



SPECIALTY ENVIRONMENTAL CHEMICALS AND EQUIPMENT

ELIMINATOR 550-304S

Vapor Absorption Scrubber

DESCRIPTION:

Industrial liquid absorber designed to remove hydrocarbons from vacuum truck pump exhaust. The Eliminator 550-304S has been shown to remove over 98.5% of gasoline vapors stemming from vacuum truck operations. The system is skid mounted and requires absolutely no utilities. To achieve 98.5%+ removal of hydrocarbons, Vapor Tech has developed a chemical media called BIO SCRUB X. This chemical media is economically priced and when spent, may be used as a fuel source due to the high BTU values. Unit is able to use other chemicals to absorb a host of other vapors, not simply hydrocarbons.

SPECIAL FEATURES

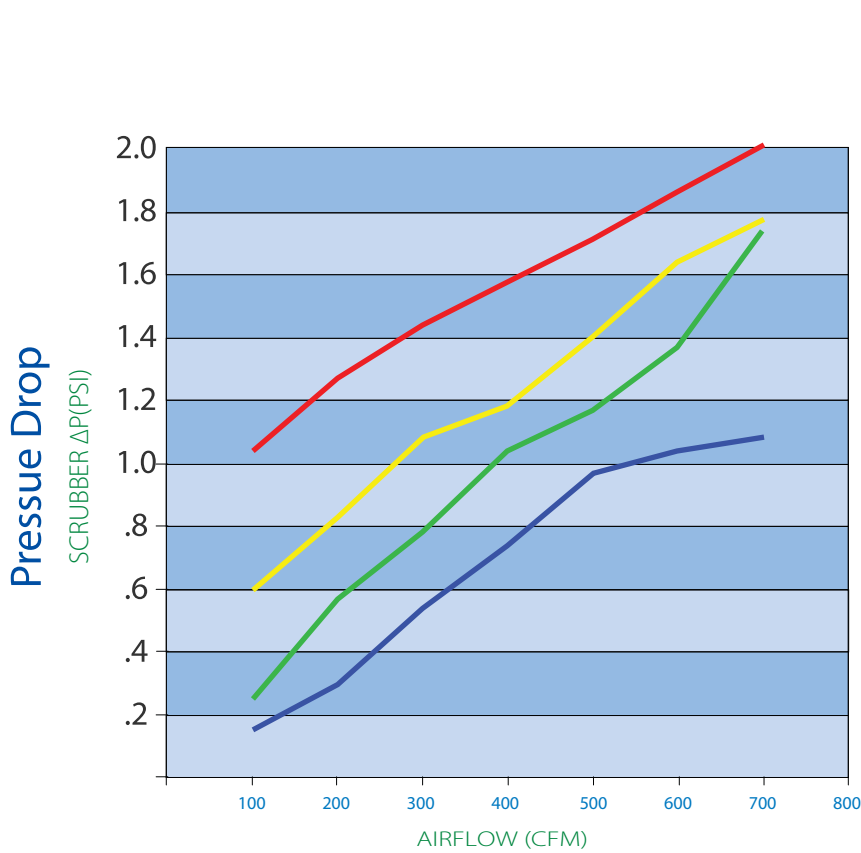
- Removal efficiencies as high as 98.5% for hydrocarbons such as gasoline!
- Uses Vapor Tech's economically priced Bio Scrub X chemical media to absorb hydrocarbons.
- Excellent for vacuum truck emissions & tank venting operations.
- Includes check valve, sample ports.
- Requires no utilities!
- Excellent for remote locations.
- Using other scrubbing solutions, unit able to scrub a host of other vapors.



SPECIFICATIONS

Unit Footprint	5.5'x 6.5"
Unit Height	9'
Vapor Inlet Size & Type	4" Flange
Vapor Outlet Size & Type	4" Flange
Typical Chemical Volume	275 gal (normal) / 400 gal (max)
Maximum Airflow	550 CFM
Maximum Pressure	100" W.C.
Maximum Vacuum	100" W.C.
Sample Ports	One per suction and discharge (vapor)
Utilities Required	None
Pressure Drop Across Unit	1.3 PSI (36" of water) at 450 CFM

E550-304S BACK-PRESSURE GRAPH AND SUPPLEMENTAL DATA



Liquid Volume (in E550 Unit)*

- 50 Gallons
- 150 Gallons
- 275 Gallons
- 400 Gallons (maximum operating level)

***Note:** Chemical used in this test was VaporTech's Bio-Scrub X hydrocarbon absorption media.

Disclaimer: The data above is unique to Vapor Tech's E550-304S vapor scrubber unit and is based on the proprietary design (internal and external) of the E550-304S. Due to the unique internal structure of this unit, this data will not correspond to other Vapor Tech model units. This data is property of Vapor Technologies, Inc. and may not be copied or reproduced without permission.

Diesel Notice: We **DO NOT** recommend using diesel fuel as a scrubbing agent in this scrubber unit since most diesel fuels have a tendency to foam. In this system, foam will build up quickly and result in poor performance as well as very high liquid carryover into the outlet knock-out (and possibly down-stream into carbon polishers) and even can flow back through the inlet of the scrubber. Bio-Scrub X is a non-foaming solution which will not have this effect.

LIQUID CARRYOVER

During higher vapor flows and high liquid volumes, carryover of scrubbing liquid is possible. Below are carryover amounts which were observed (liquid which collected in the knock-out pot which is located on the exhaust of the scrubber). If this becomes a problem, simply reduce liquid amount in scrubber and/or reduce airflow rate through the scrubber.

LIQUID CARRYOVER DATA

Liquid Level in Scrubber	Airflow Rate (CFM)	Liquid Carryover per Hour
275 gallons	550	.1 gallons
400 gallons	550	.65 gallons
400 gallons	275	.05 gallons



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