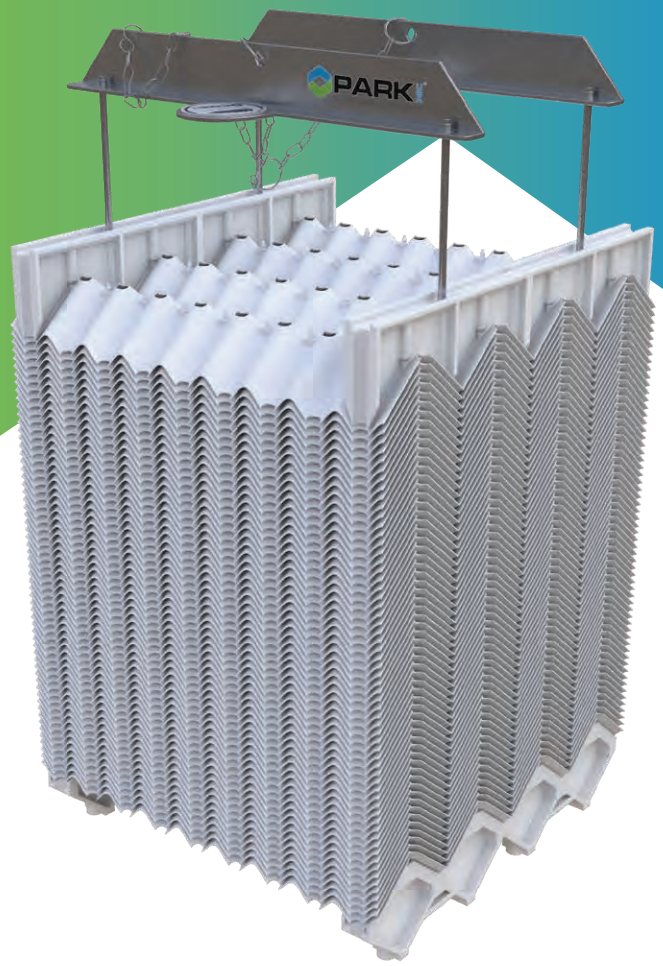
PARK USA
A Northwest Pipe Company

COALESCING MEDIA CASSETTE



Features

- Closely spaced to minimize rise distance required
- Made of oleophilic material which provides years of trouble-free service
- Multiple sizes available
- Made in the USA - CMC are made in America and meet the requirements of the Buy America Act

Coalescing Media Cassette

The Coalescing Media Cassette is a unique design that provides superior performance in environmental clean-up.

The plates are assembled into compact modular packs that are easy to install and are suitable for use in almost any application. The plates and supports are made of an oleophilic material which provides years of trouble-free service. There are no moving parts to fail or require expensive maintenance. The CMC itself is virtually self-cleaning.

ParkUSA's CMC are designed with dedicated oil removal and solids shedding surfaces. They are provided with separate oil and solids exit ports to ensure maximum separation, thereby preventing the remixing of separated oil droplets and solid particles. The plates are specially designed for high efficiency and high flow applications. They are available with either 1/4" or 1/2" nominal spacings.

#BUILDING AMERICA!

WW | Coalescing Media Cassette Standard

LEED® COMPLIANT · NPCA · Steel Tank Institute · ASPE American Society of Plumbing Engineers · ASTM · BMP® BEST MANAGEMENT PRACTICE · IPC® INTERNATIONAL PLUMBING CODE · UPC®

How It Works

Most physical mixtures of oil and water will separate eventually by gravity because oil has a tower specific gravity than water and will float on its surface. The rate at which solid particles fall in liquids is also overned by Stokes' Law.

Stokes' Law may be used to size an empty vessel separator. As the oily water flows horizontally through the separator, oil droplets rise vertically. A droplet is separated when it rises vertically to the surface before its horizontal movement carries it out in the effluent stream. If the droplets are small, or the specific gravity of the oil is close to that of water, this seperation can require a very large vessel.

To request a quote or catalog, visit **request.parkusa.com.**

Maintenance

Because maintenance is very expensive, ParkUSA's CMC are designed to be largely self-cleaning. However, in conditions where large amounts of dirt are found, it may be necessary to access the solids collection area via the riser pipe. The sludge and solids can be removed using a flexible hose coupled to the suction of a pump.

Enhanced Gravity Separation

Droplets entering a separator are in a complex array of sizes and their rise rates vary greatly. The performance calculation is therefore extremely difficult.

Droplets whose specific gravity vary will also have different rise rates. However, droplets entering a separator may be assumed to be of the same specific gravity and this factor can be ignored.

The CMC substantially reduce the amount of time required for separation. As a result, separator sizes can be greatly reduced because the plates increase droplet size by coalescence, and decrease the distance required for droplet capture.

APPLICATIONS

- Good to use in BMPs
- Municipal
- Commercial
- Industrial
- Medical Facilities