

# ESCRUB 6000-1-SS SCRUBBER



ESCRUB 6000-1-SS is our highest flow-packed column recirculating scrubber capable of handling flow rate as high as 6,000 CFM. It is skid-mounted making the unit easily transported with a forklift. Designed using 304 stainless, it is corrosive-resistant to a wide range of scrubbing chemicals. It has all explosion-proof electrical and can be placed in any Class 1, Division II hazardous location. Predominantly it is used to meet EPA SO<sub>x</sub> emissions by reducing or eliminating H<sub>2</sub>S or SO<sub>x</sub> vapors upstream of an Envent thermal oxidizer. but it has multiple applications including use in reducing and/or eliminating ammonia vapors. It has a duplicate sister unit that can be run in series for extremely high concentrations or in parallel for continuous operation.

## ESCRUB 6000-1-SS SPECIFICATIONS



**RATED FLOW** 0 – 6,000 SCFM Maximum  
Flow may be reduced based on piping restrictions

**CONNECTION TYPE**

Inlet	8 in. Flange
Outlet	8 in. Flange

**SCRUBBER MEDIA** - Various

Sodium Hydroxide (Caustic)	1 – 25% Solution
Potassium Permanganate	1 – 25% Solution
Acid (Acetic, Citric, Hydrochloric, Phosphoric)	1 – 25% Solution
Odor Abaters	1 – 10% Solution
Diesel (Passive Non-Recirculating Flow)	

**PACKING MEDIA**

Type	304 SS Pal Rings
Packing Size	1.5 in.
Packing Factor	26
Quantity	72 cu. ft.

**PRIMARY SCRUBBER CHAMBER CHARACTERISTICS**

Material	304 SS
Overall Dimensions	7 ft. x 7 ft. x 10 ft.
Diameter	5 ft.
Height	9.5 ft.
Scrubbing Chamber	186 cu. ft.
Liquid Fill Volume	345 gallons solution

**SPECIAL FEATURES**

- Explosion-proof electrical
- Mag drive explosion-proof pump
- Pressure and temperature gauges
- Recirculation line sample ports for pH testing
- Column sight glass
- 5 PSI rupture disk to prevent over-pressuring vessel
- Demister pad to prevent liquid carry-over
- pH probes
  - Optional DCS output capabilities and low pH output alarms
  - Optional recirculation flow output capabilities
  - Optional high temperature alarms
  - Optional electromagnetic flow meter with a local HMI

Call Envent now at 888-997-9465 or email us at [solutions@envent.net](mailto:solutions@envent.net)



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