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SIGRAFLEX®

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Latest SIGRAFLEX® product innovation: SIGRAFLEX iNXT graphite gasket sheet with innovative antistick surface finish

Operators of chemical, petrochemical and power plants, as well as gas suppliers need gaskets that enable safe operation, reduce emissions, and lower total operating costs. Special requirements are placed on both leak tightness, on the one hand, and anti-stick properties are essential, on the other hand. A good gasket release is key, i. e. removing the gasket with as little residue as possible to keep maintenance work short and costs low.

This year, at ACHEMA 2022, the SIGRAFLEX Sales team was able to present a product innovation: The new SIGRAFLEX iNXT stainless steel-reinforced gasket sheet, which features a special surface finish that improves antistick properties, and a next-generation impregnation to reduce leakage.

SIGRAFLEX products have a long history of providing the best possible release behavior from the flange. Since the launch of SIGRAFLEX UNIVERSAL in 1983, SGL Carbon has offered reinforced SIGRAFLEX gasket sheets on the market with an antistick impregnation. Over time, many other sheet products have been added that also feature this type of surface finish, such as SIGRAFLEX STANDARD, HOCHDRUCK, HOCHDRUCK PRO, UNIVERSAL PRO and SELECT. As they are better in terms of antistick properties than comparable products in the industry, well-known end users have been using these materials ever since.

In 1998, the SIGRAFLEX sheet portfolio was expanded to include SIGRAFLEX MF. A special and unique product, for its production a new antistick technology was developed. To this day, it is the best-in-class material when it comes to minimum leakage (TA Luft compliance), best separating behavior, maximum safety, and process cleanliness.

Nevertheless, the SIGRAFLEX team does not rest on its laurels: always with the aim of offering customers added value, the team works continuously to develop new products or



SIGRAFLEX iNXT
graphite gasket sheet and gasket

improve existing ones, and to identify new materials and manufacturing processes.

The work of Jürgen Bacher and Thomas Kirschbaum with the energetic sales support of Martin Reinthaler and Rainer Zeuß finally led to success once again.

Surface coating and finishing has always been a dominant topic in SIGRAFLEX development, and with SIGRAFLEX iNXT we were able to expand the portfolio to include a TA Luft compliant gasket sheet with an alternative antistick technology. This gives our customers an even more comprehensive choice from which to select the optimum product for their application.

SGL Carbon offers the broadest and high-quality graphite sheet portfolio in the market, which best serves the diverse needs of end users.