**The new HASCO stainless steel temperature control range**

Effective mould cooling is one of the most important aspects of the production process for technical plastic parts. Only with an optimally designed cooling system is it possible to run production in a cost-efficient and highly profitable manner. The requirements on present-day mould cooling have risen not only in terms of functionality but also with regard to the maximum temperatures and flow volumes employed and the effectiveness of the cooling system.

The constantly growing demands on mould cooling are accompanied by an ever-increasing need for stainless steel components. Applications in the fields of medical technology and cleanroom environments call for a clean and reliable temperature control system.

The new HASCO cooling range in stainless steel ensures the reliable cooling of injection moulds when using hot or cold water or heat-transfer oil. Manufactured entirely from high-quality 1.4305 material, the robust, safe and easily coupled HASCO system guarantees reliable, absolutely leak-proof and durable temperature control applications, including in clean room environments.

The standard temperature components in stainless steel are equipped with optimised FKM quality seals and can be used at temperatures of up to 150°C for water and 200°C for oil.

With high-temperature applications, in particular, the different coefficients of thermal expansion of steel and brass result in small leaks from time to time, which are offset by the new stainless steel range. There is no need for time-consuming additional sealing and the safety of the process is guaranteed throughout. HASCO additionally offers stainless steel HT components specifically for the high-temperature range, which are equipped with special FKM seals allowing permanent maximum operating temperatures of 180°C for water and up to 220°C for oil.

The low compression set of the sealing rings guarantees their optimum and safe use with changing operating temperatures. Failures and leaks are reliably avoided.

The new HASCO temperature control range in stainless steel includes more than 30 product groups offering the greatest possible flexibility for customers and their applications. Its compatibility with the standard range allows the optimisation of existing moulds, switching from brass to stainless steel, and enables combinations with standard components, where required.

The component selection has been specially adapted to market requirements. It includes products such as hose clips, sealing plugs and diverting bridges, as well as couplings and connectors. The proven Pushlok range and the safety couplings established on the market round off the extensive HASCO portfolio.

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