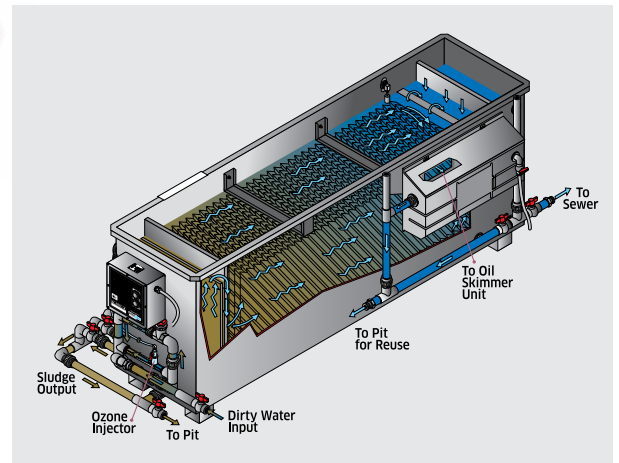


# ALPHA

## HIGH-EFFICIENCY, INDUSTRIAL, ABOVE-GROUND OIL-WATER SEPARATOR

### MAKE REGULATIONS A BREEZE

The ALPHA-1500D is a highly effective above-ground oil/water separator and is designed to discharge wash water at rates of up to 15 GPM. The ALPHA incorporates: a low-profile stainless steel tank; stainless steel baffles positioned for optimizing the water flow; proprietary coalescing "Maze" grids that maximize the oil coalescing process; ultra-violet ozone generator for odor control; automatic oil skimming and decanting; NEMA control center for automatic operation.



## OIL / WATER SEPARATION WASH WATER TREATMENT

Flow Rate up to 15 GPM with 125-gallon stainless steel tank

Ultra-violet ozone generator uses special mixing procedure to maximize bacteria-killing in wash water

Specially designed sheen filter polishes the water before discharge

Automatic oil removal and disposal

Stainless steel baffles direct water flow for optimum treatment and separation

Water-resistant control box for automatic pump operation

Footprint: 80" x 36" x 32"



**UP TO 1000 SQ. FT. OF COALESCING SURFACE AREA**

■ The genius of the system is the “Maze” in the oil-water separator. Up to 1000 sq. ft. of oleophilic, or oil-loving, inclined coalescing polypropylene plates are meshed together forcing the waste stream to slowly change course hundreds of times. This consistent shifting of the flow path causes oil droplets to group and float while solids sink. Held with adjustable straps that can be used to lift the pack out of the stainless steel tank, then loosened to easily separate and clean with a pressure washer.

**OZONE GENERATOR**

■ Flow-controlled Ozone Generator injects bacteria-and-odor-killing ozone using a mixing procedure that ensures up to 99% contact with the waste stream. After being agitated by the injection of ozone, the wastewater flows through the Ozone Treatment Chamber for maximum ozone dwell time.

**CUSTOMIZE AND ACCESSORIZE**

■ Accessories enhance the effectiveness of Water Maze Treatment Systems. Water Maze offers a broad selection of add-ons, accessories, parts, and consumables that support the performance of your water treatment systems.

**DETERGENTS, MEDIA AND CONSUMABLES**

■ Water Maze offers a variety of additives, defoamers and detergents that are compatible with your pressure washer equipment and enhance the effectiveness of pressure washer and water treatment systems. We have a line of quick-release detergents available in 5 and 55 gallons. Filter media such as sand, gravel, and clay, which help provide separation of contaminants in water filtration equipment. We also offer bio-pucks and biostax products for our bioremediation systems, that are designed to alleviate odor in collection pits.

**TECHNICAL DATA**

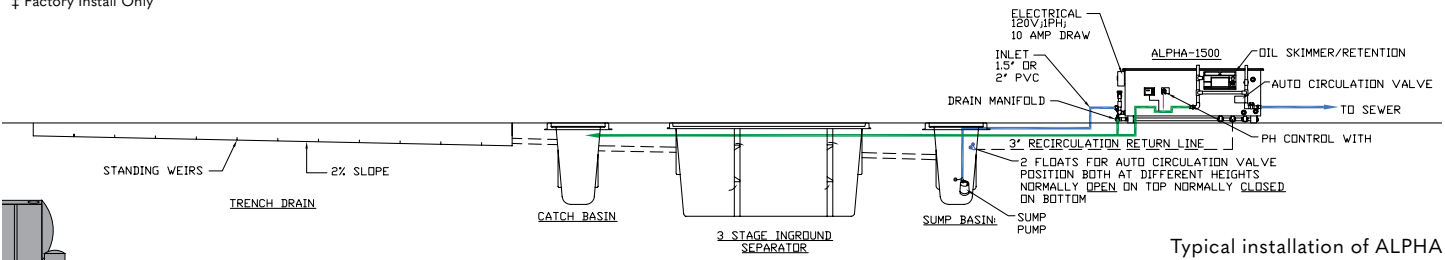
MODEL	PART NO.	DESCRIPTION	COALESCING AREA (FT <sup>2</sup> )	CAPACITY (GAL)	FLOW GPM	VOLTAGE	PHASE	AMPS	EST. SHIP WEIGHT (LBS.)
ALPHA-1500D	1.103-401.0	Above-ground Separator	500	125	1 – 15	120	1	10	545

Dimensions (approximate):  
ALPHA-1500D Physical: 80" x 36" x 32" Shipping: 92" x 46" x 34" Estimated product tare weight: 325 lbs.

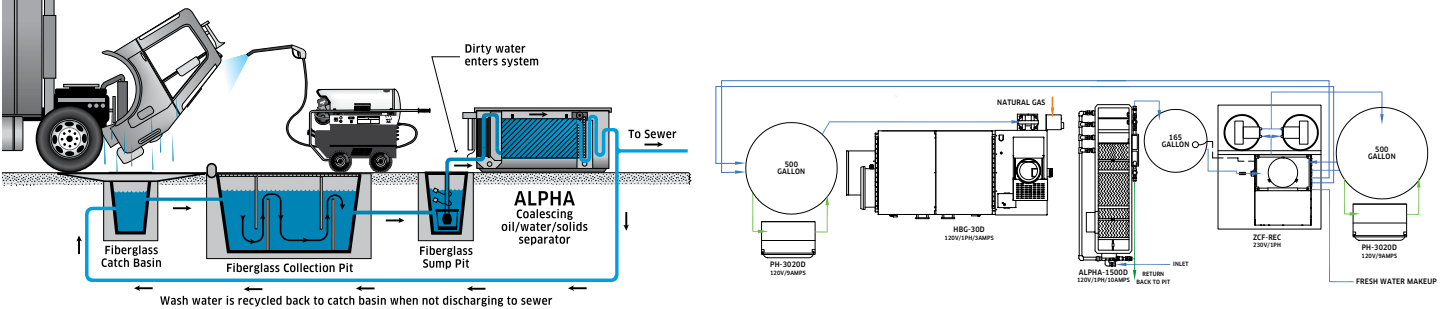
**OPTIONAL ACCESSORIES**

PART NO.	DESCRIPTION
8.903-694.0	Auto-Water Discharge † (automatically switches between recycle and discharge modes)
8.903-647.0	ORP/pH Digital Controller, Model 250, 2 Pumps ‡
8.913-332.0	Lid, Aluminum

† Factory Install Only



Typical installation of ALPHA



The Alpha can work in conjunction with below-ground catch basins and collection pits, as a stand-alone oil-water separator, or coordinated with additional Water Maze equipment like in the above layout for a phosphate recycle system.