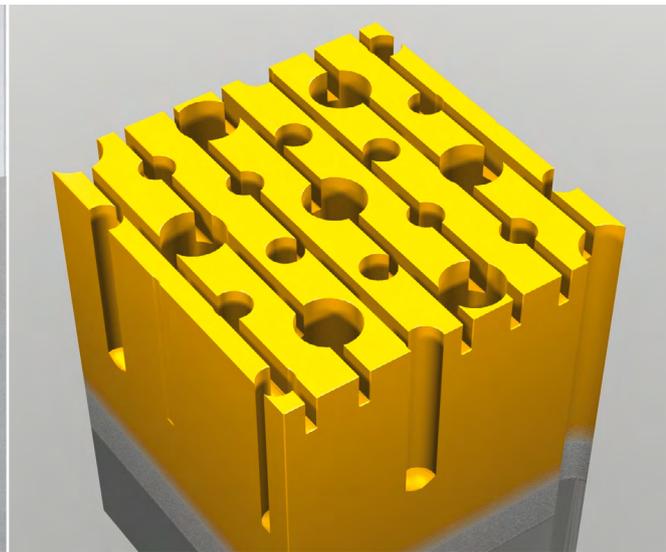
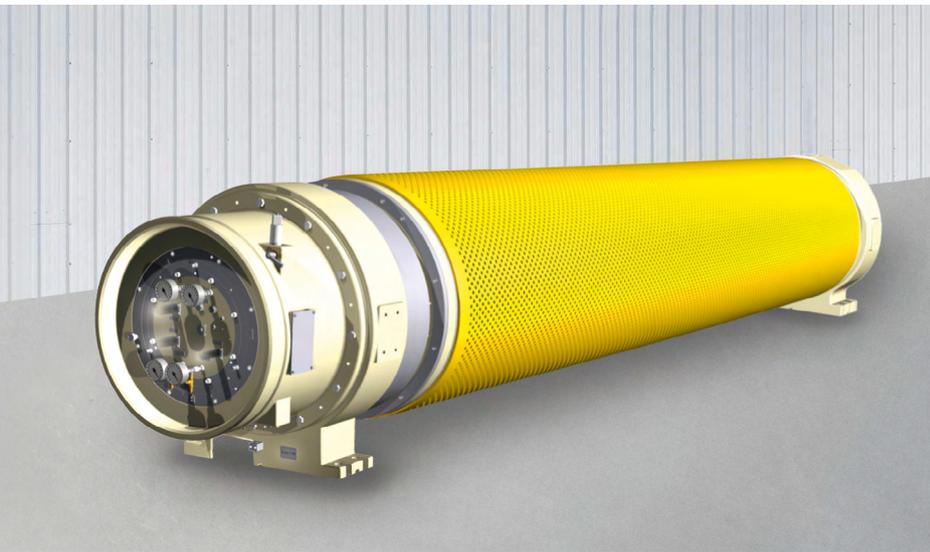


## EvoFlow P

### The suction press roll for intensive dewatering



#### **EvoFlow P – Optimum drainage, long service lifetimes**

With the EvoFlow product portfolio, Voith has developed an optimized roll design for the specific application. The EvoFlow P suction press roll was designed for the intensive dewatering of the web in the press section of a paper machine. This roll features proven shell materials that offer unmatched reliability and performance. When used in combination with a Voith Paper rubber or polyurethane cover, the EvoFlow P roll can achieve optimum drainage and long service lifetimes.

#### **All advantages at a glance**

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- + 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
- + Optimum drainage

### 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 dewatering 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.

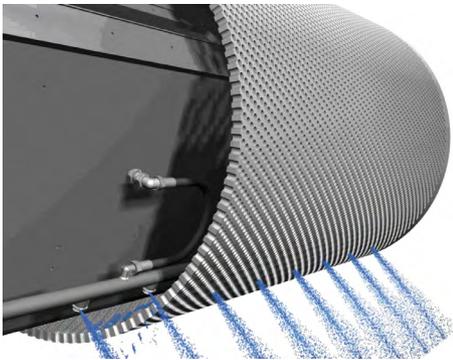
The suction box for generating vacuum is optimized for minimal deflection and is made from stainless steel. It can also

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.

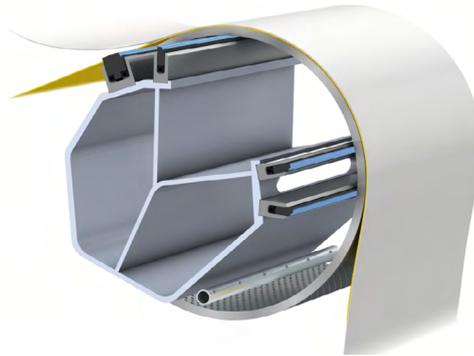
The polyurethane roll cover facilitates high dewatering capacity and functional reliability during production. The various design options featuring suction holes, blind-drilled holes and grooves mean it can be ideally matched to production requirements to ensure maximum dry contents.

### 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.



#### Contact

Asia: Kunshan, China	Tel: +86 512 577 61 858
Europe: Heidenheim, Germany	Tel: +49 7321 37 2487
North America: Wilson (NC), USA	Tel: +1 252 291 3800
South America: São Paulo, Brazil	Tel: +55 11 3944 4089

#### Further Information



[paper@voith.com](mailto:paper@voith.com)  
[www.voith.com/paper](http://www.voith.com/paper)

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