



NONWOVEN
neXjet
INJECTOR TECHNOLOGY
THE HEART OF THE SPUNLACE PROCESS

THE BENCHMARK

Injectors are considered one of the critical points of the spunlace process. On the basis of its extensive know-how in fluid mechanics, ANDRITZ installs the unique neXjet injectors, with their robust design, in all hydroentanglement units. ANDRITZ technology always provides optimum quality at low energy consumption.

ENERGY EFFICIENCY

Top-quality needling water is ensured by the advanced design whereby the water is distributed through an innovative, continuous slot inside the ANDRITZ Jetlace neXjet injector. Process engineers use the latest computer-based fluid mechanics modeling tools to optimize the injector efficiency.

MAINTENANCE-FREE

ANDRITZ has developed a mechanical seal that not only prevents leaks, but is extremely easy to clean or replace. The work is simplified to the point that operators and maintenance staff do not require special skills or extra training in order to perform regular maintenance on the neXjet Injector.

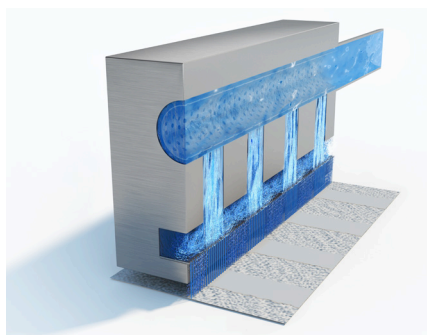
ANDRITZ

ENGINEERED SUCCESS

ANDRITZ neXjet injectors – a proven story of success

EASY MAINTENANCE

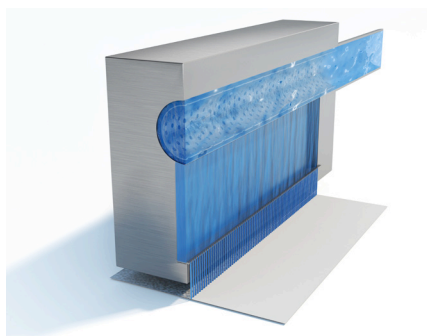
The jet strip technology is an important component for the success of ANDRITZ's neXjet injectors. More than 5,000 jet strips have been delivered so far. In addition to the development know-how, the easy handling when exchanging the jet strips and their longevity are to be emphasized. Thanks to their sophisticated geometric properties, they ensure a perfectly uniform water jet.



Design of standard injector with distribution holes

FILTERING CARTRIDGES EXH

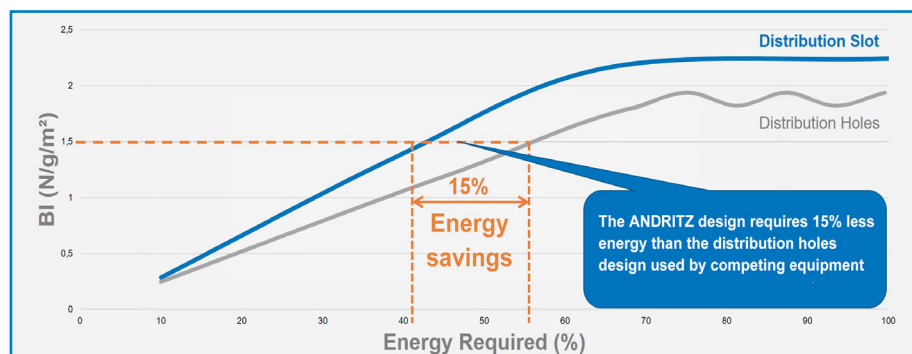
The EXH filter cartridges consist of several compressed fabric layers for the final filtration of the water in the process circuit. They also have a longer lifecycle and no repairs are required. The quick-change system for easy and fast removal of cartridges reduces downtime and helps avoid unnecessary costs.



Design of patented neXjet injector with distribution slot

FEATURES:

- Unique design
- 15% less energy consumed compared to all competitors' injectors
- Perfect water jet uniformity thanks to exclusive hydraulic slot
- The easiest and fastest way to maintain the injector - no special tools or activities needed
- Injectors equipped with auto-cleaning system and designed to avoid pulp build-up in Wetlace™ and Airlace™ configurations



Energy saving by using ANDRITZ neXjet technology with distribution slots vs. standard distribution holes. The diagram shows the savings that are possible with this unique injector technology.

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