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The Fractionating Saveall™

A Green Technology for Controlling a Whitewater System

The **Fractionating Saveall™** is a truly green approach to help tissue makers reduce fiber loss and gain improved control over whitewater. In many tissue mills, fiber loss of 2% or more occurs, and efforts to reduce fiber loss often result in increased levels of fines and ash that can adversely impact chemical usage, web properties, dewatering and drying, and felt life. The patented **Fractionating Saveall™** allows the tissue maker to fractionate the whitewater, separating useful fiber from unwanted components, thus providing a new level of control over the whitewater and the tissue making process.



The **Fractionating Saveall™** is a rotating flexible screen in the shape of an inverted truncated cone. The whitewater flows into internal pipes that apply a controlled flow of multiple streams

against the inside of the screen. The flows impinge at an angle causing the screen to rotate. Long fiber is captured internally and forms flocks that roll toward the bottom where they are collected. The screen is kept clean by the continual flexing of the screen as it rotates in and out of liquid streams: the flexing motion prevents fiber build-up. Continuous operation for many weeks during a tissue mill trial (see photo above) confirms the self-cleaning, low-maintenance operation of the **Fractionating Saveall™**.

The **Fractionating Saveall™** can be used in a variety of ways to fit the needs of your mill. It does not need to treat the entire volumetric flow of liquid in the mill but can treat key flows such as flow from the overflow of the pit or silo to fractionate the whitewater for the best results. The use of the **Fractionating Saveall™** to treat a portion of the whitewater not only can recover a valuable amount of fiber, but can help improve whitewater composition as fines and ash are purged without substantial fiber loss.

For additional information, contact:

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Additional photos:

