



ULTRA LOW WASTE FILTER

Avoiding Cloth Media Fouling

Overview

Cloth media filtration has provided effective water filtration for decades and while reliable there are several applications which often create challenges with cloth fouling and / or near continuous backwashing requirements.

Events that Challenge Typical Filters

- Bio-Fouling
- Oil & Grease
- Polymer Carry Over
- High Solids Applications
- Process Upsets



High Solids & Polymer Feed

AquaPyr Ultra Low Waste Filtration Process Advantages

- **Wet Solids Extraction Cleaning**
 - Patent Pending, High Velocity Cleaning Aggressively Scrubs Cloth Fibers
- **Three Modes of Mass Transfer**
 - Patent Pending Cleaning Scrubs Cloth Fibers in Three Directions
- **Deep Clean Cycle**
 - Allows for repeat, preventative cleaning without high volume backwash waste.
- **Cleaning Direction Reversal**
 - Operated selected reversal of cleaning direction prevents cloth fibers from becoming matted down and impacted with foulants.
- **Chemical Clean in Place**
 - Fully Automated Chemical Clean in place. Use oxidizers, biocides, surfactants, and other cleaning agents to mitigate fouling in tough applications.



Above: Wet Solids Extraction Cleaning Devours Grease, Fat and Over Fed Polymer.

Below: AquaPyr ULWF Clean in Place System Removes Tough Foulants such as Bio-Films and Animal Fats.

