

# Pan America Environmental

## Oil Water Separator Options

Pan America Environmental oil water separators can be provided with standard options as described here. Many custom modifications and packaged systems can also be provided per your project requirements.

| Option                            | Description   |
|-----------------------------------|---|
| <b>Influent Feed System</b>       | Air operated, diaphragm pump with air controls or progressive cavity pump, sump level switches & Nema 4 control panel, base mounted, 115/230/460V power offered. Electric diaphragm pumps available.                  |
| <b>Effluent Pumpout</b>           | Centrifugal pump with level switches & Nema 4 control panel, base mounted, 115/230/460V power offered. OS Effluent chamber must be expanded to accommodate pumpout or provision of an external pumpout tank.          |
| <b>Sludge Pumpout System</b>      | Air operated, diaphragm pump with air controls & Nema 4 control panel, auto on/off timer, base mounted, 115V/1ph/60Hz power req'd. Electric pumps available. 1 - 100 GPM  |
| <b>Oil Pumpout System</b>         | Air operated, diaphragm pump with air controls, level switches & Nema 4 control panel, base mounted, 115V/1ph/60Hz power req'd. Electric gear or progressive pump systems available. 1 - 100 GPM (larger if required) |
| <b>Freeze Protection</b>          | Immersion heaters mounted through tank wall. Each heater has an independent thermocouple well, 0-100 deg. F thermostat and Nema 1 (or optional Nema 4) housing. 230/460V/3ph/60Hz power req'd.                        |
| <b>Retpak Secondary Coalescer</b> | High surface area, reticulated, secondary coalescing media for polishing flow after standard Flopak media.  |
| <b>Oil Sight Glass</b>            | Two automatic, brass valves with tempered sight glass and protection rods mounted in oil reservoir. If glass is broken check ball stops outflow from reservoir.   |
| <b>Hold Down Brackets</b>         | Fiberglass L-brackets bonded to tank for bolt down to installation surface (OS Fiberglass tanks only).  |

## **Elevation Stand**

Epoxy coated steel stand to elevate tank to desired level. Standard deck height is 30". Full platforms & walkways with ladders or stairways can be designed where required or desired.

## **High Temperature Design**

Flopak coalescing media and any piping is constructed of a combination of CPVC &/or polypropylene (or other materials) for temperature resistance up to 200 deg. F.

## **Alternate Media Construction**

Standard Flopak media is PVC. HPVC, polypropylene, stainless & galvanized media is available. Contact PAE to determine proper media type for your application. Media plate spacing is available in 1/2", 3/4" & 1.2".

## **External Storage/ Feed Tanks**

A wide variety of tank volumes can be supplied for your water, product and sludge holding needs. Flat bottom and cone bottom designs constructed in polyethylene, fiberglass, steel & stainless steel can be provided.

## **Effluent Filter Systems**

Solids filter systems can be provided to remove filterable solids from the separator effluent. Contact Pan America to determine proper filtration needs for your application.

## **AQAM Filter Systems**

AQAM (Alkyl Quaternary Ammonium Montmorillonite) filter systems can be provided to remove trace hydrocarbons, sheens, DNAPLs, slightly soluble chlorinated hydrocarbons and high molecular weight organics from the separator effluent. Contact Pan America to determine proper filtration needs for your application.

## **Emulsion Cracking Systems**

Emulsion cracking systems can be provided to remove oil-in-water emulsions prior to the separator. Contact Pan America to determine proper system needs for your application.

## **pH Adjustment Systems**

pH adjustment systems can be provided to maintain pH levels prior to or after the separator. Contact Pan America to determine proper system needs for your application.

## **Carbon Filtration Systems**

GAC carbon filters can be provided to remove contaminants after the separator. Contact Pan America to determine proper system needs for your application.