

# ESCRUB 2000-SS SCRUBBER



ESCRUB 2000-SS is a trailer-mounted, dual-packed, recirculating column scrubber designed for high-concentration vapor and flows up to 2,000 CFM. It is designed for two configurations: either in series, for extremely high vapor concentration, or in parallel. Both configurations can be set up for continuous operation and provide 100% efficiency. The unit comes with an air compressor and a piped-in PD transfer pump for easy transfer of spent and fresh caustic. It is designed for atmospheric pressure and is non-ASME rated.

## ESCRUB 2000-SS SPECIFICATIONS



### RATED FLOW

0 – 2,000 SCFM Maximum  
Flow may be reduced based on piping restrictions

### SCRUBBER MEDIA - Various

VapoScrubH2S5	1 – 6% Solution
Sodium Hydroxide (Caustic)	1 – 25% Solution
Potassium Permanganate	1 – 5% Solution
Acid (Acetic, Citric, Sulfuric, Phosphoric)	1 – 25% Solution
Water	

### PACKING MEDIA

Type	304 SS Pal Rings	Packing Factor	26
Packing Size	1.5 in.	Quantity	30 cu. ft.

### PRESSURE VACUUM SETTINGS

Pressure	12 in. Hg
Vacuum	12 in. Hg

### SCRUBBER CHAMBER CHARACTERISTICS

Overall Trailer Dimensions	32 ft. x 8.5 ft. x 13 ft.
Column Diameter	30 in.
Column Height	79.25 in.
Scrubber Column Packing Volume	32 cu. ft.
Chamber Fill Volume	400 gallons min. (Approx. 12 in. from bottom) 600 gallons max. (Approx. 19.5 in. from bottom)

### OPERATIONAL/ENVIRONMENTAL BENEFITS

- Reduce or eliminate H<sub>2</sub>S, SO<sub>x</sub> or Ammonia vapors
- Used to meet EPA SO<sub>x</sub> emissions by scrubbing upstream of an Envent degassing unit

### SPECIAL FEATURES

- Redundant mag drive explosion-proof pumps
- Redundant stainless liquid strainers on liquid recirculation line
- Electromagnetic flow meter with recirculation flow output capabilities and a local HMI
- Pressure and temperature gauges as well as high temperature alarms
- 4 in. inlet flame arrestor
- Demister pad to prevent liquid carry-over
- pH probes with DCS output capabilities and low pH output alarms
- High and low chamber level switches

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



Corporate Headquarters  
3220 East 29th Street ■ Long Beach, CA 90806  
[www.enventcorporation.com](http://www.enventcorporation.com)  
[www.vapor-scrubbers.com](http://www.vapor-scrubbers.com)