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NORRES: New "Industrial Hoses Manual" now available!

NORRES product range given a new look in a new catalogue

The new "Industrial Hoses Manual" from NORRES Schlauchtechnik GmbH & Co. KG is now available. Printed in a handy, compact format, it contains all essential information about NORRES industrial hoses and hose systems for a wide range of applications. With its clear and simple structure and an innovative design that makes navigation easier than ever, the catalogue is an informative guide to industrial hoses of all kinds. It offers fast and practical assistance for all users in search of the optimal hose solution.

The individual product pages provide information about applications, temperature ranges, properties, materials, options and accessories. A series of so-called "hotspots" are an additional source of knowledge about selected NORRES products and the company itself.

Readers keen to discover more can find detailed product descriptions and further technical data on www.norres.com.

NORRES innovations

NORRES Schlauchtechnik's new "Industrial Hoses Manual" introduces various recent innovations. The NORRES product range has been extended not only with connectors like the **NORCONNECT 230 Storz** or the **NORCONNECT 231** and **232** but also with new hose types: in addition to the **PROTAPE® PUR 370** super-light, braided suction and blast hose, the portfolio now also includes the **CP PTFE-INOX 475 EC** electrically conductive suction and blast hose for use in hazardous areas. This latter hose is extremely resistant to chemicals and ideally suited for transporting aggressive media such as dust, gases and vapours. Another new product listed in the "Industrial Hoses Manual" is the **AIRDUC® PUR-INOX 351 MHF-AS** antistatic suction and transport hose with optimised flow properties for the food and pharmaceutical industries.

NORRES sustainability

Sustainability is an increasingly important issue at NORRES Schlauchtechnik. Durable products which simultaneously protect the environment and reduce the costs of ownership testify to the company's commitment to the future. All NORRES products in the new "Industrial Hoses Manual" that are identified with the GREEN icon are either manufactured from a bioplastic derived from renewable raw

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materials as standard or available in a bioplastic version. The share of the bioplastic is in the region of 20 to 50%, depending on the hardness and the nature of the synthetic material. The mechanical properties and chemical resistances of bioplastic raw materials are not significantly different from those of the standard NORRES types, and they represent an altogether competitive option.

Moreover, several NORRES hoses are made using raw materials with a low environmental impact based on the life cycle assessment (LCA), in other words with a good ecobalance. The focus is on bioplastic monomers derived from renewable raw materials for polyesters, polyamides, polyurethanes and vinyl polymers. Hoses produced using these materials are offered as an alternative to the standard products. The **AIRDUC® PVC 345**, **AIRDUC® PUR 350 MHF** and **AIRDUC® PUR 355** are among those bearing the GREEN icon.

Many hoses in the NORRES catalogue are manufactured without added phthalates. Some phthalates are already banned because they are detrimental to health. Phthalates are mainly used as softeners for PVC. NORRES hoses like the **PROTAPE® PVC 310**, **AIRDUC® PVC 345** and **NORPLAST® PUR 385** are marked with the "**FREE OF PHTHALATE**" symbol and are 100% free of phthalates.

NORRES services at a glance

NORRES Schlauchtechnik is a global player and a leading manufacturer of industrial hoses, hose systems and other innovative, high-performance plastic products. NORRES innovations and standard products are designed to solve even the most complex technological challenges. All research and development activities are systematically integrated with the company's in-house Engineering department, which identifies the optimal solution for any technical specification. Thanks to an ongoing optimisation process, NORRES products can be adapted to the latest technological and legal requirements without any problems.

NORRES claim is simple but strong: to offer its customers the best possible added value. Sustainable, high-quality products combined with operational excellence help keep their maintenance and process costs to a minimum. A broad product range, a spacious warehouse with capacity for more than a million metres of hose plus a million component parts and a 24-hour delivery service add up to high availability and prompt shipment for all NORRES products. NORRES' acknowledged consulting expertise is valued by all customers seeking the perfect product for their respective application.

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