Your benefits:
- Full-coverage cleaning of fabric and felt by specially developed oscillator (Rossilator™)
- Easy replacement of nozzles and cleaning brush
- Maintenance-free bearings
- Effective cleaning possible even with lower water quality

2move™:
- Cleaning brush can oscillate or rotate depending on type of contamination
- 1 actuator - 2 internal cleaning options
- Optimum cleaning of disc nozzles and internal shower wall
- Suitable for retrofitting
- Patented cleaning product
**Showers**

Whatever their function - cleaning, lubrication or knock off the paper - showers, especially in the wet-end, have a significant impact on the entire paper-making process. Using the optimum shower for the job (oscillation, internal cleaning, type of nozzles etc.) and keeping it in tip-top condition not only increases the life of the fabric but also safeguards paper quality by providing optimum cleaning.

James Ross manufactures a variety of shower models to meet all requirements. Every shower is custom-designed for each specific application, with any length available and a choice of diameters between 1” and 6”.

**Standard showers**

**Linear internal cleaning**: cleaning the shower interior is recommended in almost all positions to ensure showers keep working efficiently even with process water. The linear brush system from James Ross guarantees ultra-effective cleaning of shower nozzles in both low-pressure and high-pressure applications. The continuous brush can be moved by a hand-wheel or automatic actuator in a linear back-and-forth action over the nozzles, which protrude into the pipe. This means that the brush stays over the nozzles far longer than in rotating cleaning systems.

James Ross also provides shower systems with automatic internal cleaning, employing a pneumatic actuator and ball valve. With a simple controller, the user can set the cleaning program to run fully automatically at required intervals.

**Models**

- Stationary and oscillating showers
- With or without internal cleaning
- All shower models also available as “pipe-in-pipe” design
- Nozzles also available with ruby, ceramic or sapphire insert
- Range of nozzle angles, flow rates and nozzle designs available
- Can be used with a choice of oscillators

**2move™**

In the past, when buying a shower with manual internal cleaning, the customer could only choose between an oscillating or rotary model. The advantage of the oscillating system is that each individual disc nozzle is thoroughly cleaned by the axial brush travel. In contrast, although the rotary system also cleans the internal pipe wall of dirt, it only touches the disc nozzle briefly with the brush.

In order to combine the advantages of both systems, the engineers at the IBS Paper Performance Group have developed a unique design which now enables both rotary and oscillatory cleaning. Only the combination of both movement patterns guarantees that nozzles and pipe are kept clean. The use of a continuous brush combined with the new actuator provides additional benefits.

**For further details:**

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