

VetterTec Silo Plant / Dosing Screw

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VetterTec silo plants are used for intermediate storage of lauter tun and mash filter wet spent grains prior to truck loading. With the special and approved design, including shape, geometry, feeding device, discharge cone design, insulation design, surface and instrumentation, clogging and bridge building will be no issue for users. The silo is mounted on a foundation and can be supplied with a weighing system.

VetterTec dosing screws will be installed directly at the discharge flange of the silos, and, if required, at an adequate height to load trucks directly. The length and size of dosing screws can be optimized in order to minimize loading time. The design of the dosing screws ensures a controlled feed of the spent grains directly onto a truck or into a VetterTec predewatering, drying and granulation system.

Silo Plant Advantages

- / Outdoor installation
- / Various kinds of construction
- / Individual design and installation

Silo Plant Special Features

- / Silo capacity between 5 cbm up to 400 cbm
- / Steel or stainless steel design
- / Construction according to customers' requirements
- / Weighing cell
- / Electrical panel



Dosing Screw Advantages

- / Continuous conveying
- / Rugged design
- / Flanged directly to the silo outlet
- / Heating jacket / double jacket
- / Slide valve

Dosing Screw Special Features

- / Compact construction
- / Conveying capacity up to ~2000 kg/min
- / Steel and stainless steel design
- / Little wear
- / Surmounts major distances
- / Lauter tun spent grains
- / Mash filter spent grains

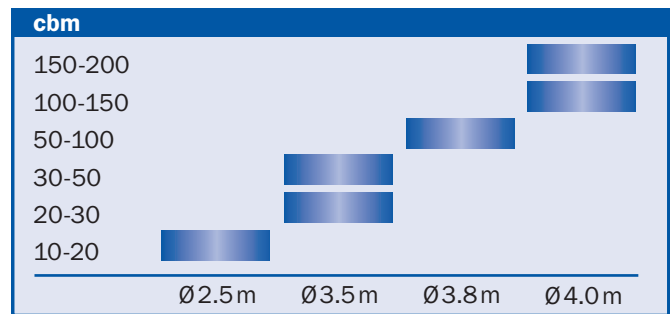
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VetterTec Silo Plant

VetterTec silo plants are installed right on the foundation provided by the customer. The place of installation can be at a distance of up to 200 metres from the brewing house.

Silo plants are designed with substructure, ladder and roof railing. The inclination of the silo cone is especially adapted to the flow characteristics of the spent grains. To clean the spent grains pipeline between brewing house and silo plant, specific ball cleaning equipment with ball catching device is provided at the silo plant. A silo plant is cleaned by a spraying head installed in the silo roof.

Silo Sizes / Capacities



Dimensions (cbm)	10-20	30-50	50-100	100-200
Diameter (m)	2.5	3.5	3.8	4.0
Cylindrical height (m)	2.2-4.0	3.0-5.0	4.2-8.7	7.8-15.5
Total height (m)	9.8-11.6	11.5-13.5	13.0-17.5	16.7-25.0
Weight max. (to)	3.5-4.5	4.8-6.8	6.8-9.6	9.6-16.2

VetterTec Dosing Screw



VetterTec dosing screws are flanged right to the silo outlet so that

trucks can stop under the dosing screw to load spent grains.

The quantity to be delivered is controlled by an additional control cabinet. A dosing screw can optionally be supplied without or with heating system. A slide valve at the discharge prevents escaping of spent grains water while the plant is standing still.

Discharging Capacity (kg/min)

