

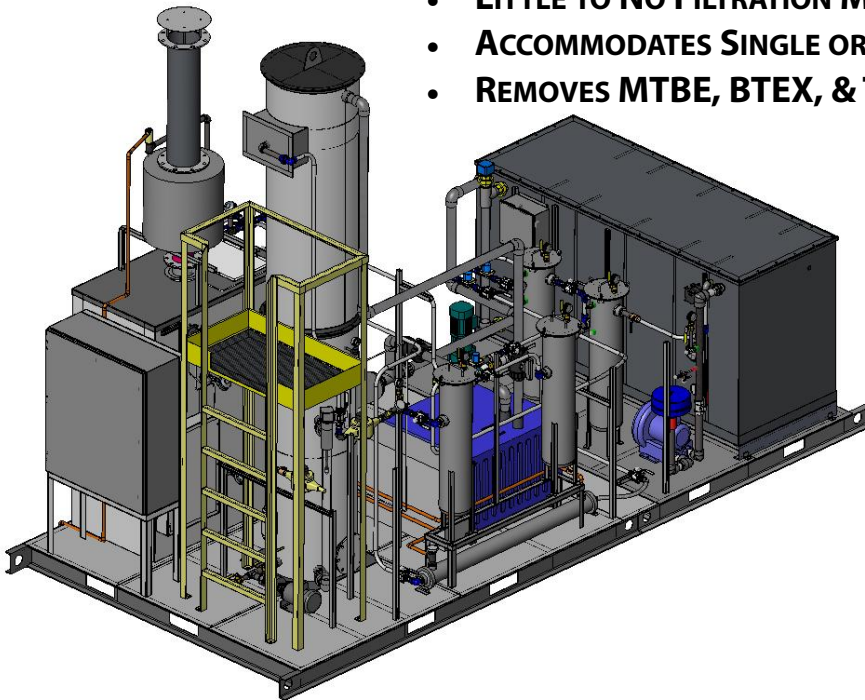


LSTE-10 WATER TREATMENT SYSTEM

LSTE "Plug & Play Platform"

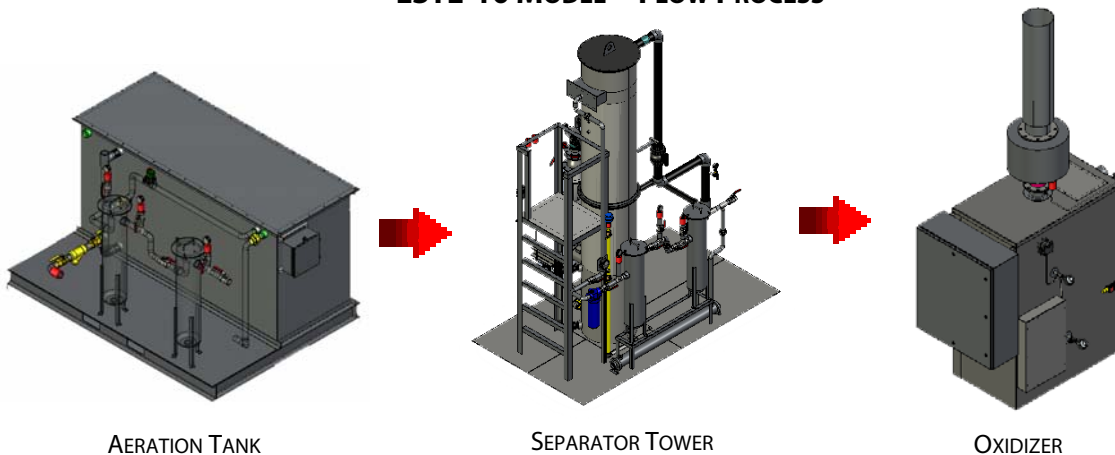
The Liquid Separation Technologies and Equipment, LLC (LSTE) patented and patent pending technology removes groundwater and soil vapor contamination in an improved, aggressive, cost effective manner for the environmental remediation industry. The LSTE removes Benzene, Toluene, Ethyl Benzene, Xylene, (these four compounds are commonly referred to as BTEX); Methyl-Tertiary Butyl-Ether (MTBE); Trichloroethene (TCE); and Perchloroethene (PCE); and Chlorinated Hydrocarbons. The LSTE technology is a viable means for just about any required liquid separation application that has a need to remove constituents from a water source.

- **SIGNIFICANTLY REDUCED OPERATING COSTS**
- **UNPARALLELED EQUIPMENT RUNTIME & DURABILITY**
- **LITTLE TO NO FILTRATION MEDIA OR CHEMICALS USED**
- **ACCOMMODATES SINGLE OR DUAL PHASE APPLICATIONS**
- **REMOVES MTBE, BTEX, & TPHG & CHLORINATED HYDROCARBONS**



LSTE is dedicated to developing technical solutions that offer safe, cost effective results, while meeting the challenges of ever changing regulatory requirements. LSTE patented and patent pending designs mechanically separate various compounds from water utilizing each contaminant's unique chemical and physical properties. The technology can be configured and equipped for multiple sources, as a single phase application for liquids or vapors, or in a dual phase application.

LSTE-10 MODEL—FLOW PROCESS



For more information, please contact our Sales Department at 800-808-9155

LIQUID SEPARATION TECHNOLOGIES & EQUIPMENT, LLC

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www.LST-Equip.com



LSTE-10 WATER TREATMENT SYSTEM

Aeration Skid Major Components

Aeration Tank w/ Cover, Stainless Steel
Liquid Filter (2), Bag/Cartridge
Aeration Blower
Site tube, Liquid Level
Electrical Junction Box

Liquid Transfer Pump
Air Intake Filter
Liquid Level Controls
Common Base Skid
Piping and Valving

Treatment Skid Major Components

Separation Tower, Stainless Steel
Liquid Filter (2), Bag/Cartridge
Liquid Flow Totalizer (Pre-Treatment)
Liquid Flow Totalizer (Post-Treatment)
Heat Exchanger, Air/ Liquid
Heat Exchanger, Liquid/Liquid
SRCO 250E Catalytic Oxidizer

Carrier Air Intake filter
Carrier Air Flow Indicator
Liquid Transfer Pump
Vacuum Pump
Liquid Level Controls
Piping and Valving
Oxidizer Blower

LSTE-10 System Specifications

System Flow Rate:	10 GPM
Aeration Tank Capacity:	500 Gallons
Aeration Blower HP:	1.5
Liquid Transfer Pump HP, Pre-treatment:	1.5
Liquid Transfer Pump HP, Post-Treatment:	3
Vacuum Pump HP:	8.3
SRCO 250E Catalytic Oxidizer Blower HP:	3
Maximum Air Flow Capacity:	300 SCFM
Minimum Air Flow:	100 SCFM
Heat Exchanger Efficiency:	50% Nominal
Catalyst Destruction Efficiency (DRE)	99% Overall TPH
Electric Pre-Heater Capacity:	25 KW
Stack Height of SRCO 250E:	11 Ft. Above Grade
Aeration Skid Foot Print Size:	7' x 8'-6"
Aeration Skid Weight (shipping):	1500 Lbs.
Treatment Skid Foot Print Size:	8'-6" x 11'
Treatment Skid Weight (shipping):	4000 Lbs.
System Electrical Power Requirements:	126 FLA @ 230/3/60

Note: As an option, the LSTE-10 can be constructed as a Dual Phase Extraction System.

Electrical Power Options

460/3/60 Power	63 FLA @ 460/3/60
208/3/60 Power	146 FLA @ 208/3/60
230/1/60 power	225 FLA @ 230/1/60

Most power options require some component changes and/or the addition of phase converters

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