

# AUTOMATIC COOLING WATER FILTRATION

## at Acordis Fibres Plant

Acordis is one of the world's major fibre producers, supplying man-made fibres and speciality materials for industrial, textile, medical and hygiene applications. The UK Plant processes woodpulp into cellulose fibre for a variety of applications, including Clarifoil plastic films for the packaging and printing industries and Filter Tow for the international tobacco industry.

The whole Acordis site is served by a central water cooling system, which extracts millions of gallons from a nearby river and circulates it via a cooling ring main. Apart from coarse strainers on the main water inlet, water for individual processes is filtered separately as required.

The Filter Tow and Solvent Recovery processing plants have been upgraded with a new compressor system including the replacement of basket-type strainers, which needed regular cleaning to prevent blockages.

The new compressor installation, which is designed for continual, unmanned operation 24 hours a day, has been fitted with a Self-Cleaning BOLLFILTER Automatic Type 6.18 on the water feed line.

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The BOLLFILTER Automatic has proved to be extremely effective as Jonathan Robinson, Acordis Engineering Technician, explains. *"Since the BOLLFILTER was installed, some two and a half years ago, we have not touched it! There have been no blockages and no need to clean it."*

**Client** Acordis

**System** BOLLFILTER Automatic Type 6.18  
Flow rate 82 m<sup>3</sup>/hr  
Filtration level: 400 micron



**TOP.** Cellulose flakes which are processed into film and filter tow.  
**CENTRE.** BOLLFILTER Automatic Type 6.18 installed to protect the Compressors.  
**BOTTOM.** Two Cooper Turbo Compressors, each with 1500 cu ft/min capacity.



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