Auto-Jet®
Self-Cleaning
Pressure Leaf
Filter
Auto-Jet® Self Cleaning Pressure Leaf Filter System

Whittier Filtration combines product innovation with industry experience to provide economical and effective operation in a number of filtration and water treatment applications.

- **Increased Efficiency** - reduces cleaning costs.
- **Auto-Lok Door** - ensures leakproof, positive closure and quick and easy access.
- **Uniform Filter Leaves** - for uniform precoat and filtration.
- **Positive Shaft Seal** - provides pressure-tight seal on effluent manifold.
- **Standard Sizes** - ranging from 50-2000 ft² for a variety of applications including sanitary design.

Auto-Jet® is the premium self-cleaning leaf filter designed for efficient filtration in the most severe applications. Due to a superior, patented sluicing design, Auto-Jet® maintains its full-rated capacity even where heavy, sticky or unusually tenacious cake is encountered. Its efficient sluicing system assures thorough cleaning of every square inch of filter surface area each cycle. Engineered for filtration efficiency, Auto-Jet® features uniform leaf construction for leaf interchangeability and to provide uniform precoating, filtration and cake buildup.

**QUICK AND EASY MAINTENANCE**

Access for inspection and maintenance to the Auto-Jet® is simplified by the quick-opening Auto-Lok door. By removing a single nut on the filtrate shaft, leaves can be slipped off the cantilevered shaft without entering the filter. One person can open a 600 sq. ft. Auto-Jet® and remove all the leaves in less than 30 minutes – about the time it takes just to open a bolted-door type filter.

**CHOICE OF CONSTRUCTION MATERIALS**

Auto-Jet® can be manufactured in various construction materials including steel, stainless, monel, nickel, Hastelloy™, and other metals. Rubber or plastic linings are available for steel tanks. All tanks can be constructed to conform with ASME code specifications.
AVAILABLE IN WET OR DRY CAKE DISCHARGE

Normal configuration is wet cake discharge using sluice jets for cleaning. With dry cake discharge option, air dries the cake and the leaves rotate against a knife blade cutoff.

SUPERIOR FILTRATION AND SELF-CLEANING

Integral to the Auto-Jet’s® superior filtration capability is its patented sluicing system incorporating specially-designed jets. As the filter leaves rotate, flat, knife-like jets of cleaning liquid quickly strip away the heaviest cake and scrub the entire surface area. Using only a fraction of the cleaning liquid required by other types of filters, Auto-Jet completely cleans the filter surface area in three minutes or less.

The Auto-Jet® filter inlet and adjustable baffling are carefully engineered to team with the leaf design and placement for better filtration. The filter shell can be manufactured with either a conical, double conical, or deep V-shaped bottom to accommodate the heaviest sludge loads. Easy inspection and service are facilitated by a sluice manifold design which allows for complete manifold removal without removing filter leaves.*

Test Units are Available.

*When using dry cake discharge, a screw conveyor transfers the cake.

NOTE: ALL FILTER LEAVES ARE UNIFORM IN SIZE AND ARE INTERCHANGEABLE.
Whittier Filtration provides a broad line of proprietary filtration technologies used for the removal of solid matter and impurities from liquid streams and employ a variety of removal techniques which can be used as stand-alone units or systems involving different technologies; fully integrated to meet the most stringent effluent requirements. Whittier Filtration also maintains a comprehensive program for maintenance, repair of systems and equipment, including ordering of critical replacement parts.

LEAF FILTERS:
Auto-Jet®, Filtra-Matic™, Verti-Jet

TUBULAR FILTERS:
Auto-Shok®, Auto-Pulse™

MEDIA FILTERS:
L’Eau Claire Upflow
High-Rate Sand Filters

SEPARATORS:
Autoflot®, Power Clean®

ION EXCHANGE/SOFTENERS

SPARE PARTS AND SERVICE