



PULP & PAPER

# ELIMINATE BLOCKAGES IMPROVE RUNNABILITY

MULTIPLE WATER INJECTION FOR  
HIGHEST CLEANING PERFORMANCE

**ANDRITZ**

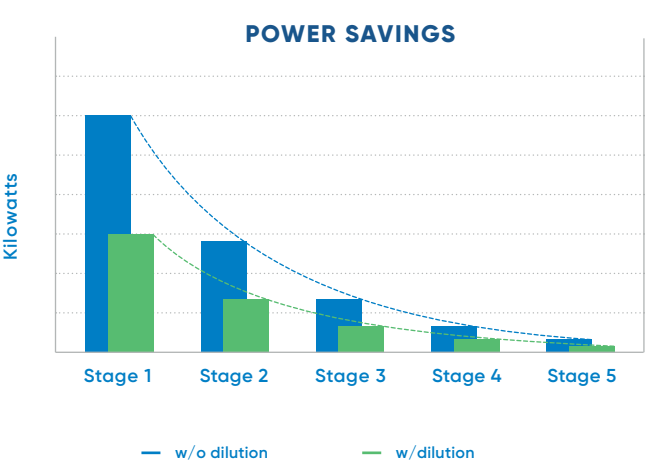
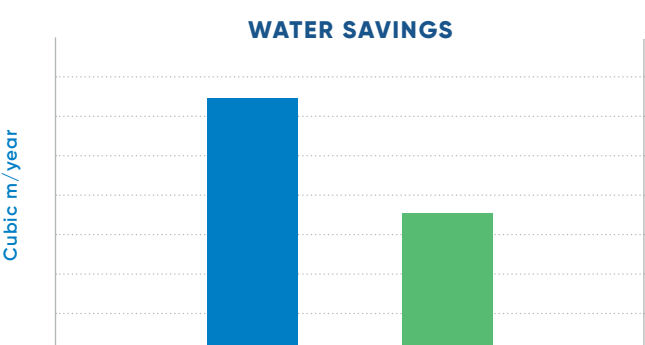
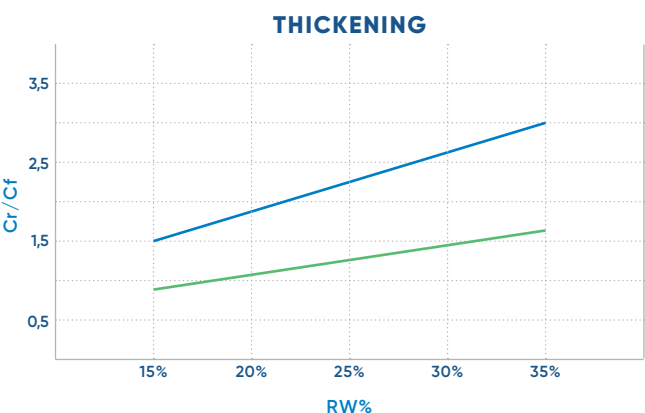
ENGINEERED SUCCESS





**ENHANCED PERFORMANCE BY EFFECTIVE DILUTION DIRECTLY TRANSLATES INTO TCO SAVINGS**

Cleaner can operate at higher consistency with the proper application of reject dilution. Runnability significantly improves with diluted rejects and in addition, at increased consistency much less power is required. Reduced reject flowrate with fiber savings also minimizes water consumption: 100 l/min of recovered water in final rejects save 50 million liters of water annually.



# ANDRITZ Multi-Injection Vortex Control (MIVC)

Innovative chamber design for a significantly improved cleaning process

ANDRITZ has developed an innovative cleaner chamber with patented Multi-Injection Vortex Control technology (MIVC). MIVC will allow 200% larger debris to be rejected in some cases, this new reject dilution chamber design addresses many of the common problems that jeopardize daily operations – runnability issues, yield issues, and energy consumption. This revolutionary reject dilution chamber design eliminates blockages by removing potential plug points from the chamber. The reject area is dramatically larger. The reject outlet is connected at a 60-degree angle, instead of the severe 90-degree angle found in other designs. Reject

dilution is performed under the cone, instead of inside, leaving the vortex inside the cone undisturbed. Improve cleaner plant operations immediately by upgrading cleaner cones with this new, plug-avoiding chamber design.

**DESIGN FEATURES**

- 200% larger debris
- 60-degree reject outlet
- Reject dilution performed under the cone, instead of inside it
- Chamber designs in plastic and ceramic

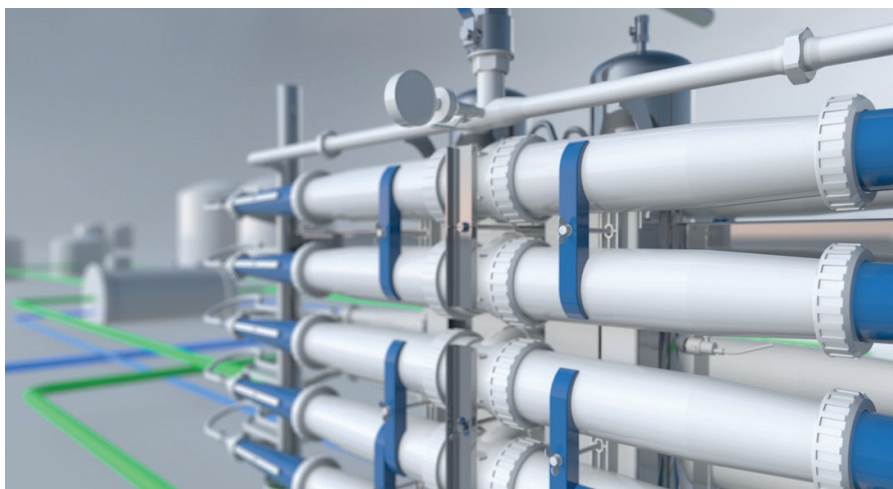
**BENEFITS**

- Improved runnability
- Improved yield
- Energy-efficient design
- Requires less dilution water than competitors
- The ability to operate at higher consistencies



### INDUSTRY EXPERTS IN CLEANER PLANT UPGRADES AND OPTIMIZATIONS

ANDRITZ process experts can custom tailor cleaning solutions for all applications. On-site audits, material balances, inspection assistance, and recommendations for complete process optimization – including energy and material savings. ANDRITZ has local representation worldwide and can provide service for practically every cleaner system (irrespective of OEM). Partner with the hydrocyclone experts.



### AUGMENTED REALITY CONTENT



To view videos in a more direct and lively way, we added augmented reality to some parts of this brochure. Download our ANDRITZ AR APP on our website or in the AppStore / PlayStore! Scan the marked pages and experience the enhanced content

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# ANDRITZ

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