

Sustainable solutions at the Hannover Messe

LAPP with lead-free SKINDICHT® portfolio

***Stuttgart, 20 April 2022* – LAPP is expanding its portfolio of lead-free cable gland solutions. At Hannover Messe (hall 11, stand C03), the company will be presenting its lead-free SKINDICHT® LF conduit gland accessories.**

Just over two years ago, the global market leader for integrated solutions in the field of cable and connection technology presented the world's first SKINTOP® conduit glands made of lead-free brass. LAPP aims to offer its customers sustainable and future-oriented product alternatives. The reason for this is that the European Commission is working on new material regulations in the European RoHS directive (Restriction of Hazardous Substances). Experts assume that this directive will prohibit the use of lead in copper alloys, such as in the manufacture of conduit glands. Previously, there was an exception for this, which allowed a figure of up to 4%. In addition, the REACH Chemicals Regulation (Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) also includes lead on the list of “Substances of very high concern” (SVHC) which could be banned in the future. Although RoHS and REACH originate in Europe, they also have a major influence on international directives that apply in the USA (California list) or China (RoHS directive).

Lead-free is coming

LAPP did not want to wait until the addition of lead was officially prohibited. “Particularly for global manufacturers, who rely on a long service life for machines and systems and whose value chains are cross-country, it is essential to prepare and plan at an early stage”, emphasised Sebastian Maier, Product Manager at U.I. Lapp GmbH.

New SKINDICHT® portfolio

As a supplement to the common **SKINTOP® MS-M und MS-SC-M models** as well as the **SKINDICHT® SM-M** lock nut in metric sizes M12 to M63, LAPP is now launching its comprehensive SKINDICHT® lead-free series. These are blanking plugs, reducers, enlargers, adapters or lock nuts, because the accessories for

conduit glands also need to be produced completely without the addition of lead in the long term. All lead-free product alternatives with LF marking in the item number have the same product properties as the previous variants with low lead addition.

The new SKINDICHT® portfolio includes the adapter called **SKINDICHT® MA-PG/M**. It enables an easy transition from a PG outer thread to a metric inner thread, withstands temperatures of up to +200°C and is designed for PG36 or M40 thread sizes.

For closing an unused metric threaded boreholes on the housing, there are blanking plugs called **SKINDICHT® BL-M** (up to +200°C) and **SKINDICHT® BL-M hex** (up to +100°C). Both can withstand high chemical and mechanical loads, are also suitable for outdoor use and allow easy assembly with a slotted screwdriver or wrench. With the **SKINDICHT® BL-M hex**, a mounted O-ring enables the thread/through bore to be liquid-tight and therefore a higher protection class (up to IP 68).

The reducer **SKINDICHT® MR-M** corrects the size difference between the connection thread of a conduit gland and the threaded borehole in a housing. It provides flexibility in selecting a conduit gland, as this is independent of the threaded boreholes in the housing. There is also the **SKINDICHT® MR-M hex** variant with mounted O-ring that enables the higher protection class (IP).

With a metric conduit gland with a smaller connection thread than the existing threaded boreholes, the **SKINDICHT® ME-M** enlarger is used. It corrects the size difference and also withstands high chemical and mechanical stress.

For applications where electromagnetic compatibility (EMC) is extremely important, the **SKINDICHT® SM-PE-M** lock nut is used. It allows for the optimum contacting of a coated housing to protect against electromagnetic interference and for equipotential bonding. Contact is very easily achieved when the lock nut is tightened through the cutting edges that scratch the coated surface of the housing.

Sebastian Maier: "We recommend our customers to get involved in the upcoming material change at an early stage. Our sustainable lead-free cable gland portfolio already offers the opportunity to meet future REACH/RoHS requirements. Because lead-free will come!"

Images and graphics

For this press release, you will be provided with digital images in printable resolution. The photos may be used free of charge. No graphical editing is permitted, with the exception of the release of the main theme.



SKINDICHT®

LAPP now also has a lead-free SKINDICHT® LF conduit gland accessory

Photo: LAPP

You can download the image [here](#).

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About LAPP

Headquartered in Stuttgart, Germany, LAPP is a leading supplier of integrated solutions and branded products in the field of cable and connection technology. The company's portfolio includes standard and highly flexible cables, industrial connectors and screw technology, customised system solutions, automation technology and robotics solutions for the intelligent factory of the future, as well as technical accessories. LAPP's core market is in the industrial machinery and

plant engineering sector. Other key markets are in the food industry, logistics, as well as the energy and the mobility sector.

The company was founded in 1959 and is still fully owned by the founding family to this day. In the 2020/21 financial year, it generated a consolidated turnover of EUR 1,423 million. LAPP (including its non-consolidated companies) currently employs approximately 4,586 people across the world, produces at 21 international sites and has over 44 sales companies. LAPP also cooperates with around 100 international offices.

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