Press Release

Oerlikon Barmag at UTECH North America 2016

Metering under more difficult conditions

Remscheid, March 01, 2016 – Oerlikon Barmag gear metering pumps are deployed in technical systems within chemicals, plastics, dyes and lacquers industries as well as in PUR applications around the globe. The Oerlikon Barmag pump experts will be presenting the division's comprehensive technology and efficient solutions for demanding applications to an international trade audience in Charlotte, USA, on April 6 and 7 (Hall C, Stand 824).

GM pumps – the experts for chemical applications
The GM range pumps are predominantly deployed in chemical applications. They are available for conveying volumes of between 0.05 and 200 cm^3/rev. Among other things, they are characterized by short flow channels. Their specialty is the highly-accurate metering of chemical fluids under high pressures, even under the most challenging conditions, such as in the case of thin or toxic media, for example.

The square design from the GM series is the standard pump for many metering tasks. The expanded series, which now includes round designs, opens up a whole range of further application possibilities. The O ring seal in the plate package prevents leaks, for example. As an option, the round GM pump can be equipped with slide ring seal or magnetic coupling. Furthermore, it can be finished with various materials and coatings.

The development of the multi-stage pump expands the applications range for the GM series considerably. The round 2-stage GM pump has been developed especially for use in high-pressure technology. It masters the particular challenge of conveying small throughputs with low viscosities. The multi-stage GM pump conveys low-viscosity media (i.e. 250 bar, 100 mPas) even under high pressure and in the most challenging conditions.

Toughness is their specialty
Complementing the GM range, Oerlikon Barmag will also be exhibiting the GA range of pumps for conveying (filled and unfilled) media with higher viscosities at the UTECH. GA pumps are predominantly deployed in silicon processing and in hot-melt adhesive applications, but also in the processing of resins, polyurethanes and other liquids with higher viscosities. They are suitable for conveying volumes between 1.25 and 30 cm^3/rev and are designed for pressures of up to 200 bar. With this, they offer tailor-made solutions for applications requiring accurately-defined, even metering.

371 words

Caption:
The GA pump’s plate package with centering bushing permits easy assembly and disassembly.

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About Oerlikon
Oerlikon (SIX: OERL) is a leading global technology Group, with a clear strategy of becoming a global powerhouse in surface solutions, advanced materials and materials processing. The Group is committed to investing in value-bringing technologies that provide customers with lighter, more durable materials that are able to increase performance, improve efficiency and reduce the use of scarce resources. A Swiss company with over 100 years of tradition, Oerlikon has a global footprint of over 13 500 employees at more than 170 locations in 37 countries and sales of CHF 2.7 billion in 2015. The company invested CHF 103 million in R&D in 2015 and has over 1 350 specialists developing innovative and customer-oriented products and services.

For further information: www.oerlikon.com

About the Oerlikon Manmade Fibers segment
With its Oerlikon Barmag and Oerlikon Neumag brands, Oerlikon Manmade Fibers segment is the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems and artificial turf systems and – as a service provider – offers engineering solutions for the entire textile value added chain. As a future oriented company, the research and development at this division of the Oerlikon Group is driven by energy-efficiency and sustainable technologies. With the expansion of the product range to include polycondensation systems and their key components, the company now caters to the entire process – from the monomer all the way through to the textured yarn. The primary Oerlikon Barmag markets are in Asia, and – for Oerlikon Neumag – in the USA, Turkey and China. Correspondingly, Oerlikon Barmag and Oerlikon Neumag – with just under 2,500 employees – has a worldwide presence in 120 countries as part of the Oerlikon Manmade Fibers network of production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster and Chemnitz, highly-qualified engineers and technicians develop innovative and technologically-leading products for tomorrow's world.

For further information: www.oerlikon.com/manmade-fibers