



SEPARATION

INCREASE YOUR THROUGHPUT BY UP TO 15%

CENTRAL VALVE UPGRADE FOR TILTING PAN FILTERS

ANDRITZ

ENGINEERED SUCCESS

Increase your throughput by up to 15%

Installing a tilting pan filter is a long-term investment, and anything that improves the operation of your filter is a smart move. By upgrading your filter with the latest component designs, you can achieve improved performance and cut operating costs. The latest advances in central valve technology can yield an increase of up to 15% in filtration capacity compared to the valves used in older-generation models. That is why ANDRITZ is constantly working on developing new critical component designs in order to improve your filter's performance.

A SIMPLE SOLUTION WITH IMMEDIATE EFFECT

The central valve is a critical component that can be upgraded with the new ANDRITZ model EX-LV valve to provide higher capacity, higher recovery of water-soluble P_2O_5 , and lower maintenance costs. The central valve upgrade successfully pre-separates the gases and liquids inside the valve, thereby eliminating the need for separate filtrate receivers for each filtrate down-leg. In addition, it decreases the pressure drop across the central valve and reduces system scaling.

ADVANCED FEATURES FOR MAXIMUM IMPACT

- The vacuum side outlet design is compatible with the special ANDRITZ automatic lubrication system.
- The upgrade offers a central platform for real-time sample extraction to create acid profiles.
- The valve boasts a customized vacuum pump/blower configuration for single or dual vacuum pump systems and effective cell draining and cake discharge operations.
- The UHMWPE wear plate can be machined to compensate for uneven wear or warping of the metal seal ring, thereby eliminating vacuum leaks.
- The hydraulic lifting system facilitates the inspection and adjustment of internal partitions and allows easy removal of scale build-up.
- The partitions between active zones are fabricated so that the zones are completely isolated from each other to eliminate vacuum short-circuiting between zones.

MEASURABLE PERFORMANCE IMPROVEMENTS

ANDRITZ has developed this technology based on years of collaboration with clients, combined with in-house expertise. The upgrade is also available for customers currently using tilting pan filters from other manufacturers.

APPLICATIONS

The EX-LV central valve can be retrofitted easily to any model and make of tilting pan filter, providing a fast and cost-effective upgrade.

YOUR BENEFITS

- Increase of up to 15% in filtration capacity
- Reduced water-soluble P_2O_5 losses
- Easy maintenance with the lifting system
- No downtime for greasing, resulting in higher productivity
- Lower final cake moisture
- Reduced scaling



Central valve upgrade EX-LV



ANDRITZ tilting
pan filter installation

Your full-service provider

With ANDRITZ, you gain access to one of the world's largest OEM manufacturers for solid/liquid separation systems, including such well-known brands as 3Sys Technologies, Bird, Delkor Capital Equipment (Pty) Ltd., Escher Wyss dryers, Frautech, Guinard Centrifugation, KHD Humboldt Wedag, Krauss-Maffei centrifuges, dryers, and filters, Lensor, Netzsch Filtration, Rittershaus & Blecher, Royal GMF Gouda, Sprout Bauer, and Vandenbroek. Whether you need spare parts, rentals, local service, repairs, upgrades, or modernization of your equipment,

ANDRITZ is your true full-service provider. From initial consulting through to service agreements, process optimization, and training programs, we are always looking for ways to minimize downtime and increase predictability in operations while raising your overall production efficiency. Wherever you operate, our network of 550 service specialists and global service centers ensures we'll always be there to support you for many life cycles to come. Let's sit down and see how we could take your operations to the next level.



LOCAL SUPPORT



REPAIRS & UPGRADES



SECOND-HAND & RENTALS



TRAINING



OEM SPARE PARTS



SERVICE AGREEMENTS



PROCESS OPTIMIZATION



LAB AND ON-SITE TESTS





WHAT'S YOUR SEPARATION CHALLENGE?

ANDRITZ Separation is the world's leading separation specialist with the broadest technology portfolio and more than 2,000 specialists in 40 countries. For more than 150 years, we have been a driving force in the evolution of separation solutions and services for industries ranging from environment to food, chemicals, and mining & minerals. As the OEM for many of the world's leading brands, we have the solutions and services to transform your business to meet tomorrow's changing demands – wherever you are and whatever your separation challenge. **Ask your separation specialist!**

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