

Pfeiffer Vacuum News

**Welcome to the new issue of our newsletter –
A service from your Pfeiffer Vacuum team!**

In this issue we will inform you about the following topics:

- The modular leak detector ASI 35: flexible and reliable
- Wendelstein 7-X - Energy production using nuclear fusion
- Extending the intervals between oil changes in rotary vane pumps
- Interview with Dr. Ulrich von Hülßen, Member of the Management
- Pfeiffer Vacuum has set standards in leak detection for 50 years
- Dates & Events

Your Pfeiffer Vacuum team

Vacuum solutions from a single source

The modular leak detector ASI 35: flexible and reliable

The ASI 35 modular leak detector is specially adapted to meet the requirements of machine builders and their end users. The modular design of this leak detector allows it to be integrated flexibly and easily into leak detection systems.

Further information about the product can be read [here](#).

Applications

Wendelstein 7-X - Energy production using nuclear fusion

Energy production using nuclear fusion is becoming increasingly important in the search for clean alternative sources of energy. Since as early as the 1950s of the last century, scientists all over the world have been attempting to use nuclear fusion for peaceful purposes. This process works perfectly in the sun, after all. However, imitating the extreme conditions that prevail there is proving a hard nut for physicists and engineers to crack.

[Lean more](#) about this application.

Tips and tricks from the experts

Extending the intervals between oil changes in rotary vane pumps

Rotary vane pumps have established themselves on the market for various applications in the low to medium vacuum range. Being an oil-sealed rotary displacement pump, it uses oil as operating fluid. This oil lubricates all moving parts and fills both the dead volume under the outlet valve as well as the narrow gap between the inlet and outlet. It compresses the gap between the vanes and the working chamber and additionally ensures an optimal temperature balance through heat transfer.

To ensure the proper function and the secure operation of a rotary vane pump, its oil needs to be checked and exchanged regularly. For learning how users of rotary vane pumps can proactively contribute towards extending the intervals between maintenance, click [here](#).

Further tips and tricks for the use and operation of vacuum technology and leak detection as well as interesting references and applications are available at our [vacuum solutions website](#).

Company

Interview with Dr. Ulrich von Hülsen, Member of the Management

Dr. von Hülsen, you became the new head of the 'Analytics & Industry' business unit and a member of the Management at Pfeiffer Vacuum GmbH in September 2015. Would you describe how you arrived at this point in life?

After my degree in physics at the universities of Freiburg and Göttingen, I went on to pursue a doctoral degree in the field of material science. This included studying thin layers and their surfaces in ultra-high vacuum environments, which was naturally done using turbopumps from Pfeiffer Vacuum. After my doctorate degree, I worked with ...

The interview can be read [here](#).

Did you know?

Pfeiffer Vacuum has set standards in leak detection for 50 years

In 2016, Pfeiffer Vacuum is celebrating 50 years of its leak detectors. It was in 1966 that the first helium leak detector ASM 4 designed and engineered in-house was patented and launched. The launch of this product was an important milestone for the industry.

The complete press release can be read [here](#).

Dates & Events

Pfeiffer Vacuum presents vacuum solutions at the following trade shows:

- ARABLAB, Dubai / United Arab Emirates, March 20 - 23, 2016
- China Glass, Shanghai / China, April 11 - 14, 2016
- Vacuum Tech Expo, Moscow / Russia, April 12 - 14, 2016
- Analytica, Munich / Germany, May 13 - 10, 2016

You are not able to visit the exhibition but you want to be informed about our exhibition appearance? Visit us on facebook! We will show you our best exhibition impressions.

www.facebook.com/PfeifferVacuum.

Feedback

We hope you enjoy reading our newsletter and are looking forward to receiving any feedback and/or suggestions.

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Pfeiffer Vacuum stands for innovative and custom vacuum solutions worldwide, for technological perfection, competent advice and reliable service.

Please visit us at www.pfeiffer-vacuum.com.

Our Internet pages offer all information on our products and the company as well as the share.

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