MEDIA RELEASE

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Extended cooperation of Sulzer and SGL Group for column internals

Sulzer Chemtech, market leader for separation and mixing technology, and SGL Group, a worldwide leading manufacturer of carbon made products, are expanding their cooperation in the field of column internals based on SGL's carbon fiber composite materials (CFC) going by the brand name SIGRABOND®.

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Carbon and graphite products are used whenever other materials such as steel, aluminum, copper or plastic fail due to their limited material properties like for example temperature and corrosion resistance. In addition to the CFC structured packing that has already been marketed successfully under the Sulzer brand name MellaCarbon™, the existing CFC column internals portfolio – mainly support systems – is now completed with liquid distributors, collectors and feed pipes made of SIGRABOND®.

"The new column internals, introduced under the brand name MellaCarbon™, are as corrosion-resistant as graphite liquid distributors used to date, but are at the same time lighter, stronger, stiffer, more rigid and more temperature resistant than plastics and have lower cost than special metals. An innovative connection system enables the realization of larger diameters and allows cost efficient production," explains Ralph Spuller, SGL project manager for the cooperation project.

In recent months, more than 30 new CFC liquid distributors have been designed, manufactured and successfully commissioned for industrial applications – often with the associated MellaCarbon™ packings, support grids and feed tubes. This is the first time that a complete family of CFC based column internals has been made available to customers of the cooperation partners worldwide. The often-difficult combination of materials, especially for corrosive applications, is no longer necessary.

At Achema 2018 visitors will have the opportunity to see the new internal column exhibit on both companies' booths: Sulzer hall 4.0, stand D48 and SGL hall 4.0, stand F26.

About Sulzer

Sulzer's core strength is flow control and applicators. We specialize in pumping solutions, services for rotating equipment, as well as separation, mixing and application technology. The Chemtech division is represented in all important industrial countries and sets standards in the field of mass transfer and static mixing with its advanced and innovative solutions. The product offer ranges from process components (fractionation trays, structured and random packings, liquid and gas distributors, gas-liquid separators, and internals for separation columns) to complete separation process plants, modular plants (skids) in particular. The customer support covers engineering services for separation and reaction technology (conceptual process design, feasibilities studies, plant optimizations including process validation in the test center) and tower field services performing tray and packing installation, tower maintenance, welding, and plant turnaround projects. Our customers benefit from a network of over 180 production and service sites around the world. Sulzer has been headquartered in Winterthur, Switzerland, since 1834. In 2016, we achieved sales of roughly CHF 2.9 billion with around 14 000 employees. Our shares are traded on the SIX Swiss Exchange (SIX: SUN). www.sulzer.com

About SGL Group

SGL Group is one of the world's leading manufacturers of carbon-based products and materials. It has a comprehensive portfolio ranging from carbon and graphite products to carbon fibers and composites. SGL Group's core competencies are its expertise in high-temperature technology as well as its applications and engineering know-how gained over many years. These competencies enable the company to make full use of its broad material base. SGL Group's carbon-based materials combine several unique properties such as very good electrical and thermal conductivity, heat and corrosion resistance as well as high mechanical strength combined with low weight. Due to industrialization in the growth regions of Asia and Latin America and increased substitution of traditional with innovative materials, there is a growing demand for SGL Group's high-performance materials and products. Products from SGL Group are used predominantly in the automotive and chemical industries as well as in the semiconductor, solar and LED sectors and in lithium-ion batteries. Carbon-based materials and products are also being used increasingly in the wind power, aerospace and defense industries. With 32 production sites in Europe, North America and Asia as well as a service network covering more than 100 countries, SGL Group is a company with a global presence. In 2016, the Company's workforce of around 4 000 employees generated sales of €769.8 million. The Company's head office is located in Wiesbaden. Further information on SGL Group can be found in SGL Group's newsroom at www.sglgroup.com/press or at www.sglgroup.com.

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