

PRESS RELEASE

swepro protection sleeves ensure safe compressed air application

13.01.2016 – The swepro Group has developed special stainless steel and plastic protection sleeves for compressed air nozzles in order to optimise industrial compressed air applications. The new POM plastic sleeve can be used to prevent damage and scratches on sensitive work pieces during the compressed air application. The stainless steel protection sleeve protects the nozzle from abrasion if it comes into contact with scratch-resistant surfaces.

The swepro Group presents new protection sleeves for compressed air nozzles. The stainless steel protection sleeve protects the nozzle from abrasion and damage if it comes into contact with scratch-resistant surfaces. It was designed in such a way that the nozzle is supplied with circulating air through the side openings so that the Venturi principle on the nozzle continues to function and both blowing form and blowing force are sustained. The plastic sleeve, made of polyoxymethylene (POM) has the same structure. The difference between the two lies in the 'softer' material. POM is a special plastic that is recognised as an excellent material for applications that demand high performance under extreme conditions because of its high stability and excellent sliding and abrasion characteristics.

Custom designs for individual applications

The new protection sleeves can be produced for any nozzle form and application. For example a renowned car supplier commissioned the swepro Group with the development of a special protection sleeve to improve product quality. Value reduction was occurring increasingly in production units during the cleaning of axes and gear parts because the work pieces that needed to be blown off were subject to substantial scratching and damage. After an intensive analysis phase the experts of the swepro Group developed a special protection sleeve design in POM that acts as a buffer to effectively protect the material being processed and ensure product quality.

Extraordinary resistance and wide-ranging application

The stainless steel and POM protection sleeves by the swepro Group are used in many industrial sectors – from traditional engineering through to high-tech applications in the aviation, chemical, motor vehicle and electronics industries. Carsten Becker, Head of Sales at swepro Group, is familiar with the challenges that occurred in the development of the protection sleeves and tells us: "We needed to precisely coordinate the selection of design and material with our customer's requirements. The protection sleeves need to withstand enormous thermal and mechanical loads. The POM protection sleeve, for example, is characterised by great stability, hardness and rigidity in a wide range of temperatures. Good slip properties and good electrical insulation properties round off the profile."

About the swepro Group:

swepro has been known as a specialised supplier for compressed air technology in Europe for more than 30 years. As the exclusive partner of SILVENT AB of Sweden this company, headquartered in Neuss, has become known for modern, safe and efficient products and for intensive customer support. Furthermore swepro also offers its customers individual product solutions beyond its comprehensive standard delivery range. All swepro products convince their customers with long service lives, low maintenance levels and the highest levels of work safety.

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Appendix:

Product photo: POM plastic sleeve and stainless steel protection sleeve



The appendix is unrestricted for editorial use.