



Model  
Flopak

# Coalescing Media

**The Flopak, Coalescing Media Systems provide high performance oils and fuels separation in a compact, high surface area design.**

The Flopak coalescing media systems are designed to remove non-emulsified, free & dispersed oils and fuels from water.

Flopak is a standard feature of our high performance oil water separators and are also offered for replacement or retrofitting of existing tanks to improve performance and increase flow rates.

Removal efficiencies have been as low as <1 mg/L down to non-detect.

Typical, regular performance is in the 3-10 mg/L range depending on wastestream characteristics.

Pan America Environmental can provide review of your existing tank to replace existing media or engineer the fitting of Flopak into a tank for the first time via modifications to optimize tank design for the best oil separation environment.

### **Retpak Media**

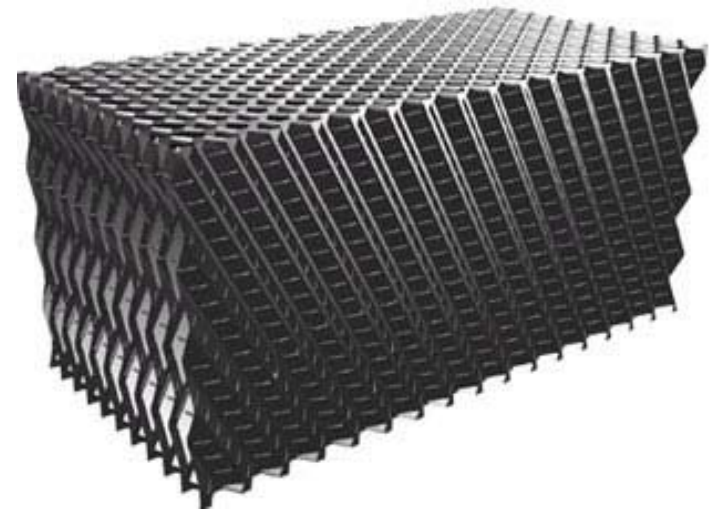
Our Retpak secondary coalescing media can be provided to high-density surface area in a small cubic area to add to your existing media or in conjunction with Flopak to increase small droplet capture.

### **Features Include:**

- ◆ Cross-corrugated surface design
- ◆ High surface area per Ft<sup>3</sup>
- ◆ Long lasting PVC construction
- ◆ Solids settling/clearing design
- ◆ Numerous droplet impact sites
- ◆ Numerous changes of flow direction
- ◆ Space efficient design
- ◆ 60° corrugation angle

### **Options:**

- ◆ Stainless steel (304/316) media frame sets
- ◆ HPVC/polypropylene/stainless media construction
- ◆ Retpak secondary coalescing media



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**Flopak construction** is available in PVC, HPVC, polypropylene, glass-coupled polypropylene and stainless steel. Plate spacing and media dimensions are also variable depending on project requirements. Spacing is available in 1/4", 1/2", 3/4" & 1.2". Stainless media frames are offered to allow you to remove and replace all the media at once.

**Customization & modifications** to fit your project needs are offered to convert existing tanks into our high performance design or new design/build designs tailored to your facility and application. Typical performance is 10 mg/L or less, 30 micron oil droplet.

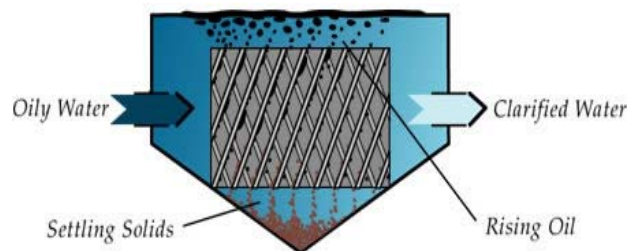


The Flopak media promotes oil & fuel removal by providing a controlled path for the wasteflow. See the *Separation Theory* page (on website) for more information on Flopak media operation & theory.

**Products removed:** motor oils, fuels (vehicle/jet), fuel oils, hydraulic fluids, immiscible machining oils, lube oil, transmission fluid, bunker c, DNAPL, LNAPL, vegetable based oils, crude, air compressor lube & other hydrocarbon based derivatives (BTEX etc..). Model sizing is based on the oil/fuel specific gravity, droplet size removal desired and other parameters of the wastestream.

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Flopak can settle solids loads as well as oils on a limited basis. If solids are unknown or characteristics possibly difficult please contact us to review your application for proper design.



Flopak Media Packs



Retpak Media Pack



2309 N. Ringwood Rd., Ste G  
McHenry, IL 60050 USA  
815.344.2960 Fax: 847.487.9218  
panam@panamenv.com

www.panamenv.com  
www.oil-water-separator.net