

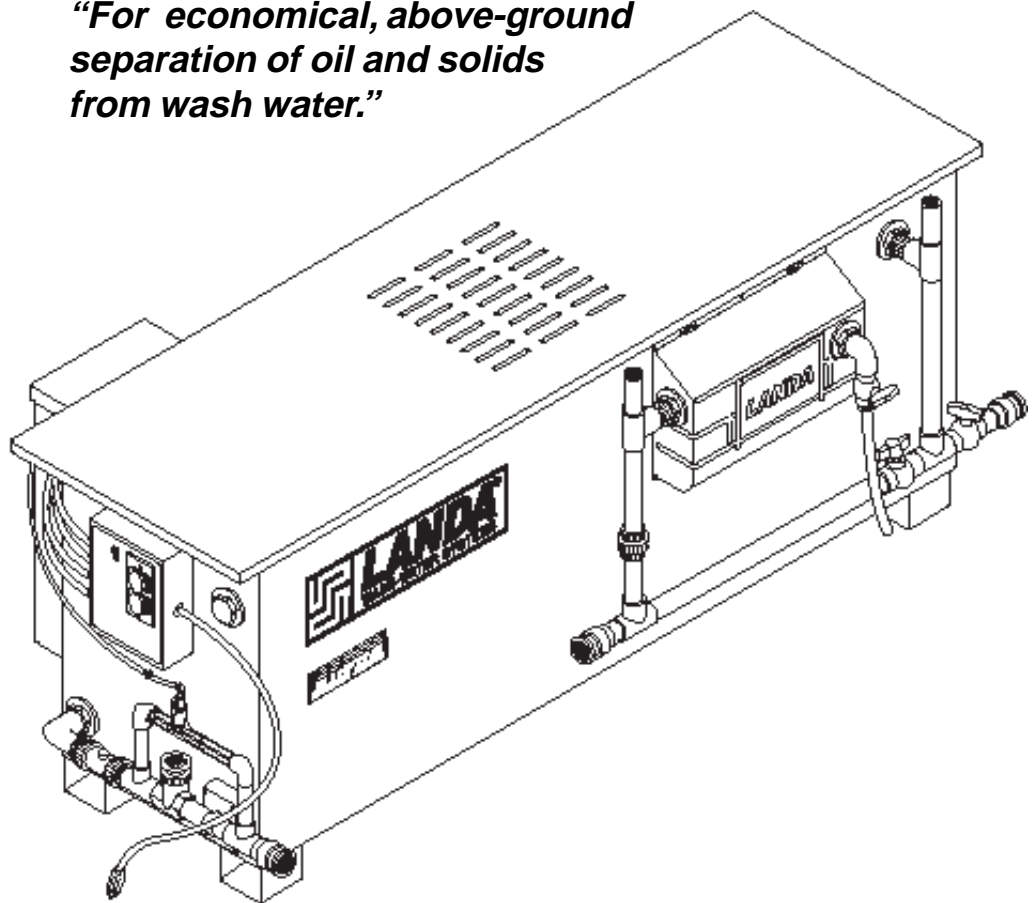
# ALPHA: Above-Ground Oil/Water Separation

## FEATURES / BENEFITS

- Coalescing Plates:** Inclined coalescing plates are the heart—and genius—of the Alpha system. The contaminated water is forced through oleophilic—oil attracting—plates producing a highly effective removal of oil, grease and oil-soaked dirt particles.
- Sump Pump:** Wash water is drawn into the Alpha by an industrial 1/2 HP stainless steel sump pump, with hermetically sealed motor windings, water-lubricated motor, extra long-life bearings, stainless steel (cutter-vane) impeller and reversible/replaceable wear plate. The pump, which is UL and CSA approved, comes with the hose and quick connects, level control switch and check valve. It is immersed in the collection pit inside a plastic container for straining of solids.
- Flow Baffles:** Stainless steel baffles play an important role by creating an up-and-down flow path for the wastewater. The flow path changes seven times to aid in the separation process.
- Oil Surface Skimmer:** The floating oil, along with some water, is continually transferred to a decanter where the oil is trapped and the water is automatically returned to the system.
- Sheen Filter Pack:** Housed in a non-corrosive case, the sheen—or polishing—filter consists of hundreds of oleophilic fibers that trap very small oil particles before they can escape the separator ensuring the highest level of filtration (Alpha-3100 only).
- Ozone Generator:** Timer-controlled, Series 101 Ozonator injects bacteria-and-odor killing ozone into the waste stream using a mixing procedure that ensures up to 99% contact.



*“For economical, above-ground separation of oil and solids from wash water.”*



MODEL	Alpha-500D	Alpha-1500D	Alpha-3100D
Flow Range	0-5 gpm (19.43 Lpm)	0-15 gpm (56.78 Lpm)	0-30 gpm (113.55 Lpm)
Holding Capacity	75 gal. (284 L)	125 gal. (473 L)	250 gal. (945 L)
Electrical	120V / 12 Amps	120V / 12 Amps	120V / 12 Amps
Coalescing Pack	300 sq. ft. (27.81 m <sup>2</sup> )	500 sq. ft. (46.45 m <sup>2</sup> )	1000 sq. ft. (93 m <sup>2</sup> )
Ozonator	Series 101	Series 101	Series 101
Sump Pump	120V / 1/2 hp (.37 kw)	120V / 1/2 hp (.37 kw)	120V / 1/2 hp (.37 kw)
Oil Skimmer	Continual flow	Continual flow	Continual flow
Tank Material	Stainless Steel	Stainless Steel	Stainless Steel
Dimensions (L x W x H)	58" x 30" x 31" 147 cm x 76 cm x 79 cm	80" x 30" x 31" 203 cm x 76 cm x 79 cm	83" x 42" x 32" 211 cm x 107 cm x 81 cm
Dry Weight (approx.)	370 lbs. (168 kg)	605 lbs. (274 kg)	800 lbs. (363 kg)

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