



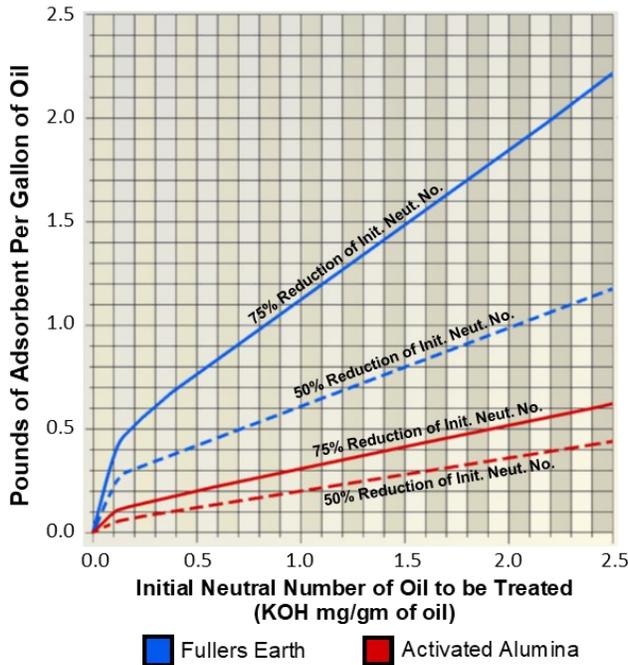
# ADSORBENT TREATMENT SYSTEMS

FULLERS EARTH **SES522 - 800**



**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.



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

## 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.*



SES522-800D—SIDE SWING VERSION

### SPECIFICATIONS

Tower Capacity	800 lbs
Tower Quantity	Double or Single
Max Flow Rate	35 GPM / 133 LPM
Optimum Oil Viscosity	40 SSU
Pressure Drop (@ 40 SSU @ Max Flow Rate)	20 PSI

### CONSTRUCTION

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

### FLOW OPTIONS (DUAL TOWERS)

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

### 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



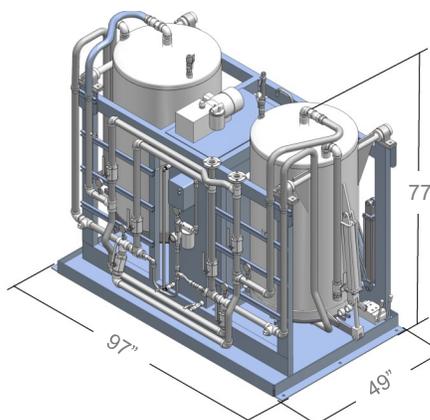
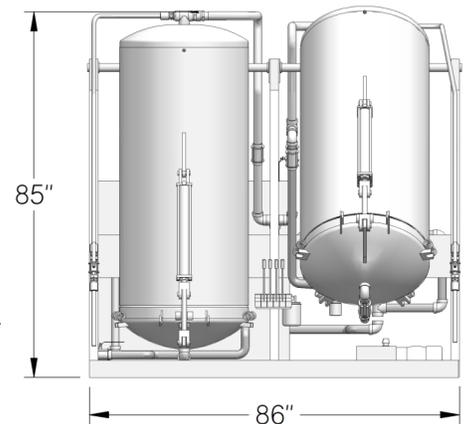
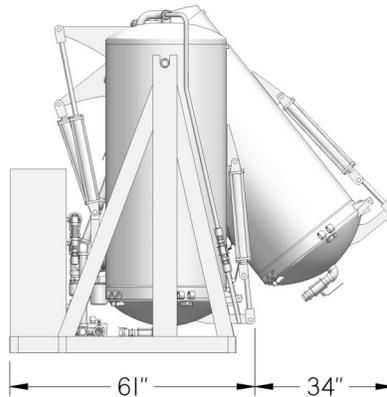
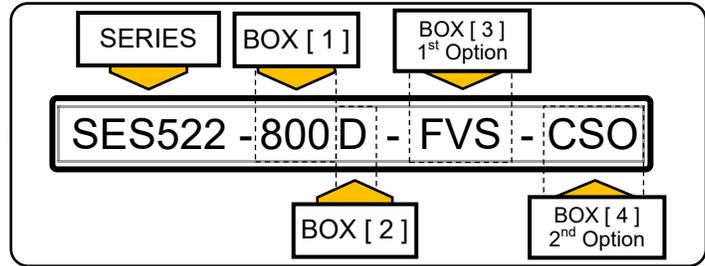
**After Treatment**

# HOW TO ORDER SES522-800

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

[ 1 ] TOWER SIZE	
800	800 Gallon Processing Tower(s)
[ 2 ] TOWER QUANTITY	
S	Single Tower Configuration
D	Dual Tower Configuration
[ 3+ ] ADDITIONAL OPTIONS	
SSW	Side Swing
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
HAB	1" x 25' Oil Hose Assembly
HAC	1 1/2" x 25' Oil Hose Assembly
HAD	2" x 25' Oil Hose Assembly
TRL	Trailer Mounted*

\* Contact SESCO for Specifications



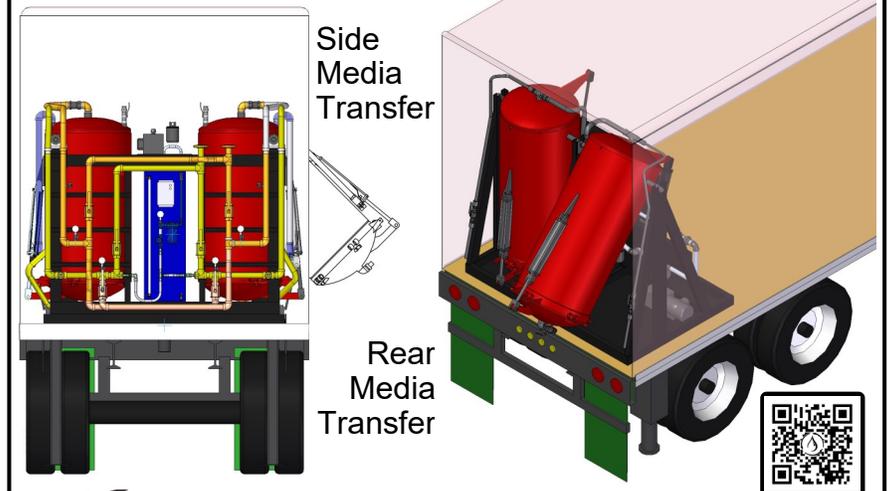
UTILITY REQUIREMENTS	
Power	480V/240V/3PH/60Hz
Air	10 CFM @ 75 PSI MIN
Vacuum	20 CFM @ 22 INHG

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

PHYSICAL DATA (SIDE MEDIA TRANSFER)	
Width	97 in   246 cm
Depth	49 in   124 cm
Height	77 in   196 cm
Weight (Dry)	4650 lbs   2109 kg
Weight w/ Earth	6250 lbs   2835 kg
Weight w/ Earth & Oil	9200 lbs   4173 kg

PHYSICAL DATA (REAR MEDIA TRANSFER)	
Width	86 in   218 cm
Depth	61 in   155 cm
Height	85 in   216 cm
Weight (Dry)	4650 lbs   2109 kg
Weight w/ Earth	6250 lbs   2835 kg
Weight w/ Earth & Oil	9200 lbs   4173 kg

## (Optional) Trailer Installation



Contact SESCO for more information on stand alone trailer mounting and SES320 Oil Processor integration options