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JEL Barrel filling systems

When filling drums, the following applies: as space-saving as possible, as fast as possible and... safe!



Drum filling systems essentially consist of a stable base frame and a filling stand with barrel support lid and filling head, which is connected to the product feed tube via a flexible cuff.

Engelsmann barrel-filling solutions are constructed either as stand-alone stations or integrated as a process element in production facilities. Up to 5 barrels standing together on a pallet can be filled in sequence.

The filling process can be combined with other functions such as weighing, fill level measurement, metal separation or protective screening.

All filling systems are simple, intuitive and safe to operate. We also supply adapted solutions for particularly dusty products or plant areas with an explosion hazard.

Features of the JEL Barrel filling systems

Filling solutions for up to 5 barrels in one station

Stainless steel parts in contact with product like filler heads or entire appliance on request (V2A and V4A)

Filler head in rigid or rotating construction, with pneumatic or mechanical height adjustment

Special sealing plates and dust removal filters for dusty products

Sensors for checking optimal barrel position

Vibration table for compaction of products

Weighing cells for calibrated filling

Control: from simple control unit to complex control systems that map the entire filling process

Construction with roller-tracks or with safety guards

If required: all materials conforming to FDA or EC 1935/2004

ATEX versions can be supplied

Method of operation of the JEL Barrel filling systems

The barrel is placed in the filling station with a pallet truck or a fork-lift truck and positioned as precisely as possible under the filler head. The filler head is then lowered so that the cover plate lies fully over the barrel opening.

The filler head is connected to the product feed pipe. When the filling process is initiated (e.g. by opening a shut-off flap, the product falls from above through the filler head into the barrel.

When the barrel is full, the product flow is halted again. The filler head is raised so that the barrel can be easily removed from the station.

Advantages of the JEL Barrel filling systems

Efficient filling systems for one or more barrels and different filling quantities

As stand-alone station or integrated into a facility as a process element

Strong construction, few individual parts

Safe and simple operation throughout the filling process

Integration of upstream components like metal separators or safety sieves for more product safety

The process can be fully automated in combination with additional equipment like fill level indicators, weighing cells and the corresponding control.

Hygienic design and documentation packages for use with foods or pharmaceutical products

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