



SEPARATION

REDUCE THE CYCLE TIME OF YOUR FILTER PRESS BY UP TO 40%

Metris addIQ PISTON STROKE CONTROL

ANDRITZ

ENGINEERED SUCCESS

Reduced cycle time

The Metris addIQ piston stroke control reduces your filter press cycle time by up to 40%. It shortens the distance the cylinder and the shifting plate have to cover to open the plate pack. This means less time to open and discharge the filter cake and, therefore, an increase in capacity.

The operating cycle of a filter press takes time, especially during the sequence to open the plate pack and discharge the cake. The shifting plate needs to travel the full distance to hit the mechanical stops – this takes time! However, the ANDRITZ specialists noticed that the opening process does not have to be this long in order to discharge the cake, and so they have developed the piston stroke control.

With the piston stroke control, the bars shorten the distance traveled by the shifting plate. Though the work opening is smaller, the plate transport system reaches the plate alignment stops faster. This means reduced cycle time and higher production capacity.

For sticky filter cakes or the washing sequence, the piston stroke control can be moved into an "up" position so that the filter press can be fully opened.

APPLICATION

The piston stroke control is available for all makes and models of sidebar and overhead filter presses. Overhead filter presses use an electronic system, while sidebar filter presses have a mechanical piston stroke shortening device.

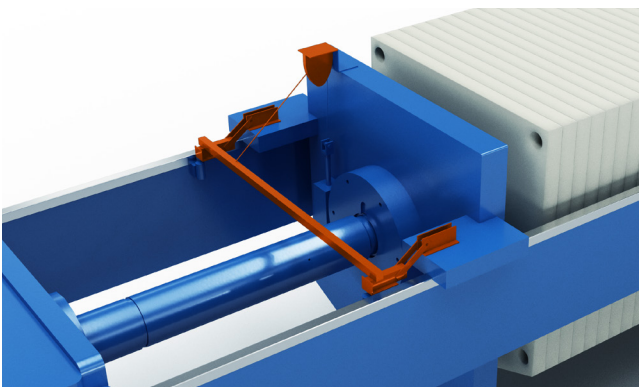
YOUR BENEFITS

- Shorter cycle time
- Increased capacity
- Easy to retrofit

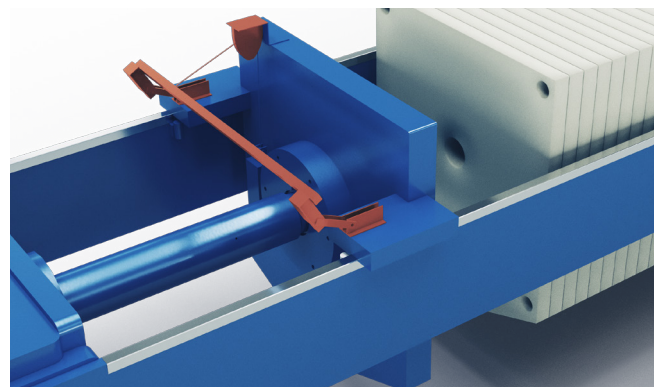
EXAMPLE

SE 1500 – 92 chambers

Without piston stroke control	48 cycles/280 tons per day
With piston stroke control	53 cycles/ 306 tons per day



Mechanical piston stroke shortening device for sidebar filter presses – down position to reduce cycle time and keep shifting plate aligned



Mechanical piston stroke shortening device for sidebar filter presses – up position for full opening of the filter press for sticky filter cakes and filter cloth cleaning



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, Lenser, 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

Responsive local service centers and field service technicians



REPAIRS & UPGRADES

Optimization of machine and process performance, repair work, retrofitting, and modernization



SECOND-HAND & RENTALS

Certified second-hand and rental machines



TRAINING

Operator training and tailored seminars for operating and maintenance personnel



OEM SPARE PARTS

Filter cloths, spare and wear parts from OEMs or with OEM level quality, all readily available



SERVICE AGREEMENTS

Preventive maintenance, contracts for spare parts, maintenance, inspections, repairs, upgrades, operation, and equipment monitoring



PROCESS OPTIMIZATION

Automation tools and process expertise to boost your profit



LAB AND ON-SITE TESTS

Lab and testing capabilities for process optimization and machine upgrades



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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