

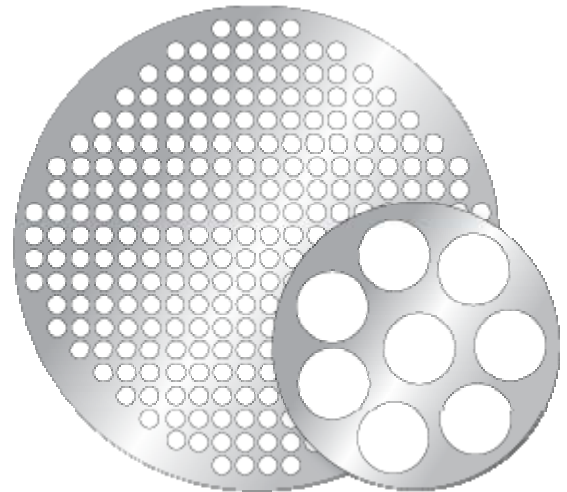
High Capacity Filter & Coalescer Vessels



Rhino Process Equipment offers Chemflo ASME Code Vessels, Sanitary Vessels, and Coalescers Vessels. Products include high flow rate vessels, liquid-liquid coalescers, and electro polished stainless steel filter vessels, and Section X Code Stamped FRP Vessels.

- CF Series Standard Filter Vessels
- HP Series High Purity
- HF Series High Flow Rates
- LC Series For Liquid-Liquid Coalescers
- LG Series For Liquid-Gas Coalescers

HF Filtration Systems



Approximately 280 stringwound cartridges are required to hold the equivalent amount that eight HF660 Depthflo™ pleated cartridge can hold.

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High Capacity Filter & Coalescer Vessels



Chemflo has a line of high flow filter vessels and coalescer vessels. Because of the proprietary design of the HF Duraflo and HF Depthflo™ filter cartridges, vessel sizes are smaller, fewer elements are required, and your cost savings are substantially increased. The HF Duraflo and HF Depthflo™ filter cartridges achieve flow rates up to 300 gpm/1100 lpm in water. You will have up to 30 times fewer filters compared to standard filters, plus you will have the excellent dirt holding capacities and particle removal efficiencies of Chemflo's pleated Duraflo and Depthflo™ filter medias. The benefits to you are: lower initial costs, improved filtration, and decreased total cost.

Smaller Vessels = Capital Savings
Fewer Elements = Operating Savings

Our HF Series filter housings are designed for high flow rates which allows for:

- Lower Maintenance Costs
- Lower Disposal Costs
- Smaller Filter Housings
- Fewer Elements Resulting in Faster Changeouts
- Higher Efficiencies
- Longer Filter Life

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High Capacity Filter & Coalescer Vessels



High Performance Pleated Filters

DURAFLO: Pleated surface filter elements designed for the removal of hard particles with a sharp removal cut off and maximum surface area for best selectivity and life.

DEPTHFLO™: Pleated depth filter elements designed for the removal of gels and deformable particles.

MELTBLOWN: Meltblown Depth Filter element consisting of an array of micro-thin melt blown fibers to create a high degree of internal void volume. Chemflo offers two meltblown elements: Quad Pro™ with a gradient density matrix and the cost efficient MB Pro Coreless.

Absolute-rated Medias are available in:

- **Polypropylene:** 100% thermally-bonded polypropylene for water, membrane pre-filtration, food and beverage, chemicals, and acids
- **Nylon:** Nylon 6 and Nylon 66 for caustics, aromatics, and elevated temperatures
- **Polyester:** For water, hydrocarbons, specific acids and solvents
- **Microfiberglass:** Highest dirt holding for water, hydrocarbons, and certain chemicals. Available with nylon, polyester, or polypropylene support layers and with epoxy or acrylic binders or binder free (in certain micron ratings)
- **Specialty Medias:** Including Nomex® rated up to 400°F and specialty cellulosic blends with epoxy, acrylic, or specialty binders for higher temperatures and amines
- **Coalescer Medias:** Proprietary Nylon, Polyester, and Microfiberglass coalescing medias for chemicals, hydrocarbons, and water

Chemflo's products are tailored for your application, thus, reducing cost and maximizing efficiency.

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High Capacity Filter & Coalescer Vessels



High Capacity Filters - Duraflo

Removing hard particles?

Require high performance?

Need maximum surface area?

Duraflo Series

Filter elements designed for the removal of hard particles with a sharp removal cut off for best selectivity and life.

Chemflo developed the Duraflo series of filter elements for a wide range of applications including:

Hard particles - application examples:

- Metal, ferrous oxide particulate in hydrocarbon applications
- Iron Sulfide
- Sand
- Treated Micro-Organisms

Removal of particles - application examples

- Hydrocarbons, Chemicals, Petrochemicals
- Food, Beverages, Cosmetics, Water Bottlers
- Membrane Pre-filters

Absolute-rated Duraflo Medias are available in:

- Polypropylene "Duraflo"
- Microfiberglass "MG Duraflo"
- Nylon "N66 Duraflo" and "N6 Duraflo"
- Polyester "PE Duraflo"

High Capacity Filters - Depthflo™

Removing soft particles or gels?

Are other cartridges surface blinding?

Depthflo Series

Filter elements designed for the removal of gels and deformable particles.

Chemflo developed the Depthflo series of filter elements for a wide range of applications including:

Hard particles - application examples:

- Hydrocarbons and Asphaltines
- Gels
- Deformable Particles
- Algae

Removal of particles - application examples:

- Hydrocarbons, Chemicals, Petrochemicals
- Rich Amine Systems
- Syrups and Flavorings
- Membrane Pre-filters for Oil Fouling or Bio-particulate

Haze Removal - application examples:

- Final Product Filtration
- Acrylics and paint additives
- Adhesives

Absolute-rated Depthflo Medias are available in:

- Polypropylene "Depthflo"
- Microfiberglass "MG Depthflo"
- Nylon "N66 Depthflo" and "N6 Depthflo"
- Polyester "PE Depthflo"

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High Capacity Filter & Coalescer Vessels



High Performance Pleated Coalescers & Separators

Chemflo offers an array of liquid-liquid coalescers, liquid-gas coalescers, and separators for your application needs.

LIQUID-LIQUID COALESCERS are:

- High Capacity Pleated Coalescers
- “Optimized” for Specific Process Applications
- Multi-stage Vessels
- Proprietary Coalescing Medias: Polyester, Nylon 6,6, PPS (Polyphenaline sulfide)
- Binderless Microfiberglass and Epoxy Binder Microfiberglass

LIQUID-GAS COALESCERS are:

- All synthetic media, 0.3 μm and 0.1 μm Aerosol removal efficiency
- Removes down to 0.003 ppm
- LG640 is Chemflo’s best High Flow Rate, High Performance Coalescer
- For Natural Gas, Sour Gas, and Fuel Gas
- Protects turbines, compressors, steam generators, pipelines and sweetening/dewatering systems

SEPARATORS available in:

- Teflon Coated Screen: cleanable, non-static
- Synthetic: pleated or rolled, non-static
- Pleated Paper: least expensive, not for horizontal

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