

# COS Series

## Concrete Oil/Water Separators

Pan America Environmental COS Series, concrete oil/water separators are a gravity/coalescing design for removal of free and finely dispersed oil droplets from various wastestreams. The use of our proprietary Flopak, cross-corrugated, oleophilic, coalescing media provides predictable oil removal through impingement coalescence while allowing solids settling without plugging. Performance: 10mg/L 30 micron free, dispersed and non-emulsified oil droplets. The COS concrete design is provided for new-build or retro-fit projects to provide increased performance in a smaller footprint.

Full, turnkey systems can be provided with many types of options and custom configurations can be provided tailored to the particular project requirements or wastestream needs. Many sizes and designs are offered for flow rates up to 250,000 GPM or greater.

### Features

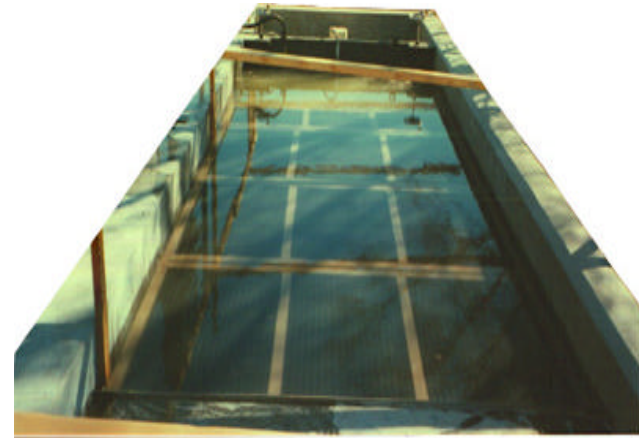
- ◆ Concrete construction
- ◆ Integral oil reservoir
- ◆ Effluent chamber
- ◆ Epoxy coated components
- ◆ Solids V-hopper or flat bottom
- ◆ Adjustable water weir
- ◆ Influent diffuser
- ◆ Installation/design drawings
- ◆ Flopak coalescing media
- ◆ Tank engineering

### Options (partial)

- ◆ Influent/effluent/oil/sludge pumping systems
- ◆ Elevated design
- ◆ Retpak secondary coalescer
- ◆ Hi-temp upgrade
- ◆ Stainless components
- ◆ Covers
- ◆ Walkways
- ◆ Sludge auger

### Applications

- ◆ Oil refineries
- ◆ Compressor condensate
- ◆ Refueling depot runoff
- ◆ Machining coolant oil removal
- ◆ Vehicle washwater treatment
- ◆ Oil spill recovery
- ◆ Bilge/ballast water treatment
- ◆ Stormwater runoff
- ◆ Mobile separation system
- ◆ Power plant water treatment
- ◆ Aircraft wash racks
- ◆ Tank farm tank bottoms
- ◆ R.O. Filter pre-treatment
- ◆ Trench water treatment
- ◆ DAF/clarifier pre-treatment
- ◆ Hydraulic fluid tank dewatering

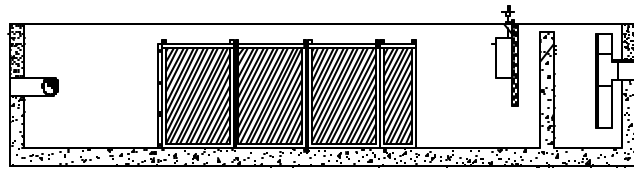


Flow Range to 250,000 GPM

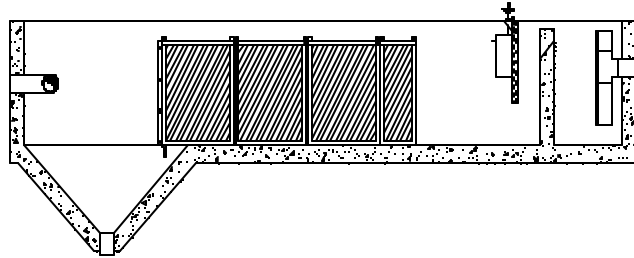


950 N. Rand Rd., Ste 120 Wauconda, IL 60084 USA  
847-487-9166 Fax: 847-487-9218 panam@panamenv.com  
<http://www.panamenv.com>

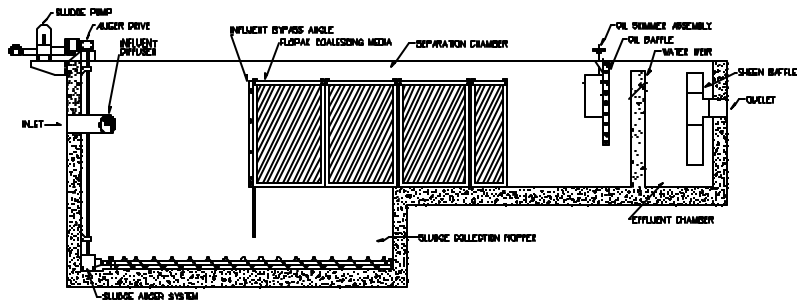
## COS Series Concrete Oil/Water Separators



FLAT BOTTOM DESIGN



HOPPER BOTTOM DESIGN



V-HOPPER DESIGN

Flopak coalescing media is provided in the COS separators to provide high performance separation in new and retro-fit projects.



The tank design can be provided in a variety of configurations to match your application. Contact Pan America Environmental to review your project for sizing and pricing of the right new or retro-fit system.

Information not for construction Design & dimensions may change without notice



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