 [2133]	180 [4572]	430-720 [730-1,220]
COC-096	96 [2438]	180 [4572]	560-940 [950-1,600]
COC-108	108 [2743]	180 [4572]	715-1,190 [1,200-2,000]
COC-120	120 [3048]	180 [4572]	880-1,470 [1,500-2,500]
COC-132	132 [3352]	180 [4572]	1,070-1,780 [1,800-3,000]
COC-144	144 [3657]	180 [4572]	1,270-2,120 [2,160-3,600]

### Notes:

- Vessels are made of HD Polyethylene, FRP, or Carbon Steel according to client requirements
- All vessels can be provided in carbon steel lined with Plasite 7159 or 316L stainless steel.
- Piping is available in PVC, CPVC FRP, and 316L stainless steel.



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