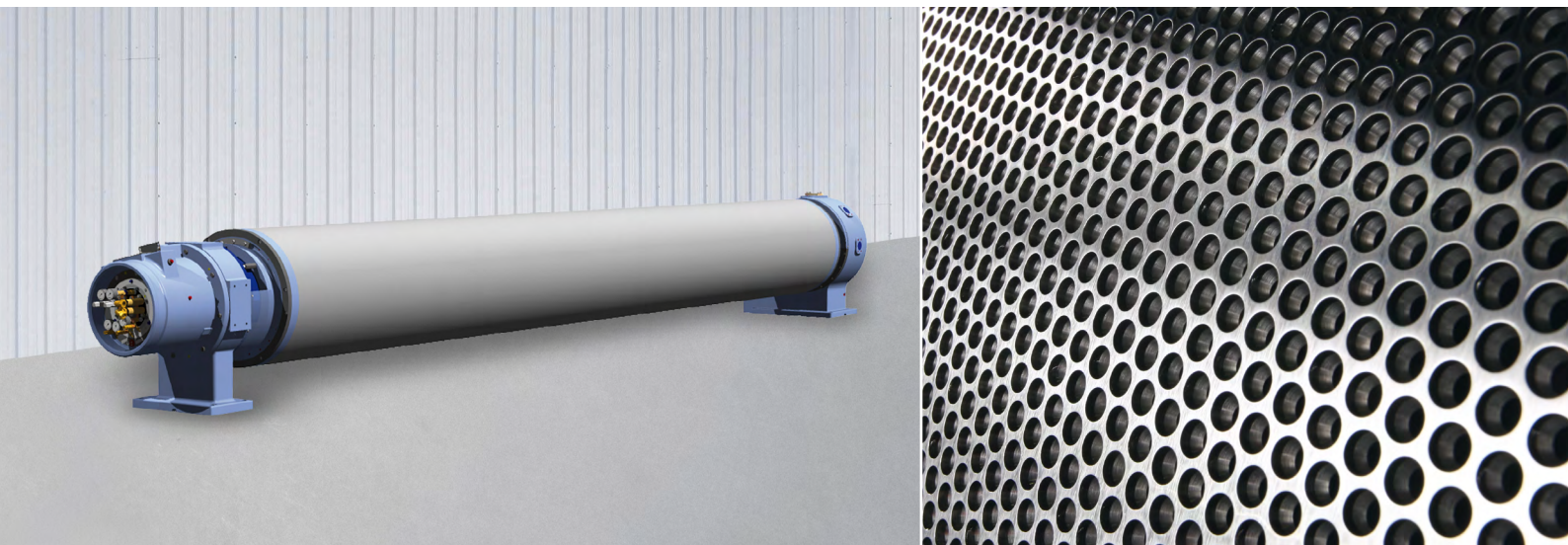


EvoFlow C

The suction couch roll for optimum dryness



EvoFlow C – Efficient dewatering via vacuum zones

With the EvoFlow product portfolio, Voith has developed an optimized roll design for the specific application. The EvoFlow C suction couch roll is applied in Fourdrinier sections and high-speed gap formers to alter the direction of travel and to dewater the web. It dewateres the web through vacuum zones and increases the dryness. It even takes over partial drive of the wire. The drainage capacity of EvoFlow C is mainly determined by the diameter of the roll, the wire wrap angle and the vacuum level in the suction zones. Based on these criteria, the design of the former is optimized for specific applications to achieve the desired paper quality.

All advantages at a glance

- + Optimized roll design for the specific application
- + Minimum wear through self-cleaning nozzles, resulting in increased sealing strip life
- + Significant noise reduction due to noise-reducing drilling patterns
- + High mechanical availability
- + Low marking sensitivity due to special suction hole geometry

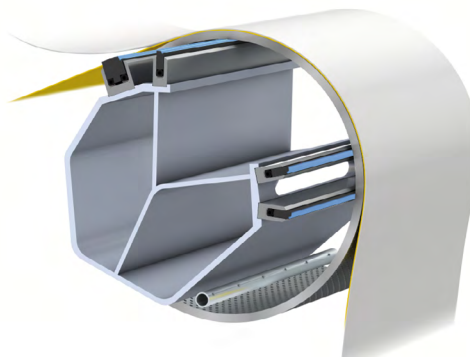
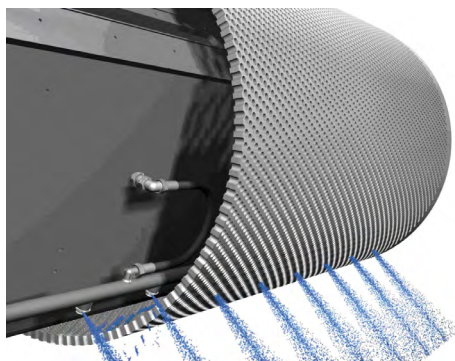
Use of high-quality material

For long-term use in the corrosive environment of the paper machine wet section, Voith uses only duplex stainless steels for the roll sleeve. In combination with the optimized drilling patterns, these steels result in exceptionally long lifetimes. Precision-drilled holes in the roll shell enable uniform de-watering and minimize wet streaks. With the two most advanced gun-drilling machines in the world at its disposal, Voith has the technology to create any drilling pattern required in suction roll sleeves. The drilled holes offer a superlative surface finish within minimum tolerances.

The suction box for generating vacuum is optimized for minimal deflection and is made from stainless steel. It can also be supplied optionally in steel that is resistant to both rust and acid.

The suction roll drilling pattern is optimized to reduce noise. The excellent material properties of the sealing strip system guarantee a long service life. The sealing strip lubrication shower with self-cleaning nozzles extends the life of seal and shell and allows fresh water consumption to be reduced.

Optional equipment



InsiderJet high performance cleaning shower

InsiderJet is a high performance, axially-oscillating cleaning shower that features a number of self-cleaning needle jet nozzles, which maintain the suction roll shell cleanliness. This results in increased roll running times and longer service intervals.

HydroSeal sealing strip

HydroSeal is a sealing strip with integrated lubrication for all suction rolls. The patented design from Voith enables lubrication of suction rolls directly on each individual sealing strip. This leads to appreciable savings in water and drive power.



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