

VetterTec Wet Spent Grains Pre Dewatering

VetterTec Pre Dewatering System for Wet Spent Grain Conveyors

The VetterTec wet spent grain pre dewatering system will reduce the moisture of the wet spent grains in the brew house before it is sent to the spent grain silo.

This pre dewatering system is installed as an extension on the buffer silo under the lauter tun or on the single spent grain conveyor in the brew house. The dewatering section consists of a specially designed screw configuration to dewater the spent grains without reducing the wet spent grain conveying capacity. This special screw is covered by a perforated screen to drain the spent grain water. The screen is surrounded by a water-tight cylinder including a screen washing system consisting of spray nozzles.

At a feed moisture of 80% water the moisture typically can be reduced by 2 to 3%. Reducing the moisture already in the brew house gives the advantage that the splash water will be reduced while loading on truck and during transportation. The spent grain water will be sent to the biogas production plant and will increase its efficiency.

The pre dewatering system can also be easily implemented in existing buffer silos.



Special Benefits

- / Less splash water while loading and during transport
- / More spent grain water to biogas production plant
- / Fast and more efficient spent grains discharge
- / Retrofitting without reduction of conveying capacity

VetterTec Wet Spent Grains Pre Dewatering

VetterTec Wet Spent Grain Conveyor with Pre Dewatering System

The wet spent grain pre dewatering system is approved in a number of applications and is mainly designed for lauter tun applications with problems because of high spent grain moisture in storage, loading and transport of wet spent grains.

Special Features

- / Easy to implement in existing systems
- / Spray nozzles to wash the screen
- / Rugged design
- / Little space requirements



Wet Spent Grain Conveyor with Pre Dewatering System

| Dimensions | Type A | Type C | Type E |
|------------------|--------|--------|--------|
| Length max. (mm) | 3400 | 4400 | 5300 |
| Width (mm) | 550 | 550 | 650 |
| Height (mm) | 600 | 600 | 750 |
| Weight max. (kg) | 425 | 930 | 1175 |

Dewatering Capacity (kg/min)

| Based on: Spent grains from lauter tun (pure malt filling) at 80% moisture | | | |
|--|---|-------|-------|
| Type E | [Bar chart showing capacity for Type E] | | |
| Type C | [Bar chart showing capacity for Type C] | | |
| Type A | [Bar chart showing capacity for Type A] | | |
| | 20-35 | 35-50 | 50-63 |