

April 2016

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Press release

Coperion and Coperion K-Tron to Exhibit at the International Powder & Bulk Solids Conference & Exhibition, Rosemont, Illinois, May 3 – 5, 2016 Booth #1413

Salina, Kansas, USA April 2016 – Coperion and Coperion K-Tron formally announce exhibition at the International Powder & Bulk Solids Conference & Exhibition, Donald E. Stephens Convention Center, Rosemont, Illinois, May 3-5 – Booth 1413. The booth will feature feeding, pneumatic conveying and systems engineered solutions for various processing applications in the food, pharmaceutical, plastics and chemical industries.

The booth will display a new compact stainless steel rotary valve ZZB which was developed for small capacities and high sanitary needs. The interior and exterior polished surfaces prevent undesired product deposits. With the standard extraction device, the rotor can be easily removed from the housing. Easy to open tri-clamp flange connections at both inlet and outlet simplify installation and maintenance. The ZZB is available in two sizes: 80 mm [3 in] and 100 mm [4 in] (inlet and outlet) and is suitable for use in ATEX zones.

Debuting at the Powder Show is our newest development – the Electronic Pressure Compensation (EPC) System. This system is designed for high-accuracy Coperion K-Tron loss-in-weight feeders. Coperion K-Tron has developed a clever but simple electronic solution for accurate and steady pressure compensation in feeder hoppers. The modular design incorporates pressure sensors and electronics tailored to interact smoothly with Coperion K-Tron's KCM feeder control system. Retrofitting options for existing feeders are available. EPC can be installed on a majority of Coperion K-Tron gravimetric feeders in almost any application and all industries.

April 2016

The Coperion K-Tron Dense Phase Demo System featuring transparent tubing will be a highlight to the booth since it will allow booth guests to see firsthand how dense phase conveying works. The Dense Phase System will be constructed to allow guests to watch particle flow through this unique and one-of-a-kind system. See for yourself how dense phase conveying is especially suitable for premixed materials, materials with high bulk density, materials which are abrasive, friable, or tend to segregate.

Also on display will be the Coperion ZRD Hygienic Rotary Valve. This valve is specially designed for sanitary, pharmaceutical, food and chemical applications where contamination is a constant concern, and frequent disassembly and cleaning is required. The ZRD Hygienic includes full access extraction system and a large inlet for high filling efficiency. Without removing the valve from the system, the ZRD Hygienic can be easily disassembled, cleaned and reassembled. The ZRD Hygienic is designed according to EHEDG guidelines with pressure differentials up to 1.5 bar [21 psi] and temperatures up to 100°C [212°F].

Another valve on display will be the Coperion WYK Diverter Valve which is ideal for powders and granular products. The asymmetric design with 45° angle, is suitable for distributing and collecting in pneumatic conveying lines and in gravity pipes and is ideal for sanitary and wet cleanable design, EHEDG certified (0.8 Ra execution); suitable for the wet cleaning process. It is essential for the function and for the cleaning result that the rotor is disassembled after each washing process and manually cleaned and dried.

The booth will also display the Sanitary Filter Receiver (SFR) which provides automatic separation of product material from the convey air for vacuum and pressure conveying in sanitary applications, for batch and continuous processes. The SFR is specifically designed for stringent food applications requiring quick clean-out and to reduce food contaminants and/or the cross contamination of allergens. The unit is easily cleanable with round corners, no ledges and no hidden areas.

A single to twin screw Quick Change Feeder will be available for booth guests, too. It is designed for applications requiring quick changeover of materials and convenience of fast cleaning. The QC feeder allows for the removal of the entire feeder module with screws in place, to be replaced with a second unit. The removed feeder module can then be transported to a cleaning facility for further disassembly and cleaning before being prepped for another material. In loss-in-weight feeding applications where

April 2016

difficult flowing or cohesive materials form rat-holes or bridging in the hopper, K-Tron's new ActiFlow flow aid eliminates the need for mechanical agitation, greatly simplifying the cleaning process.

Lastly, the HD Aerolock Rotary Valve will be displayed. It's engineered for heavy duty industrial service and high volumetric efficiency at up to 1.0 bar [15 PSI] pressure differential. The HD conveys a broad range of products in the plastics, chemicals, minerals and food industries. The HD Aerolock is used to handle pellets and granular products, and will meter powder materials at over 100,000 lbs./hr.

Experts from Coperion K-Tron and Coperion will be on hand to answer all of your questions.

For complete show highlight, visit www.coperion.com/PowderShow2016

Coperion (www.coperion.com) is the international market and technology leader in compounding systems, feeding 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 40 sales and service companies worldwide.

Coperion K-Tron (www.coperionktron.com) is a Business Unit of Coperion (www.coperion.com) and is a global leader and single source supplier of materials handling and feeding systems. Coperion K-Tron has defined the leading edge of technology for materials handling and feeding applications in the process industries. For more information visit www.coperionktron.com or email info@coperionktron.com.

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and the color photos in printable quality are available for download from
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Editorial contact and voucher copies:

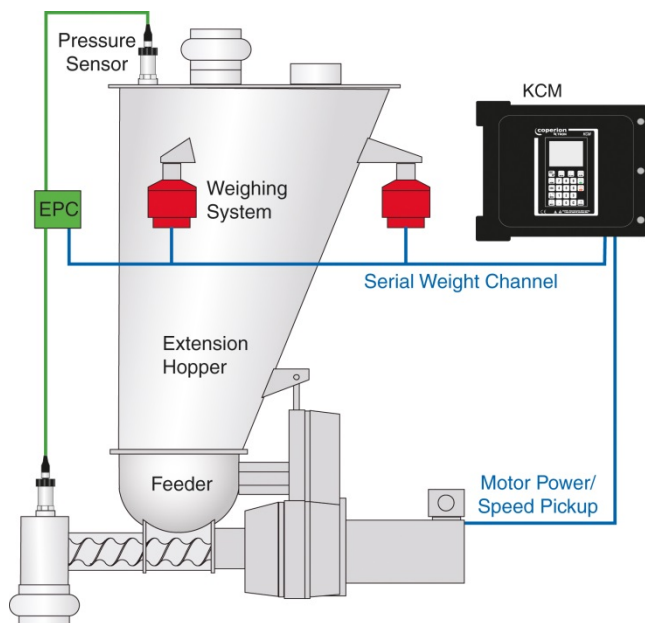
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April 2016



The new compact stainless steel rotary valve ZZB was especially developed for small capacities and high sanitary needs

Image: Coperion, Weingarten



Basic principle of EPC electronic pressure compensation applied in gravimetric feeding system in a schematic presentation; KCM: feeding control

Image: Coperion K-Tron (Switzerland) GmbH, Niederlenz, Switzerland