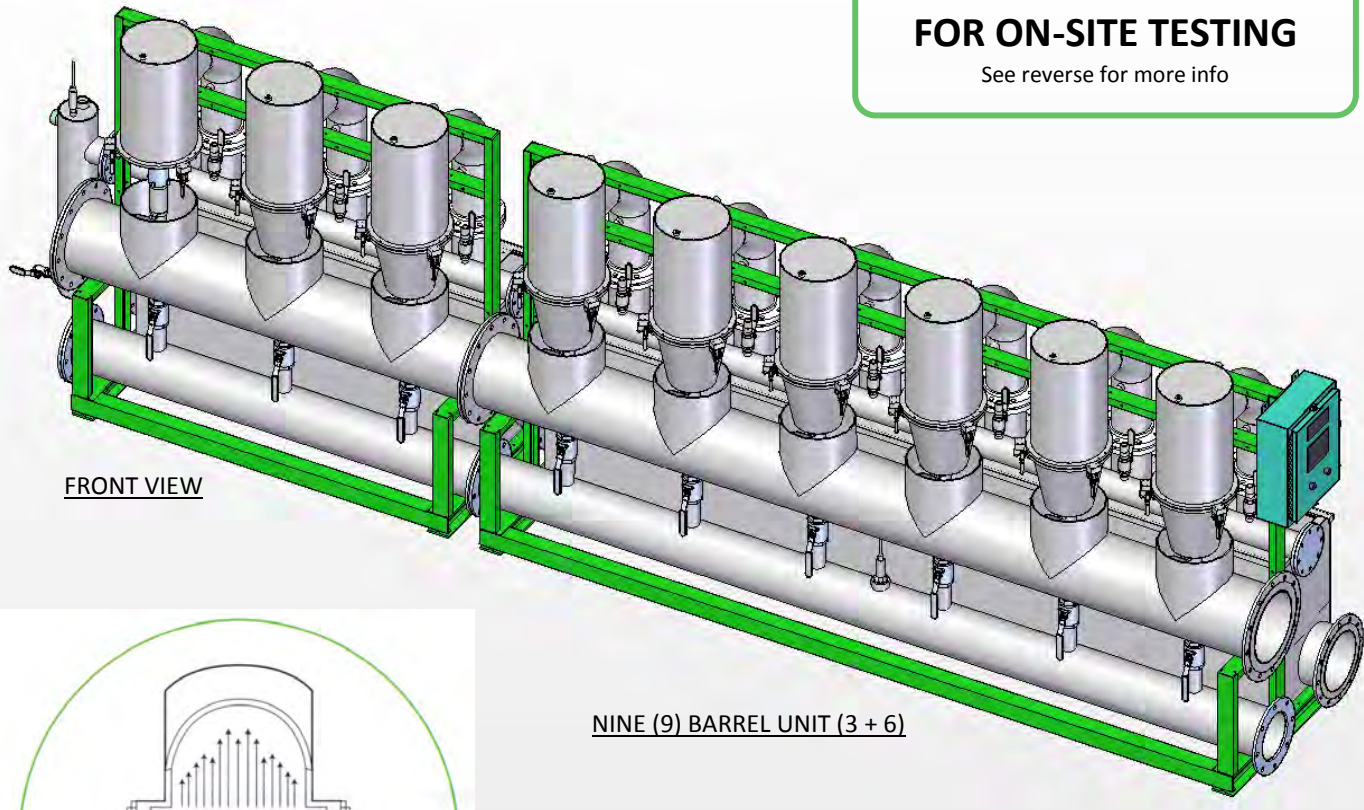


FLOAT WASH FRACTIONATING FILTRATION SYSTEM

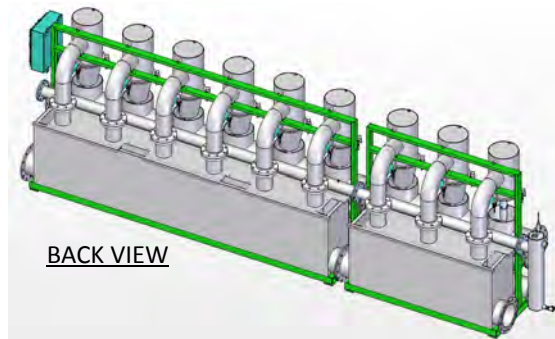
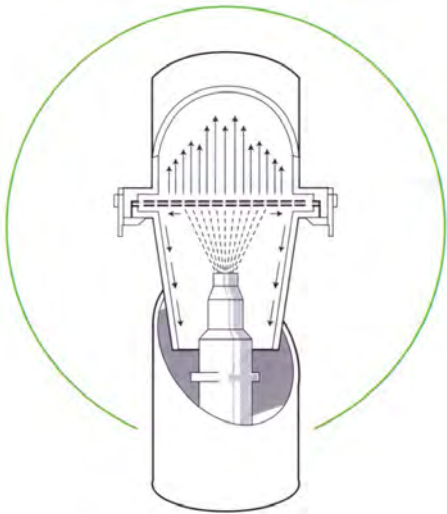
**TRIAL UNIT AVAILABLE
FOR ON-SITE TESTING**

See reverse for more info



FRONT VIEW

NINE (9) BARREL UNIT (3 + 6)



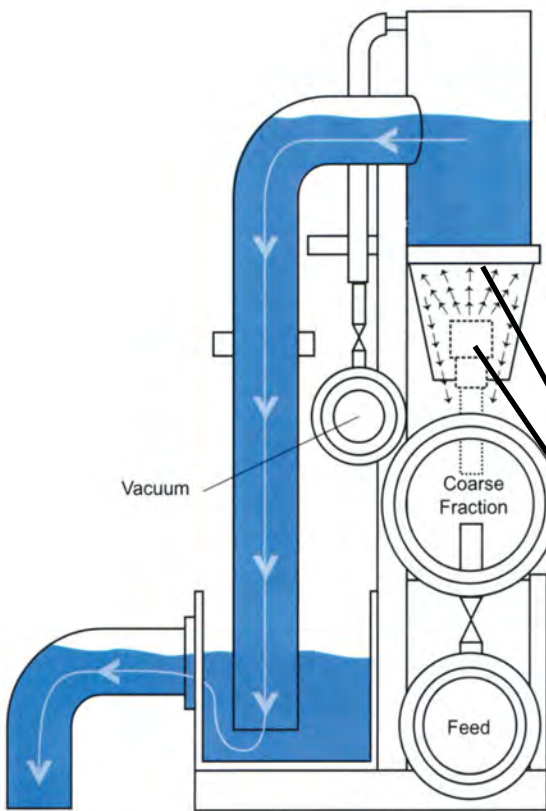
BACK VIEW

UNIQUE FILTRATION/SEPARATION SYSTEM

The Sinclair Float-Wash System is a modular designed static Micro Screen Fractioning (filtration/separation) device typically used to process paper machine White Water for re-use in various shower applications. Through a series of individual filtration/separation assemblies with common headers and seal tank, this compact modular design allows for simple isolation to allow for individual screen inspection and cleaning without interrupting the remaining process flow. Each barrel capable of processing approximately 100 GPM output accepts flow, application dependent. Standard sizes available: 1 to 16 barrels. Future volume increase by adding additional bolt-on assemblies.

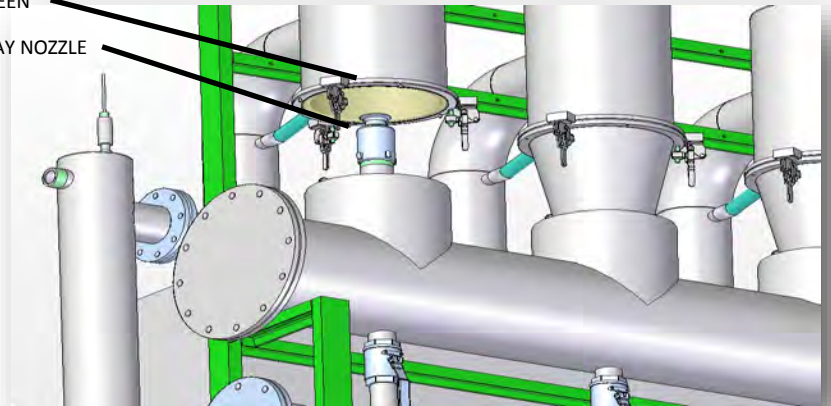
FLOW PROCESS

By directing spray upward through nozzles against individual dual layer screens, larger particle fiber get rejected and flushed down into a common coarse fraction (reject) header while the fine (accepts) water passes through the mesh screen and the water column created is drawn upward with the assistance from controlled vacuum. The fine (accepts) water then flows into a fine fraction retention seal tank and then back to the mill's shower feed tank. Course fraction (reject) water can be saved and reprocessed. The constant upward spraying action against the screen creates a continuous screen self-cleaning action. Many screen sizes are available including 30, 45, 60, 80, 100 & 200 micron.



SCREEN

SPRAY NOZZLE



SPRAY SHIELD REMOVED TO VIEW NOZZLE AND SCREEN

DESIGN

The extremely compact MODULAR SYSTEM enables each individual nozzle to be isolated for screen cleaning or inspection without interrupting the process flow. A screen change takes less than one minute. Control consists of (2) simple pressure controllers. One balances feed pressure by opening and closing a butterfly valve. The second balances vacuum pressure by opening and closing a globe valve.

APPLICATIONS

- Preparation of shower water for wire and felt sections
- Reclaiming white water
- Fines removal
- Solids removal from black liquor
- Solids removal from mill effluent
- Fiber fractioning
- Improving efficiency of flotation cells (Save-All)
- Improve de-inking systems yield

ADVANTAGES

- Efficient separation
- No moving parts
- Compact size
- Minimal installation costs
- Low maintenance
- No chemicals or pre-coat required
- Very low energy consumption

FLOAT WASH TRIAL UNIT AVAILABLE

A single barrel full scale Trial Unit is available for mill trial. Customers can do simple on-site testing under actual conditions using current mill water conditions. The FS-1 Unit is capable of processing approximately 100 GPM output flow. Cost for this Trial Unit is nominal. Contact us for more information.

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**FLOAT WASH
FRACTIONATING
FILTRATION SYSTEM**