

ESCRUB 6000-SS SCRUBBER



ESCRUB 6000-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_x emissions by reducing or eliminating H₂S or SO_x vapors upstream of an Envent thermal oxidizer. It has multiple applications including 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-SS SPECIFICATIONS



RATED FLOW	0 – 6,000 SCFM Maximum Flow may be reduced based on piping restrictions
CONNECTION TYPE	
Inlet	12 in. Flange
Outlet	12 in. Flange
SCRUBBER MEDIA - Various	
VapoScrubH ₂ S5	1 – 6% Solution
Sodium Hydroxide (Caustic)	1 – 25% Solution
Potassium Permanganate	1 – 5% Solution
Acid (Acetic, Citric, Hydrochloric, Phosphoric)	1 – 25% Solution
VapoScrubEX5	
Odor Abaters	1 – 10% Solution
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	
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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



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