

Pfeiffer Vacuum introduces extremely quiet, dry pumps

- **Dry vacuum pumps**
- **Best in class for noise level**
- **Intelligent pump controls**

Asslar, March 16, 2020. The HiScroll models from Pfeiffer Vacuum's new range of scroll pumps are oil-free, hermetically sealed vacuum pumps with high nominal pumping speeds of 6 to 20 m³/h. The new pumps are characterized by their compact design and quiet, low-vibration operation (<47 dB[A], and <42 dB[A] in stand-by mode).

Excellent water vapor tolerance thanks to the two stage gas ballast. As a result condensation in the vacuum pump is avoided. With these features, the pumps are ideal for use in many applications in analytics, biomedicine, pharmaceuticals and research and development. They are used in mass spectrometry, electron microscopy, surface analysis, accelerators and laboratory applications, but also in the semiconductor industry, coating processes and gas recovery.

The HiScroll's active temperature control ensures optimal cooling and guarantees the lowest noise level. Jürgen Keller, Pfeiffer Vacuum Market Manager for Analytics says: "We are proud of the fact that our new scroll pumps have the lowest noise emissions in their class. These dry pumps can also be easily connected to other Pfeiffer Vacuum products, such as turbopumps, or operated by higher-level controls via the RS-485 or ProfiNet interface. We drive sustainable solutions and help to reduce the environmental impact and carbon footprint with our new engine concept".

An intelligent interface makes it possible to define specific pressure ranges or a rotation speed setting mode, so that the pump can be optimally adapted to suit the application. This minimizes wear in the pump resulting in longer to service time intervals. The proven quality of Pfeiffer Vacuum products with first-class, durable components also ensures a long service life as well as lower operating costs. The pumps are easy to maintain, which not only reduces the time to service but also ensures the highest level of reliability. The integrated safety valve and the self-regulating operation of the pump guarantee safe and reliable use.

The powerful motor is up to 15% more efficient than conventional drives. This ensures outstanding performance while keeping temperatures low, which in turn simplifies the cooling of systems and plants.

The new generation of scrollpumps – a perfect solution for your needs: