

Utilized in applications where filtration of fine particulate is required. A very modular gravity roll media system allowing a unit to be easily configured to each application's requirement.

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Efficiently removes fine chips and grinding sludge to achieve coolant clarity down to 10 microns or less. Provides positive filtration in a variety of difficult applications from cast iron, steel, and aluminum to composite and plastic materials.

FEATURES

- Fabricated with modular filter and tank components to meet your changing filtration requirements
- Filter Sizes 30 GPM, 60 GPM & 90 GPM
- Standard Tank Sizes* (Clean & Ultra-Clean Version) Flex G30 - 1250L & 1550L Flex G60 - 1675L & 2025L Flex G90 - 2040L & 2415L

*The tank size is based on volume request and amount of components required - other sizes can be designed upon request.

- Uses a variety of different disposable cloth media, which are selected based on the specific application
- Standard Automatic Media Advance
- "Low Media Roll" detection switch to provide pre-warning to machine
- "No media" alarm sensor to provide fault condition to machine

BENEFITS

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FlexFiltration

- Fine filtration to 10 microns or less
- Positive seal design used to eliminate fines migration

Rongensen Conveyorat

- Deep filter cakes for efficient cost saving coolant use
- Can be mounted to existing coolant tanks
- 30 GPM has low profile tank for grinding applications
- Media Tray included

APPLICATIONS

- Coolant Filtration
- Central Systems
- Oil Filtration
- Water Filtration
- Fluid Filtration



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HOW IT WORKS

- 1. Dirty coolant is either pumped from the machine or gravity flows to the inlet of the Gravity Media Filter, dependent on size.
- 2. After entering the inlet, dirty coolant is directed to a sealed chamber inside the filter where it is allowed to puddle while it filters through the media.
- 3. Particulate remains on the surface of the media after the coolant has filtered through and drained into the clean tank below the filter.
- 4. As particulate builds on the media, it creates a cake or film on top the media, which further enhances the filtration level.
- 5. As the cake builds, the coolant percolation rate through the media will gradually decrease, increasing the coolant level inside the filter chamber.
- 6. The rising coolant level eventually contacts the liquid level sensor which initiates the paper indexing cycle.
- 7. The paper index gearmotor turns on for a set time period, cycles the dirty media out of the chamber area and introduces new, clean media into the chamber area, which drops the coolant level within the chamber.
- 8. With new media now in the chamber, the filtering and index process starts over and repeats.

OPTIONS

- Options to control or interface with pumps and other auxiliary equipment
- High pressure coolant system
- Tramp oil skimmers
- Low profile tanks available on all filter sizes for grinding applications
- Coolant chillers/heat exchangers
- Tank autofill plumbing assembly
- Various electronic sensors including liquid level monitoring, coolant temperature, etc.
- Full stainless-steel option available

Jorgensen's FlexFiltration - Flex G Series ensures a flexible cost-effective solution for many challenging filtration applications.



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