Datasheet

Cascade Liquid Coater

Process

The Van Aarsen cascade liquid coater is designed to spray fats on animal feed pellets. This process increases energy density, facilitating better utilization of feeds.

This is why the process plays an increasingly important role in efficient animal feed production.

Important advantages liquid coating compared to fat dosing on die:

- more accurate dosing and better distribution throughout the feed
- no contamination in pellet mill
- considerably simpler and cleaner process

Description

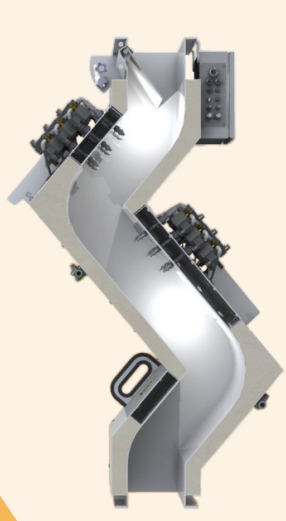
- Construction completely made of stainless steel.
- Fits directly under the pellet mill or as a post pelleting application under a dosing screw
- Two sided coating
- Electrical heating on housing and piping with monitoring of temperature
- Completely insulated
- Building in height 1600 mm
- Hinged hatches
- Removable cleaning and inspection hatch
- Cleaning tools to clean the coater internally without dropping dirt into the outlet
- Automatic nozzle cleaning with air
- Easy detachable nozzles
- Switching spraypoints at the correct liquid pressure at variable product flow
- Liquid-pressure sensor with display provided on the coater

Execution

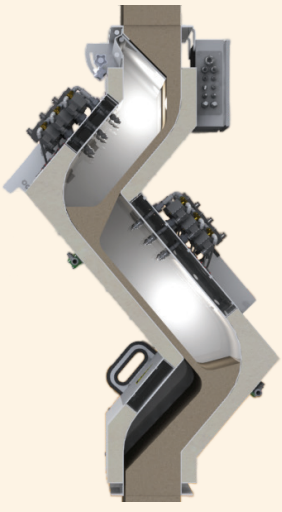
- Suitable for spraying up to 2.5% liquid on cold pellets and 3% liquid on hot pellets
- Maximum allowable viscosity of liquids is 25 cP
- Used oil has to be suitable for a 250 µm filter
- The Cascade Liquid Coater is situated between the pellet mill and the cooler or just before bulk loading; this means it is a ‘post pelleting application’
- Tracing starts heating at conditioner start-up (± 30 minutes before pellet flow). This will reduce the steam flash-off.
- Liquid spraying starts at increasing pellet mill load
- The CLC is standard available in ATEX22

Hygienic operation

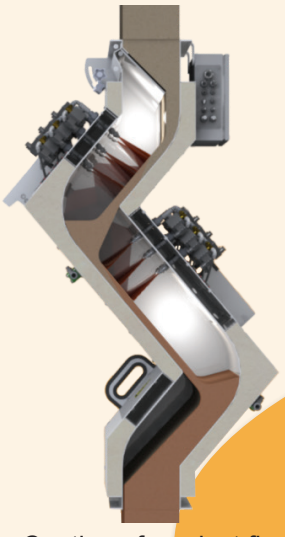
- Tools for cleaning the coater internally are included
- Heating will keep fat liquid, preventing clogging in piping
- Each nozzle-set is provided with air cleaning, preventing dripping and clogging of the nozzle



Cross section coater



Product flow

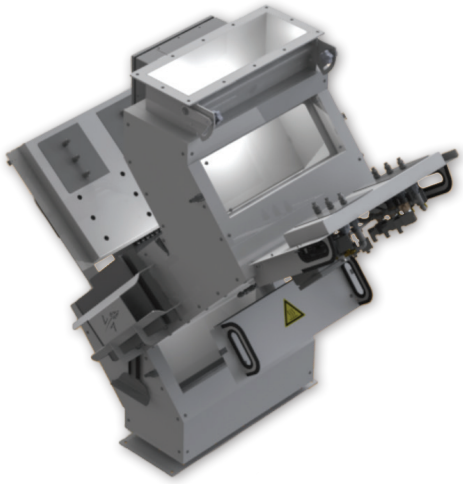


Coating of product flow

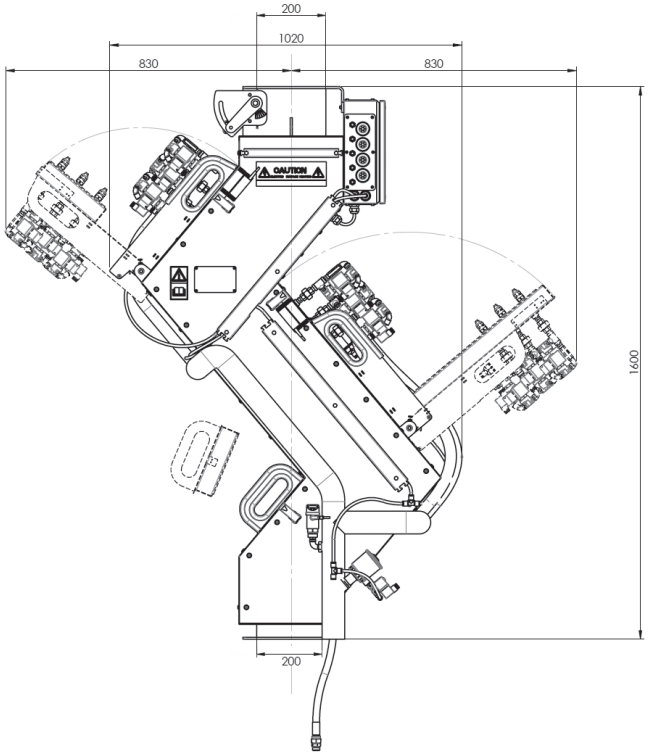
V000

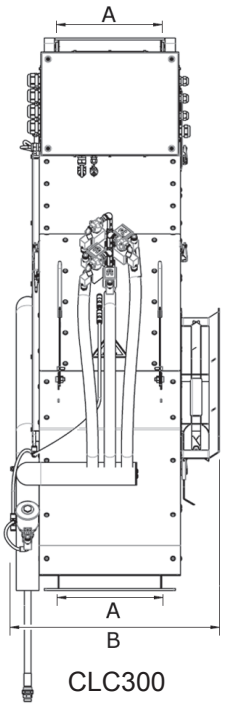
Datasheet

CLC600

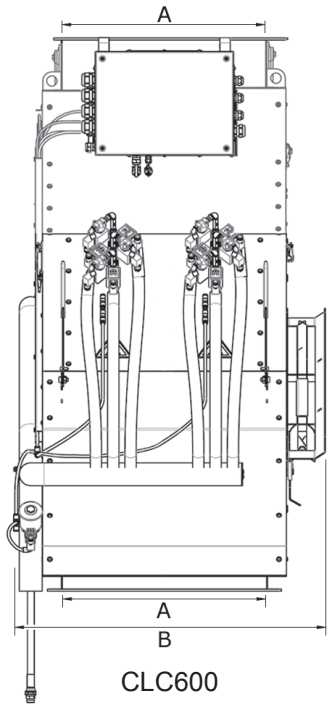


CLC600 with opened hatches



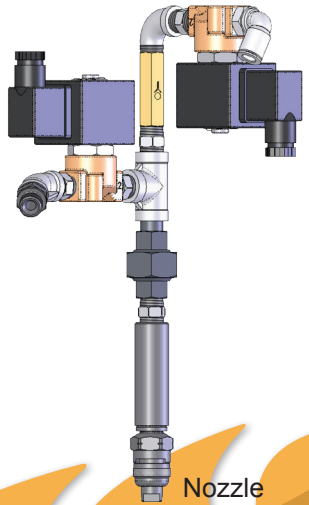


CLC300



CLC600

Type	A	B	Min. Capacity t/h	Max. Capacity t/h	Min. flow l/min	Max. flow l/min	Nozzles
CLC300	300	600	9	24	0.5	11.5	2 x 3
CLC600	600	900	18	45	1.0	24.0	2 x 6



Nozzle

VanAarsen

Heelderweg 11 6097 EW Panheel, P.O. Box 5010 6097 ZG Heel The Netherlands
Phone +31 (0)475 579 444 Fax +31 (0)475 579 223 info@aarsen.com www.aarsen.com