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Press release**Coperion and Coperion K-Tron at Interpack 2017****Smart Solutions for Efficient Processing and Packaging**

Stuttgart, April 2017 – At this year's Interpack (May 4-10, 2017) Coperion and Coperion K-Tron will be presenting their solutions for processing and packaging at their booth 4D29 in hall 4. Coperion presents a EHEDG-certified WYK diverter valve and a CIP-compatible (clean-in-place) ZRD 150 hygienic rotary valve. Also on display are Coperion K-Tron's manual bag dump station for clean and dust-free unloading of bulk materials from bags as well as KT20 twin screw loss-in-weight feeder for accurate feeding of free-flowing to poor-flowing materials and a P10 vacuum sequencing central receiver which ensures easy and hygienic refilling of feeders. Visitors can also find out more about our extrusion and packaging solutions.

Hygienic components for highest requirements

Coperion will exhibit a ZRD 150 hygienic rotary valve in CIP design at Interpack. The ZRD is used in pneumatic conveying systems and for the discharge of powdered and pelletized materials. The EHEDG-certified valve can be used in the food, pharmaceutical and chemical industries for applications demanding even the highest degree of hygiene and cleanliness. In addition, they are distinguished by their extreme reliability in operation. As these rotary valves can be readily inspected and also cleaned quickly and thoroughly, they are ideal for applications involving frequent changeovers from one product to another and/or for processing products with adhesive tendencies. Parameters such as particle size, cohesion and adhesion influence the flow properties of bulk materials and therefore also the correct design and layout of bulk material handling components. The ZRD hygienic rotary valve offers an extra-large inlet for high throughputs and is suitable for pneumatic conveying up at up to 1.5 bar(g) [21 psi]. The rotary

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valves are smooth-surfaced, free of dead spots, and manufactured completely in stainless steel. The fully-automatic CIP capability saves time on cleaning and therefore reduces costs. Coperion also presents a WYK diverter valve which is also made of stainless steel. It is available in hygienic CIP design, suitable for wet cleaning, and can be installed in conveyor lines and downpipes up to 5 bar(g) [73 psi].

Bag Dump Station for Dust-Controlled Environment

For the feeding of bulk materials into the process, Coperion K-Tron will exhibit a manual bag dump station. Coperion K-Tron manufactures bag dump stations in various configurations. The equipment is designed to meet strict hygiene requirements and is optionally available with CIP cleaning systems or a fluidizing cone. The fluidizing cone is made from FDA-approved rubber and improves the material flow. This bag dump station is outfitted with a Coperion ZXD 200 rotary valve with FXS (Full Access System) for optimal chamber emptying, featuring a specially designed blow-through channel, ideal for poorly flowing products, and an especially large inlet for high throughputs.

High Accuracy Loss-in-Weight Feeder

Also on display at Interpack is Coperion K-Tron's KT20 twin screw loss-in-weight feeder. This high accuracy loss-in-weight feeder ensures precise feeding into the downstream process step. The complete feeder is continuously weighed by the highly accurate D5 platform scale and the weight loss rate regulated such that the desired feed rate is achieved and the direct supply of the product into the extruder is guaranteed. The modular screw feeders are available with a variety of interchangeable components. Single screw feeders are suitable for free-flowing materials, such as pellets. Twin screw feeders are used for poor-flowing materials, such as pigments, sticky or flooding powders and fibers.

P10 Vacuum Sequencing Central Receiver

The Coperion K-Tron P10 vacuum receiver provides a sanitary solution for difficult conveying applications. The sanitary design is perfect for applications in the food and pharmaceutical industries. The P-Series receivers are constructed of stainless steel and features include steep

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cone angles to ensure excellent discharge and band clamps for quick disassembly. With the choice of various discharge valve types the P10 can be used for conveying only applications such as hopper loading, as well as loss-in-weight feeder refill applications. Conveying rates vary depending on model, product characteristics and conveying distances. Typical materials include flakes, free-flowing to poorly flowing powders, and materials requiring gentle conveying.

Solutions from single components to complete systems

Coperion and Coperion K-Tron have comprehensive system and process expertise and offer tailored solutions from single components to systems which encompass all the steps in the process. A variety of equipment designs are available depending upon the specific needs and hygienic requirements of the application. The systems and equipment provided ensure optimal product and process safety, including compliance with EHEDG, FDA, FSMA and/or GFSI initiatives, standards and regulations. Learn more about our systems, Coperion extruders and packaging solutions at interpack 2017.



EHEDG-certified rotary valve can be used in pneumatic conveying systems and for the discharge of powdered and pelletized materials.

Bild: Coperion, Weingarten, Germany

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Bag Dump Station in hygienic design for feeding of bulk materials into the process

Image: Coperion K-Tron, Niederlenz, Switzerland

Coperion is the international market and technology leader in compounding and extrusion systems, feeding and weighing technology, bulk materials handling systems and services. Coperion designs, develops, manufactures and maintains systems, machines and components for the plastics, chemicals, pharmaceutical, food and minerals industries. Within its four divisions – Compounding & Extrusion, Equipment & Systems, Materials Handling and Service – Coperion has 2,500 employees and nearly 30 sales and service companies worldwide. Coperion K-Tron is part of the Equipment & Systems division of Coperion. For more information visit www.coperion.com or email info@coperion.com.

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