

PROXES SYSTEMS DRUM DISCHARGING SYSTEMS

Optimized discharging of high viscosity
food ingredients



Following the discharging of highly viscous food ingredients from a drum there should be as little product remaining as possible. Special systems are required if the product is not to be diluted during any recovery process.

The ProXES Systems Drum Discharging System minimizes residual quantities and is easy to handle and clean. It is designed for discharging drums quickly and easily (e.g. tomato paste). Other formats are possible.

ADVANTAGES FOR YOUR PRODUCTION

- /// MINIMIZED RESIDUAL QUANTITIES IN THE DRUM
- /// EASY HANDLING
- /// COMPACT DESIGN
- /// EASY TO CLEAN
- /// INDIVIDUAL ADAPTION TO THE ENTIRE PLANT POSSIBLE

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FUNCTION AND USE OF THE PROXES SYSTEMS DRUM DISCHARGING SYSTEM:

A special drum discharging pump system enables the quick and easy discharging of drums into a product buffer tank. From there the product is pumped out via a frequency-controlled positive pump to the next recipe-controlled metering process.

Handling is easy: a 'grab' places the individual drums on a conveyor and pushes them towards the drum discharging system. The discharging pump is lowered onto the open drum. It consists of a double diaphragm pump with base plate, assembled in a frame. This base plate with pump lies directly at liquid level and lowers along with the contents of the drum as they are discharged. To compensate for this movement a food hose on the pressure side of the discharging pump acts as a flexible connection and is attached to a connecting panel above the product buffer tank. The special design enables optimal discharging of drums whilst minimizing residual quantities.

Equipped with valves, instruments, a frequency controlled positive pump for product discharge and a CIP cleaning pump, the ProXES Systems Drum Discharging System is a completely optimized unit. Transfer from the buffer tank is integrated into a centralised automation system as part of the recipe management.

The ProXES Systems Drum Discharging System and, if required, the buffer tank is pre-assembled on a stainless steel frame at the factory. Extensions to your operation can be shortened and simplified by preassembled units. Down times are minimized.

PERFORMANCE OF THE PROXES SYSTEMS DRUM DISCHARGING SYSTEM:

- With a pump discharging system approx. 10 x 200 l drums can be discharged per hour.
- Discharge output from the buffer tank is adjusted to the subsequent process. Outputs between 5,000 and 20,000 kg/h are usual. Other outputs are possible.

The ProXES Systems Drum Discharging System can of course be expanded and customized to the requirements of the entire plant. In addition, we recommend equipping the piping from the product buffer tank to the next module with a pigging station.

This is how the ProXES Systems Drum Discharging System optimizes your handling of highly viscous food ingredients.

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