

MONROE Compact Clarifier

- Non-clogging plate design
- Simultaneously removes both floatable and settleable contaminants
- Requires less space than typical clarifiers
- Filter media not required
- Minimum maintenance
- Capacities from 1 to 2,000 GPM

Customized to Meet Your Needs

Monroe Compact Clarifiers are specially sized for each application. Monroe Environmental will evaluate your fluid effluent and determine design parameters for your particular installation. Your Compact Clarifier will then be constructed to provide the most economical and efficient liquid clarification to meet your needs.

Broad Range of Industrial Capabilities

Oil Recovery – Separated oils, process fluids and other floatable materials are guided to an accumulation area for easy removal and reclamation. An adjustable overflow weir or a Monroe Oil Recovery Unit



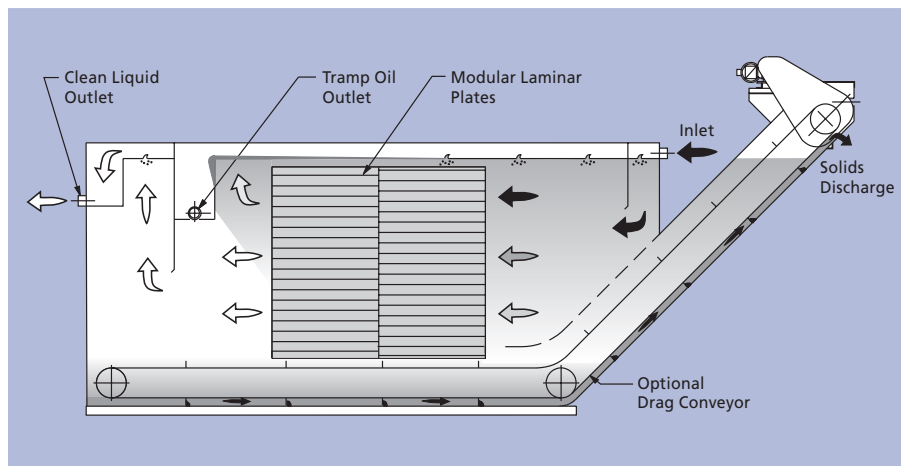
can be included to remove these elements.

Separated Solids Removal – Where the dirt load is heavy, a drag conveyor may be included to provide continuous removal of settled solids from the bottom of the clarifier.

Cone bottom construction is sometimes recommended for non-draggable solids.

Ideally Suited for –

- Chemical processing
- Coolant systems
- Food processing
- Foundry operations
- Glass plant operations
- Industrial waste management
- Metal working
- Oil refining
- Paper making
- Plastic manufacturing
- Plating and coating processes
- Steel processing
- Storm water systems



Chemical Treatment – The Monroe Compact Clarifier can include a pre-treatment process as an integral part of the basic clarifier. This aids in the separation of dissolved solids, very fine particles and emulsified oils that tend to remain suspended in water or process fluids. A chemical treatment tank and/or flocculation chamber can be added to allow

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pH control and mixing of emulsion breakers and coagulants into the influent before the laminar flow process

Laminar Flow Principle

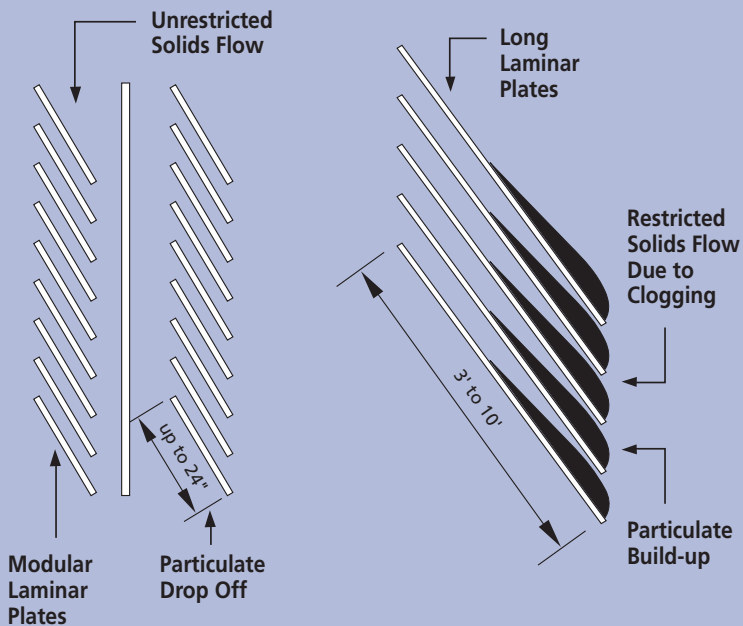
The unique design of the Monroe Compact Clarifier creates laminar

flow conditions and allows gravitational forces to separate the lighter and heavier elements from the fluid.

Normally, industrial laminar flow separation requires settling areas beyond practical space availability in typical manufacturing plants.

Monroe's design engineers, however, have eliminated this problem through the unique capabilities of the Compact Clarifier.

The Monroe Advantage



The Monroe Compact Clarifier

Separated particles are required to move only a few inches before reaching an uninterrupted and protected free fall or rise to collection areas. Efficiency is increased and build-up of collected particles is prevented.

Typical Separators

Long laminar sections require particles to travel as much as 10 feet before free fall or rise to collection areas, often causing clogging and re-entrainment with other fluid flow currents, reducing separation efficiency.

Special Features

Wide range of construction materials. Mild steel, special coatings, stainless steel, fiberglass, plastics and other materials are available to meet specific needs.

No moving parts in the clarifier section reduces equipment cost and practically eliminates operating cost when compared with a centrifuge separator.

Easily removable laminar plates. The unique, modular design of the Monroe Compact Clarifier allows easy removal of individual laminar plate modules from the clarifier for inspection.

Complete electrical controls to meet customer requirements are available if required.

Many Configurations Available

Monroe Compact Clarifier complete package systems are available including mixers, chemical feed pumps, instrumentation and electrical controls.



**MONROE
ENVIRONMENTAL**

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