



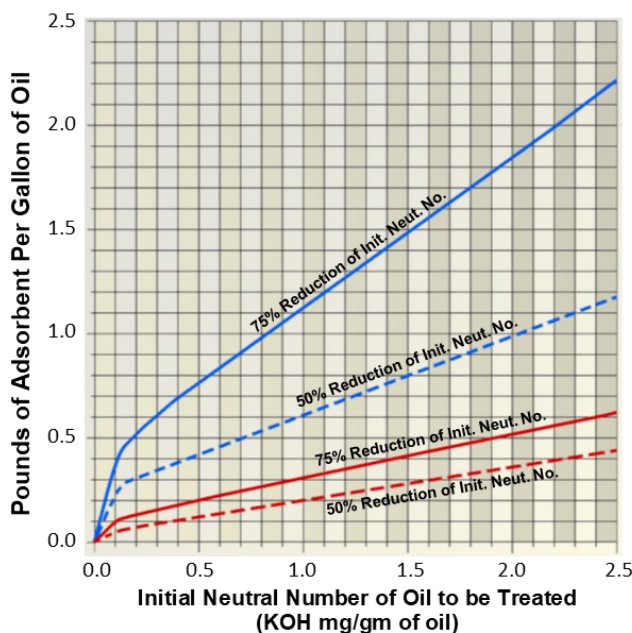
ADSORBENT TREATMENT SYSTEMS

FULLERS EARTH **SES522 - 500**



Before Treatment

The SES522 Adsorbent Treatment Systems (Fullers Earth) remove polar contaminants such as acids, oxidation by-products, and color bodies from numerous fluids. The bulk media systems can be used for stand-alone treatment or in conjunction with the SES320 conditioning system to regenerate badly degraded ISO class III insulating fluids and with multiple passes, "desludge" badly contaminated transformers. The SES522 systems are available in three tower sizes as well as in dual and single tower configurations.



■ Fullers Earth ■ Activated Alumina

Approximate quantities of adsorbent material required for desired reduction in neutralization number of oil when using batch method of reclamation.

SPECIFICATIONS

Tower Capacity	500 lbs
Tower Quantity	Double or Single
Max Flow Rate	25 GPM / 95 LPM
Optimum Oil Viscosity	40 SSU
Pressure Drop (@ 40 SSU @ Max Flow Rate)	20 PSI

SPENT MEDIA EXTRACTION

Tilt for Media Extraction	Hydraulic Assistance
Vacuum Assisted New Media Fill	High Speed
Vacuum Source	Optional
Spent Media Oil Blow Down Tank	Provided
Air Compressor	Optional

CONSTRUCTION

Skid Mounted	Yes
Max Vessel Pressure Rating	100 lbf/in ²
Socket Weld Isolation Valves	Provided

INSULATING OIL RESTORED PROPERTIES

- Total Acid Number (TAN)
- Negative Neutralization Value
- Negative Interfacial Tension (IFT)
- Color
- Dissipation Factor
- Eliminates Sludge and Oxidation Byproducts
- Oxidation Stability *

*** Note:** Polar additives, such as oxidation inhibitors, can be removed during adsorbent treatment processing. Additive restoration requires an optional additive mixing and injection system.



FLOW OPTIONS

(DUAL PROCESSING TOWERS)

Either Tower	Yes
Parallel through Both Towers	Yes
Series through Both Towers	Yes

After Treatment

HOW TO ORDER SES522 SERIES

Construct a custom model number by placing desired options into the corresponding fields as shown in the example below.

[1] TOWER SIZE	
250	250 gallon processing tower(s)
500	500 gallon processing tower(s)
800	800 gallon processing tower(s)

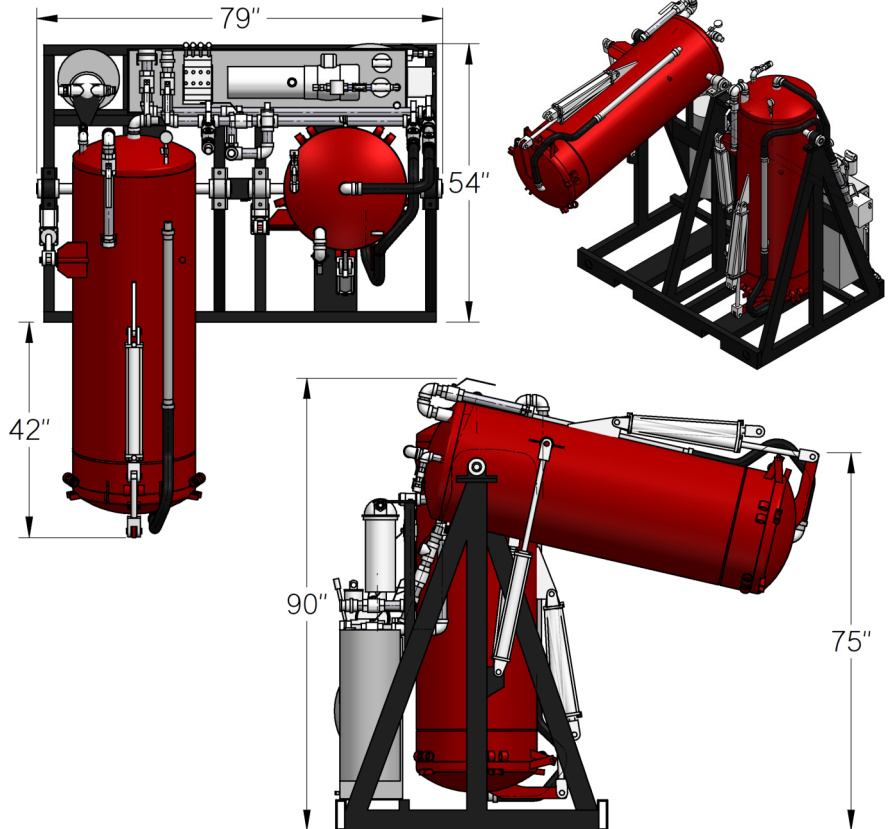
[2] TOWER QUANTITY	
S	single tower configuration
D	dual tower configuration

[3+] ADDITIONAL OPTIONS	
FVS	Media Fill Vacuum Source
OBC	Oil Blowdown Air Compressor
IIS	Inhibitor Injection System
CSO	Circulation System *
HSO	Heating System *
PAU	Process Automation Upgrade*
SRM	Manual Storage Hose Reels
LRM	Manual Live Hose Reels
HAA	3/4" x 25' Oil Hose Assembly 250 500 800
HAB	1" x 25' Oil Hose Assembly
HAC	1 1/2" x 25' Oil Hose Assembly 250 500 800
HAD	2" x 25' Oil Hose Assembly 250 500 800

*** Contact SESCO for Specifications**

SERIES	BOX [1]	BOX [3] 1 st Option
SES522	-500 D-	FVS - CSO

BOX [2]	BOX [4] 2 nd Option



WEIGHT

Dry	≈ 3450 lbs 1565 kg
w/ Earth	≈ 4450 lbs 2018 kg
w/ Earth & Oil	≈ 6672 lbs 3026 kg

CONNECTIONS

Oil Inlet	1.5" FNPT
Oil Discharge	1.5" FNPT
Media Fill Vacuum	1.5" FCAM
Oil Tank Drain	1" FNPT

UTILITY REQUIREMENTS

Power	480V/240V/3PH/60Hz
Air	10 CFM @ 75 PSI MIN
Vacuum	20 CFM @ 22 INHG

DIMENSIONS

Width	79 in 201 cm
Depth	54 in 137 cm
Height	90 in 229 cm



(Optional) Gooseneck Trailer Installation



- 16,000 GVWR
- Adjustable Ball or Pintle Hitch
- Dual 8k Axles
- Electric Brakes
- AL Sheet & Post Sidewalls
- White Plywood Wall Liner
- Steel Tread Plate Floor
- Seamless Aluminum Roof
- Double Swing Rear Doors
- Curbside Entry Door
- Gooseneck Storage Access Door
- Heavy Duty Door Cam Locks
- Stone Guard
- Two Speed Tongue Jacks
- Corner Stabilizing Jacks
- Spare Tire With Holder
- Ample Media Storage Space