

Press Release

HiPace™ M

May 2010

Compact, magnetically levitated turbopumps

Pfeiffer Vacuum has brought to market a new series of magnetically levitated turbopumps named HiPace M. They cover pumping speeds of 300, 700 and 800 liters per second and achieve high compression ratios for all gases. These pumps are characterized by their high flexibility in all installation orientations. A special rotor design affords unlimited rotor service life and dependable operation. Moreover, achievement of Protection Class IP 54, enables these pumps to be employed in industrial environments. The low dynamic magnetic field does not interfere with even highly sensitive nearby equipment. This makes these pumps ideally suited for the stringent requirements of analytical applications. Their broad spectrum of applications includes the analytical industry, coating and semiconductor technology, as well as a variety of applications in research & development and industry.

Integrated electronic drive unit. Optimum integration

The integrated electronic drive unit in the HiPace M reduces the need for costly and cumbersome cabling. Innovative technologies have significantly reduced the power consumption of the drives – a further step toward energy conservation. And runup time, too, has been reduced. This means that the pumps can return to service even faster. Their functional aluminum housings make these pumps extremely light weight. An optional sealing gas connection safeguards the bearings against particulate matter or oxidizing gases. This makes for optimum integration capability. And the quiet, low-vibration operation of these pumps is setting new standards.

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Profile Pfeiffer Vacuum

Pfeiffer Vacuum is one of the world's leading manufacturers of components and systems for vacuum generation, measurement and analysis. Ever since the invention of the turbomolecular pump by Pfeiffer Vacuum, the company has stood for innovative solutions and high-technology products that are used in the analytical segment, in research and development, environmental technology, chemistry, semiconductor production and coating technology, as well as in the automotive industry and any number of further sectors. Founded in 1890, Pfeiffer Vacuum is today together with Trinos Vakuüm-Systeme active throughout the world with a workforce of some 870 people as well as 13 subsidiaries and over 20 agencies. Further information is available at www.pfeiffer-vacuum.de