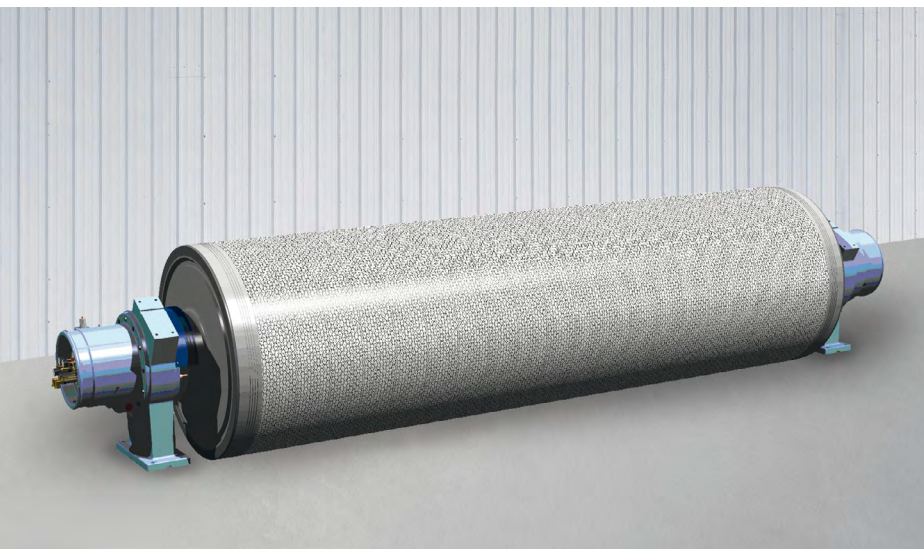


EvoFlow F

The suction forming roll for excellent formation



EvoFlow F – The customized solution

With the EvoFlow product portfolio, Voith has developed an optimized roll design for the specific application. The EvoFlow F forming suction roll located in the forming section of fast running paper machines is used for initial sheet formation. As the sheet forming takes place immediately after the stock has left the headbox, high demands are placed on the forming roll. The drainage capacity of this suction forming roll as a rotating drainage element is mainly determined by the diameter, the wire wrap angle and the vacuum level in the suction zone. Depending on the respective paper grade to be produced, Voith also offers customized patterns with counter-sunk holes and secondary structure, or honeycomb structures with optional shrink-on or metal sleeves.

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
- + High drainage capacity due to shrink-on honeycomb sleeve
- + Gentle web drainage with low marking sensitivity

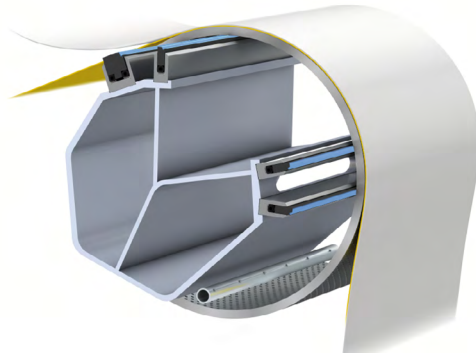
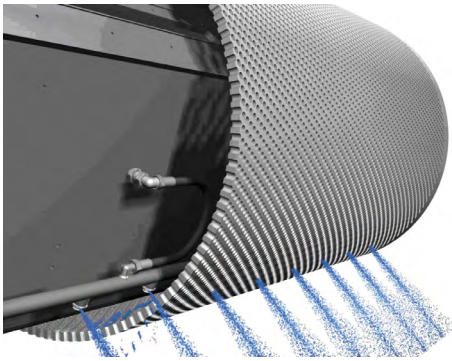
Use of high-quality material

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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