

Media Release

Voith Group

Mailing address:
Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-2320
www.voith.com

More efficient, safer and with lower emissions: Voith launches new infrared emitter HelioX on the market

2019-09-24

- Productivity increase thanks to output of up to 14 kW
- Gas consumption and emission values considerably reduced
- Reduced fire risk in the event of web breaks for improved safety

HEIDENHEIM, Germany. With its new gas-fired HelioX infrared emitter, Voith is offering a particularly efficient solution for contactless drying along with impressively low emissions. Not only can the new emitter be used to increase productivity, the reduced fire risk also improves safety in paper production.

The key component of the new HelioX infrared emitter is its incandescent body, which has a highly efficient ceramic structure with a notably large surface area. The special geometry ensures improved combustion, resulting in both higher drying efficiency and a 50 percent reduction in nitrogen oxide (NOx) and carbon monoxide (CO) emissions. These low emission values are becoming increasingly important in view of the German air pollution control regulations (TA Luft) and more stringent emission limits in various countries, so as to obtain long-term operating approvals.

The HelioX infrared emitter is designed for an output of 14 kW. Consequently, it achieves a better drying efficiency, which enables higher machine speeds and more flexibility to produce different paper grades, and as a result, increases the productivity of the plant. With up to 10 percent better efficiency, the emitter also leads to lower gas consumption, lower running costs and a reduced CO₂ footprint. Because of the low mass of the incandescent body, the HelioX infrared emitter offers a particularly fast heating up and cooling down time. This improves safety in production, as there is a much lower risk of fire in the event of web breaks. This means that the operating risk is also reduced, and shorter downtimes can be expected.

The gas-fired HelioX infrared emitter is now available. It can be used for contactless drying in any Voith paper machine and also in those of other manufacturers. It is also possible to use in other areas of application such as drying fiberglass mats or technical textiles.

About the Voith Group

The Voith Group is a global technology company. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, the company today has more than 19,000 employees, sales of € 4.2 billion and locations in over 60 countries worldwide and is thus one of the large family-owned companies in Europe.

The Group Division Voith Paper is part of the Voith Group. As the full-line supplier to the paper industry, it provides the largest range of technologies, services, components and products on the market and offers paper manufacturers solutions from one single source. The company's continuous stream of innovations takes papermaking to the next level and facilitates resource-conserving production. With its Servolution concept, Voith offers its customers tailored service solutions for all sections of the production process. Voith Papermaking 4.0 ensures that equipment is optimally connected, while the secure use of generated data enables paper manufacturers to improve plant availability and efficiency.

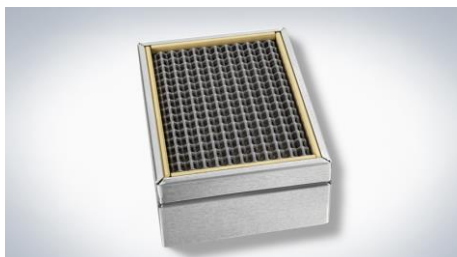
Voith Group

Mailing address:
Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-2320
www.voith.com

page 2 of 3



The new infrared emitter HelioX promises to deliver higher productivity with lower emissions and a reduced fire risk.



The design and highly efficient ceramic surface structure of the incandescent body ensure very homogeneous heat transfer, so that a maximum of energy is converted to infrared radiation.

Contact

Angelina Hegele
Group Communications
Voith GmbH & Co. KGaA
Tel. +49 7321 37-2320
Angelina.Hegele@voith.com

Voith Group

Mailing address:
Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-2320
www.voith.com

page 3 of 3

Twitter

<https://twitter.com/voithgroup>
https://twitter.com/voith_hydro
https://twitter.com/voith_paper
https://twitter.com/voith_turbo
https://twitter.com/Voith_Digital
https://twitter.com/Voith_Career

LinkedIn

<https://www.linkedin.com/company/voithgroup>
<https://www.linkedin.com/company/voith-hydro>
<https://www.linkedin.com/company/voith-turbo>
<https://www.linkedin.com/company/voith-paper>
<https://www.linkedin.com/company/voith-digital>
<https://www.linkedin.com/company/voith-robotics>

YouTube

<https://www.youtube.com/voithgroup>

Instagram

<https://www.instagram.com/voithgroup/>