



# ASA 900 Clay Treatment of Oil-Laden Wastewater

**Stationary Emulsion-Splitting System**

**Treats Up to 5,700 Gallons Per Day**

**Extra High Quality Water for Recycling**

**Tolerant of Fluctuations in pH and TDS**

## Automated System Uses Clay for Highly Effective Treatment of Wastewater

For extra-tough waste streams, such as those with emulsified oils, the ideal solution is the ASA 900 flocculation system, which breaks emulsions using bentonite clay.

Bentonite clay has proven to be an extremely effective and tolerant method of treating some complex waste streams, especially those laden with oil and grease, that filtration systems can't touch.

### MODEL CONFIGURATIONS

- Discharge to sewer
- Recycle with fresh water rinse
- Recycle without fresh water rinse
- Holding tank for pressure washer

The ASA 900 with its stainless steel cabinet, is easy to install, fully automatic and is especially conducive to applications where there is ongoing variation in water quality, such as fluctuations in pH and TDS (Total Dissolved Solids), which typically poses a challenge for other methods of wastewater treatment.

The ASA 900 system comes with two major components, a flocculation mixing station and a filtration station that uses a cascade design to further clean the water before it is returned for reuse.

The flow path begins in a sludge trap or catch basin where the wash water is captured. A submerged pump sends the water into the ASA 900's reaction tank where bentonite clay is automatically injected. The waste stream is then agitated by a stirring mechanism followed by a short dwell period. The flocculant encapsulates the stable emulsified oil droplets and dirt particles and causes them to sink creating sludge.

The sludge is then removed in the filtration station that uses a cascade design to separate the sludge from the water. The water is reused and the sludge is easily removed for proper disposal.

The ASA 900 is ideal for treating wastewater in vehicle cleaning and other high-pressure washing applications where there are heavy loads of oil and grime in the wastewater.



### ASA 900 Specifications

<b>Flow Rate</b> (Gallons / Hour)	238
<b>Clay Consumption</b> (oz/gal)	.13
<b>Sanitizer Consumption</b> (ml/gal)	1
<b>Electrical</b>	120V
<b>Amps</b>	5
<b>Tank Capacity</b> (Gallons)	66
<b>Dimensions</b> (LxWxH)	55" x 63" x 30"
<b>Net Weight</b> (lbs)	419
<b>Order Number</b>	1.909-695

**Clay Media**  
Water Maze offers a variety of bentonite clay media for use in the ASA 900 systems, including BC-77, FC-77 and OC-77.

### DISTRIBUTED BY

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