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Pharmaceutical Design Feeders



Hygienic feeding of bulk materials in nutraceutical & pharmaceutical applications

Coperion K-Tron can provide single source solutions for all your feeding and conveying needs in the pharmaceutical and nutraceutical industries. The complete Coperion K-Tron line of pharmaceutical equipment is engineered to meet the rigid requirements of the industry, including strict adherence to cGMP guidelines and standards, as well as the use of FDA approved materials of construction. Our Coperion K-Tron pharmaceutical design feeders are easily disassembled. All units are specifically designed to meet the cleaning requirements of the end user, including options on complete wash-in-place and rinse-in-place cleaning.

The new Coperion K-Tron K3 line of pharmaceutical feeders feature a modular concept complete with a drastically reduced overall footprint thanks to a new, smaller D4 platform scale. The quick change design allows the easy exchange of feeder types and sizes as well as hoppers or agitators using the same scale & drive for fast adaptation to new processes and formulations while also ensuring easy cleaning and maintenance.

Additional design options available include the ability to provide complete product containment during feeding and product transfer, isolation in glove boxes, and executions suitable for use in hazardous environments according to ATEX and NEC guidelines. Specialty designs are available for cluster feeding and refill of continuous operations, with modifications to allow for complete accessibility in areas with tight space limitations, or when integrating into continuous processes such as blending, granulating, or extrusion.

Coperion K-Tron can provide an extensive array of validation documentation including FDS, FAT and SAT-IQ and SAT-OQ protocols for both standalone feeders/conveyors and complete systems. Controls options are available to meet CFR 21 Part 11 compliance. Integration with a variety of communications platforms including Modbus, Allen Bradley, DeviceNet, Profibus, etc. are available.

• **PH-QT20**



PH-QT20 on a D4 scale

Twin screw feeders are ideal for handling difficult materials such as active pharmaceutical ingredients (APIs), excipients, lubricants and pharmaceutical granulations. Coperion K-Tron offers the PH-QT20 in either volumetric or gravimetric configurations.

FEATURES

- Reduced footprint
- 2-degree pitch for improved WIP drainage
- Quick Change design for flexible ingredient changeover
- Single drive for complete feeding range

FEED RATES

	Twin concave screws		Twin auger screws	
	Min.	Max.	Min.	Max.
coarse - dm ³ /h	0.34	170	0.47	243
coarse - ft ³ /h	0.012	6	0.017	8.58
fine - dm ³ /h	0.2	94.6	0.13	60
fine - ft ³ /h	0.007	3.34	0.005	2.12

Materials of construction: product contact parts stainless steel, DIN 1.4404/1.4435 (AISI 316L)

• **PH-QT35**



PH-QT35 on a D4 scale

Twin screw feeders are ideal for handling difficult materials such as active pharmaceutical ingredients (APIs), excipients, lubricants and pharmaceutical granulations. Coperion K-Tron offers the PH-QT35 in either volumetric or gravimetric configurations.

FEATURES

- Reduced footprint
- 2-degree pitch for improved WIP drainage
- Quick Change design for flexible ingredient changeover
- Single drive for complete feeding range

FEED RATES

	Twin concave screws		Twin auger screws	
	Min.	Max.	Min.	Max.
coarse - dm ³ /h	2.5	1386	4.4	2012
coarse - ft ³ /h	0.09	48.9	0.16	71.1
fine - dm ³ /h	1.63	791	2.2	1007
fine - ft ³ /h	0.06	27.9	0.08	35.6

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