



ABOVE GROUND OIL WATER SEPARATORS 400 GPM - 600 GPM

Problems Solved:

This family of WSI separators is where the Electric Utility industry has "fallen in love" with the WSI design and the superior **Multi-Pack™** coalescer system which is at the heart of its success. Here is a sampling of Electric Utility companies who have turned to WSI to get it right:

- Con Edison
- Florida Power
- Orlando Utility Commission
- Allegheny Energy
- Connectiv
- Calpine Corporation
- Commonwealth Utilities
- Duke Energy
- Reliant Energy
- PSE&G
- NRG Energy
- KeySpan Energy
- New York Power Authority
- Bahamas Electricity Corporation
- Nigeria Integrated Power Project
- General Electric
- PP&L
- PECO



Large project consultants including Siemens, Westinghouse, Bechtel, Fluor, B&W, TIC, Stone & Webster, GE, Kuljian Corp, Sargent & Lundy, Hyundai Engineering, Getty, as well as numerous environmental consultants specializing in wastewater, have embraced the design qualities that lead to consistent effluent compliance and reduced costs over the life-cycle of the unit.

ExxonMobil, Sunoco, DuPont, American Refining Co., Dow chemical, Pratt & Whitney, Continental Airlines, UPS, Arco, Reichhold Chemicals, Laidlaw Transit, Alcoa Aluminum, Terra Nitrogen, Waste Management and Coca-Cola are some of the companies who have asked us to provide our oil/water/solids separator solutions to solve their problems. Often times the WSI unit replaced other systems or units that were installed and were not functioning well.

Water Services, Inc.

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Multi-Pack Fact:

Removable-Plate Feature

Each plate within the coalescer is completely removable from the coalescer frame and the plate spacing is therefore able to be adjusted to multiple plate gap settings. This patented feature lets the operator field adjust the coalescer to obtain optimal results. If greater oil removal is required, plates can be added for increased efficiency. If solids loading increases, plates can be removed to reduce fouling potential.

With the **Multi-Pack** coalescer, the end user is able to meet or exceed discharge regulations now, and also in the future. As discharge limitations become more stringent, the standard plate spacing of the **Multi-Pack** coalescer can be decreased by adding more plates without any field modifications. This allows small micron droplets of oil to be removed, thereby, increasing oil removal capability. By adding plates, instead of entire units, the end user's future capital costs are drastically reduced.

The **Multi-Pack** design allows flexibility that is impossible to obtain with other coalescer designs. For example, the plate gaps within the coalescer can be varied in order to fine-tune the separator to maximize efficiency. That is, it is possible to keep tighter plate gaps toward to top of the coalescer pack, where there are typically fewer solids present, and large plate gaps toward the bottom where solids concentrations are frequently higher.



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