Unique Cone-Shaped Design: One of the “secrets” of this system is in how effectively it slows the flow of the water thus enhancing the settling of solids. The cone-shaped design forces the water to the edges of the tank creating the effect of transferring water from a 1½-inch pipe to a 4-ft. pipe. The drop in velocity is dramatic!

Ten Coalescing Cones: Cone-shaped coalescing plates, of oil-loving polyethylene, provide several benefits: (1) 340 sq. ft. of oil-coalescing surface area (most clarifiers have none); (2) Cones are angled at 55° for optimum oil-water-solids separation (Stokes’ Law); and (3) Forces water flow to slow even more, which enhances the separation process and prevents channeling.

Filter Pac: Additional filters, for producing recyclable water, may include: (1) 330 lbs. of media; (2) 200-400 sq. ft. of cartridge filters (5-20 micron); (3) 300-450 lbs. of virgin activated carbon for removal of hydrocarbons.

Storage Tanks: 65-gallon corrosion-resistant polyethylene tanks are used for storing of clarified and filtered water.

Series 400 Ozonator and Pump Assembly: Top-of-the-line, timer-controlled ozonator injects bacteria- and-odor-killing ozone into waste stream using a mixing procedure that ensures up to 99% contact—far more effective than bubbling ozone up into a tank of water.

Chemical-Resistant Tank: 600-gallon, extra-strength, polyethylene tank is resistant to ultraviolet light, corrosion and chemicals— unlike clarifiers with steel tanks.

Steep Pitch: The steep 55° pitch of the cone bottom causes solids to naturally funnel to the discharge valve for easy disposal of the sludge and debris.

Sludge Disposal System: Sludge drops into a porous bag supported by a stainless steel separation strainer. Water drains out of the bag and into the black water collection tub before returning to the collection pit.
### CLARIFIER SPECIFICATIONS

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>MAXIMUM FLOW</strong></td>
<td>30 gpm (113 lpm)</td>
<td>30 gpm (113 lpm)</td>
<td>15 gpm (57 lpm)</td>
<td>30 gpm (113 lpm)</td>
</tr>
<tr>
<td><strong>OIL/WATER SEPARATOR CAPACITY</strong></td>
<td>600 gal (2271 liters)</td>
<td>600 gal (2271 liters)</td>
<td>600 gal (2271 liters)</td>
<td>600 gal (2271 liters)</td>
</tr>
<tr>
<td><strong>SOLIDS SEPARATION CHAMBER</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>ELECTRICAL</strong></td>
<td>230V 1ph, 4.6 Amps, 460V 3ph, 3.0 Amps</td>
<td>120V 1ph, 20 Amps</td>
<td>230V 1ph, 15 Amps, 460V 3ph, 8 Amps</td>
<td>230V 1ph, 22 Amps, 460V 3ph, 8 Amps</td>
</tr>
<tr>
<td><strong>SUMP PUMP SUBMERSIBLE</strong></td>
<td>1/2 hp (in 165 gal tank)</td>
<td>1/2 hp</td>
<td>1/2 hp</td>
<td>1/2 hp</td>
</tr>
<tr>
<td><strong>TRANSFER PUMP CENTRIFUGAL</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>1/2 hp</td>
<td>2 hp</td>
</tr>
<tr>
<td><strong>OIL SKIMMER</strong></td>
<td>Yes (w/o sep. bucket)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>OZONE GENERATOR</strong></td>
<td>Series 400</td>
<td>Series 400</td>
<td>Series 400</td>
<td>Series 400</td>
</tr>
<tr>
<td><strong>COALESCING PACK</strong></td>
<td>68 sq ft (6.3 m²)</td>
<td>340 sq ft (31.6 m²)</td>
<td>340 sq ft (31.6 m²)</td>
<td>340 sq ft (31.6 m²)</td>
</tr>
<tr>
<td><strong>CLARIFIED HOLDING TANK</strong></td>
<td>165 gal (625 liters)</td>
<td>N/A</td>
<td>65 gal (246 liters)</td>
<td>65 gal (246 liters)</td>
</tr>
<tr>
<td><strong>FILTERED WATER HOLDING TANK</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>optional</td>
<td>optional</td>
</tr>
<tr>
<td><strong>ELECTRICAL PANEL</strong></td>
<td>N/A</td>
<td>Nema 4</td>
<td>Nema 4</td>
<td>Nema 4</td>
</tr>
<tr>
<td><strong>DIMENSIONS L/W/H</strong></td>
<td>60”/83”/106” (152cm/211cm/269cm)</td>
<td>60”/61”/46” (155cm/155cm/117cm)</td>
<td>60”/61”/46” (155cm/155cm/117cm)</td>
<td>60”/61”/46” (155cm/155cm/117cm)</td>
</tr>
<tr>
<td><strong>SHIPPING WEIGHT (approx)</strong></td>
<td>825 lbs (374 kg)</td>
<td>835 lbs (379 kg)</td>
<td>975 lbs (442 kg)</td>
<td>975 lbs (442 kg)</td>
</tr>
</tbody>
</table>

*Note: We are constantly improving and updating our products. Consequently, pictures, features and specifications in this brochure may differ slightly from current models.*

### FILTER PACS: A SIMPLE WAY TO ADD AND UPGRADE

**WATER MAZE**

Filter Pacs offer a wide range of above-ground options for meeting the environmental needs of most wash-water applications.

Filter Pacs can be mixed-and-matched with Clarifiers to convert them into recycling systems and enhance water clarity.

### NEW ECONOMICAL CL-304 INCLUDES FILTER PAC

The **WATER MAZE CL-304** is a complete wash-water recycling system on a compact skid frame. It is ETL certified to UL standards for safe and reliable service.

**WATER MAZE CL-304** includes the following features:

- **MAXIMUM FLOW**: 5 gpm (19 lpm)
- **SEPARATOR CAPACITY**: 300 gal (1136 liters)
- **SOLIDS SEPARATION CHAMBER**: Yes
- **ELECTRICAL**: 230V 1ph, 15A; 230V 3ph, 5.9/2.8 Amps
- **SUMP PUMP SUBMERSIBLE**: 1/3 hp
- **TRANSFER PUMP CENTRIFUGAL**: 1/2 hp
- **COALESCING PACK**: 94 sq ft (8.7 m²)
- **FILTERED WATER HOLDING TANK**: 40 gal (151 liters)
- **OIL SKIMMER**: Yes
- **ORP/pH CONTROLLER**: optional
- **ELECTRICAL PANEL**: Nema 4
- **FILTER PUMP**: 1/3 hp
- **MEDIA FILTER**: 330 lbs (150 kg)
- **CARTRIDGE FILTER**: 20 micron, 100 sq ft (3.3 m²)
- **DIMENSIONS L/W/H**: 72”/72”/90” (183cm/183cm/90cm)
- **SHIPPING WEIGHT (approx)**: 1545 lbs (701 kg)

* Dry carbon weight is approximately 50% of degassed weight.

**FILTER PACS: A SIMPLE WAY TO ADD AND UPGRADE**

- **MAXIMUM FLOW**: 30 gpm (113 lpm)
- **ELECTRICAL**: 120/230V 1ph, 8.8/4.4 Amps; 230/460V 3ph, 5.6/2.8 Amps
- **FILTER PUMP**: 1/3 hp
- **MEDIA FILTER**: 330 lbs (150 kg)
- **CARTRIDGE FILTER**: 20 micron
- **DIMENSIONS L/W/H**: 72”/72”/90” (183cm/183cm/90cm)
- **SHIPPING WEIGHT (approx)**: 1545 lbs (701 kg)

* Dry carbon weight is approximately 50% of degassed weight.*