The collected wastewater is stored in a holding tank (optional) after free oils and heavy solids have been removed. The water is then automatically transferred to the ESP System processing tank. The Water is pre-mixed with the QF Series Floc which is added automatically. The programmed mixing cycle creates a rapid floc which separates and then encapsulates the contaminants removing them from the water. The encapsulated material is then allowed to settle, separating the solids from the water. The now filterable sludge is dispensed to a filter belt for dewatering. The filter belt is automatically advanced when the filter becomes clogged. The filtered water is collected in a tray and directed to discharge or collection. The collected and dried sludge in many cases meets disposal standards for non-hazardous landfills and T.C.L.P. tests. It is recommended that EPA toxicity tests be conducted to determine the leachability of individual filter cakes.

Applications

The ESP Systems are designed to treat or recycle waste streams from industries such as:

- Latex manufacturing plants
- Paint and die manufacturers
- Carpet manufacturing plants
- Glue manufacturing plants
- Texture coatings manufacturers
- Metal working coolants
- Parts washing waste
- Oil water emulsions
- Silk screen painting
- Creosote plants
- Dioxin
- Grinding fluids
- Detergent emulsions
- Paint spray booths
- Floor scrubber waste
- Carpet cleaning waste

Advantages

- **RGF** is the Recognized Leader with thousands of systems installed worldwide since 1985.
- Multiple safety system controls.
- Handles a wide range of waste
- Waste Stream Specific Chemical encapsulation agents.
- Free Water and Operating Cost Analysis
- State-of-the-art controls
- Auto self-cleaning Process Tank
- UL-508A Panel Shop Certified
- Best warranty in the industry
- Low operating cost
- Low Maintenance.
- Fully automatic, easy-to-use, versatile
- Typical filter cake meets T.C.L.P. standards
- Computerized process and safety system
## ESP SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ESP-250</th>
<th>ESP-400</th>
<th>ESP-600</th>
</tr>
</thead>
<tbody>
<tr>
<td>TREATMENT CAPACITY</td>
<td>250</td>
<td>400</td>
<td>600</td>
</tr>
<tr>
<td>TREATMENT TYPE</td>
<td>BATCH</td>
<td>BATCH</td>
<td>BATCH</td>
</tr>
<tr>
<td>AIR SUPPLY</td>
<td>100 psi @ 20 SCFM</td>
<td>100 psi @ 35 SCFM</td>
<td>100 psi @ 35 SCFM</td>
</tr>
<tr>
<td>PROCESS CONTROL</td>
<td>AUTOMATIC</td>
<td>AUTOMATIC</td>
<td>AUTOMATIC</td>
</tr>
<tr>
<td>FLOCCULANT</td>
<td>QF SERIES</td>
<td>QF SERIES</td>
<td>QF SERIES</td>
</tr>
<tr>
<td>ELECTRICAL</td>
<td>220 VOLT 1 PHASE 20 A</td>
<td>220 VOLT 1 PHASE 25 A</td>
<td>220 VOLT 1 PHASE 30 A</td>
</tr>
<tr>
<td>SUMP PUMP</td>
<td>1/2 HP 115 V 7.2 A</td>
<td>1/2 HP 115 V 7.2 A</td>
<td>1/2 HP 115 V 7.2 A</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>8'H X 7'W X 5'D</td>
<td>12'H X 8'W X 7'D</td>
<td>12'H X 8'W X 7'D</td>
</tr>
<tr>
<td>FILTER PAPER</td>
<td>50 MICRON</td>
<td>50 MICRON</td>
<td>50 MICRON</td>
</tr>
</tbody>
</table>

### Examples of Treatments
- Metals
- Emulsified oils
- Ink & paint waste