



**SWEET-AIRE®
ODOR CONTROL SYSTEMS
PE-500 PE DRUM SCRUBBER**

SYSTEM DESCRIPTION

SWEET-AIRE PE-500 MDPE drum scrubber units are designed to provide the same adsorption functionality as larger units; but only on a smaller scale. The drums can be filled with media custom-selected to provide the maximum time on stream between changeouts and to deliver the optimum contaminant removal while in service.

Some typical applications are:

- Sewer gas relief vents, manhole ventilation along collection systems
- Headworks channel odor control
- Storage tank vents
- Landfill gas odor scrubbing
- Sludge thickening tank and digester tank odor control
- Tanker truck loading facilities vapor containment
- API separators and other wastewater facility VOC or odor control.
- Laboratory fume hood ventilation VOC abatement

Every SWEET-AIRE HDPE drum scrubber contains a media support system that ensures that the airflow across the media is evenly distributed to provide consistent and efficient contaminant removal.

DRUM SCRUBBER SPECIFICATIONS

Container	Open top 200 gallon plastic drum, 42"D by 48"H
Body	High molecular weight, medium-density polyethylene (HMW-MDPE). Minimum thickness 0.25"
Cover	HMW-MDPE with four SS and rubber tiedown straps, and EPDM gasket
Inlet	6" Dia. PE Pipe Stub
Outlet	6" Dia. PE Pipe Stub. Optional TEE vent with SS screen available
Drain	3/4" FNPT
Media support	FRP grating and PVC screen
Max Oper. Temp	160°F
Max. Oper. Press.	2 psig
Max. Flow	500 ACFM
Carbon Capacity	30 cu. ft.
Empty Drum Wt.	42 lbs
Fan (optional):	Custom sizes. FRP, SS, PolyPro, or Aluminum Construction



FEATURES AND BENEFITS

The SWEET-AIRE HDPE drum scrubber units provide the end user with many benefits:

- Simple installation and ease of operation
- Corrosion resistant design – no metal in contact with process stream
- Supplied with the type of media to fit the application
- Units can be installed in parallel or series to provide additional capacity or stages of treatment
- System design will handle varying flow rates and process variability without reduction in performance
- Media support system ensures maximum media utilization and longer run lengths than pipe distributor designs
- Minimized treatment cost due to cost-effective design
- Many fan options to meet any ventilation need