



PULP & PAPER

GETTING THE MOST OUT OF WASHING

DD-Washer
DRUM DISPLACER WASHER

Efficient, gentle, and layout-friendly: The ANDRITZ DD-Washer drum displacer washer allows a flexible number of washing stages in a single unit, which greatly simplifies any fiberline layout. Based on the proven displacement washing principle, a

DD-Washer will deliver high washing efficiency in any position in the fiberline. The DD-Washer is also very gentle on fibers – retaining all the bulk, stiffness, and strength of the pulp – since there is no mechanical pressing during pulp washing.

Cost-effective and environmentally friendly: A key design feature of the DD-Washer is that, at each washing stage, the pulp is washed counter-currently with filtrate that has been fractionated from the succeeding stage.

ANDRITZ

ENGINEERED SUCCESS

Multi-stage washing efficiency and high production throughput

This lowers overall water consumption and results in more efficient displacement. The innovative approach to the use of filtrates reduces the amount of chemicals required in the oxygen delignification and bleaching stages. The closed water circulation of the DD-Washer prevents the transfer of cooking chemicals and dissolved organics to downstream fiberline processes. This reduces operating costs and reduces the effluent discharged from the entire

fiberline. The pressurized design of the DD-Washer keeps gaseous emissions to the atmosphere at a very low level.

EXTENDED PRODUCT RANGE

Thanks to many innovative features, and a long history of success, the DD-Washer is versatile in handling a wide range of washing requirements. It is available in a range of drum sizes – including

the world's largest capacities – to ensure there is a suitable washer for every position in the fiberline. The washers perform well for a wide range of inlet consistencies. Recent enhancements – including improvements to the pulp flow and filtrate flow hydraulics – have resulted in improved washing efficiency and increased capacity. The newest DD-Washer units can handle capacities over 6,000 adm/d.

BENEFITS

- Flexibility: multiple washing stages on a single drum
- Layout-friendly design
- Extremely high washing efficiency
- Extreme energy efficiency
- Fractionated filtrates to conserve water
- Gentle on fibers: no mechanical pressing
- Fast start-up, high availability
- Capacities up to 6,250 t/d in a single unit



With hundreds of installations all around the world – both as replacements for existing washers and as new installations in the industry's most modern fiberlines – the DD-Washer is clearly the preferred solution for efficient, reliable, and environmentally sound pulp washing.

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