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Dry feeding





Dry feeding



Basics and systems

In dry feeding, dry feed is transported through the feed lines via a chain or spiral, dosed into a volumetric dispenser or automatic feeder and made available to the animals for feeding. Depending on the system, feeding is via one or more feed lines. Different recipes can be mixed using a batch mixer and fed accordingly.

The table below provides an overview of the most common systems:

System	Brief description
Single-phase dry feeding	The dry feed in the silo falls into the feed inlet hopper and is transported by chain or spiral through the feed line to the volumetric feeders or automatic feeders, where it is dosed out.
Multi-variety dry feeding	There are two variants here. Variant 1 functions like single-phase dry feeding, but has not just one but several feed lines. Variant 2 has a feed line with 2 to 3 silos, operated with the aid of a simple computerised control system. Multi-phase dry feeding
Multi-phase dry feeding	The dry feed components are mixed in a batch mixer and conveyed to the mash feed machines by means of a chain and automatic valves. The next recipe can already be mixed while the feed is being transported



Multi-variety feeding in the finishing house



Control centre of dry feeding system with 6 feed lines



Outdoor silos for dry feeding



Indoor silos for dry feeding



Drive station and feed direction



Robust and reliable

The drive station and feed inlet hopper feature highly robust technology. Our high-quality feed inlet hoppers and reliable drive stations ensure that your animals are optimally cared for.

Features

1 K1 drive station (interior view)

- Pulls conveyor chain through feed line
- Stable drive wheel

2 K1 feed inlet hopper

- Extremely stable design
- Suitable for indoor and outdoor installation
- For one or two lines (depending on requirements)
- Various silo connections

- Robust technology
- Reliable drive station
- High-quality feed inlet hopper
- Suitable for indoor and outdoor installation
- Various silo connections



Getting safely around the bend

- **Easy transport around corners**
- **Durability**
- **Safe operation**
- **Made of plastic or stainless steel**

Deflection corners guide chains over a running wheel and enable problem-free transport across corners. The integrated running wheels reduce wear and ensure a long life for the chain. The ball-bearing-equipped running wheel made of high-quality stainless steel ensures particularly safe operation. The deflection corners are made of plastic or stainless steel as required. A driven deflection corner is also available for precise, regulated control.



Volumetric dispenser



Always the right amount of feed

The volumetric dispenser is directly connected to the feed line. Filling takes place via a closable opening in the feed line.

The transparent volumetric dispenser has a front cover opening that ensures easy cleaning. The dosing setting and adjustment of the filling quantity is carried out effortlessly by means of a slider. The ball mechanism ensures problem-free opening and secure closing of the dispenser. The volumetric feeder is also available in a version for two separate feed lines to meet your individual requirements.

- Simple cleaning
- Easy opening and secure closure
- No corners or hidden edges
- Version available for two feed lines



Optimum supply

- **Stable, robust and durable**
- **Suitable for up to 40 animals from 7 - 120 kg**
- **Manual dosage adjustment**

Your animals are always optimally supplied thanks to our robust, stable and durable automatic feeders.

The Classic Feeder (Multi/Finishing) is designed for up to 40 animals from 7 to 120 kg (country-specific regulations must also be observed). When dosing the dry feed into the feeding bowl, the animal can add water via two nipple drinkers to create a mash.

The mash feed machine is very suitable for pellets and meal. The dosing and the drinker nipples are adjusted manually. The feeder is suitable for up to 12 animals and is perfect for use in finishing pens. The mash feed machine, as it is made of high-quality stainless steel, is very stable and durable.



DryComp system



Ideal multi-phase feeding

Our DryComp system is a computer-controlled multi-phase feeding system that enables the targeted supply of individual delivery points.

Various dry feed types can be combined in the weighing mixer and fed via independent feeding cycles as needed. Thanks to the precise weighing system (resolution down to 10 g), we guarantee very high dosing accuracy. The DryComp system also enables sensor feeding: an inductive sensor is often installed in a batch mixer. This is hung with the cable very deep into the tank and it reports to the computer when sufficient dry food is available. The sensors are scanned before feeding. Only the tanks from which no sensor reports are then filled with dry feed. In addition, the system offers simultaneous mixing and feeding of the prepared rations.

- Targeted supply
- High dosing accuracy
- Simultaneous mixing and feeding
- Sensor feeding possible
- Precise weighing system (down to resolution of 10 g)



Easy to open and close

- **Control by computer**
- **Easy handling**

With our automatic dry feeding valves, the solenoid valves of the dry feeding system can be easily controlled by computer.

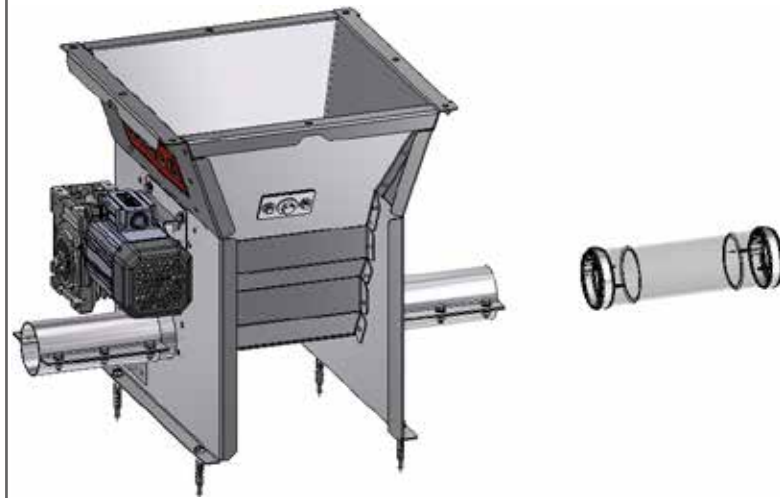
Our automatic dry feeding valves offer an innovative solution for conveniently controlling the solenoid valves in the dry feeding system via computer. This technology simplifies and optimises the handling of the feeding process. You can precisely control the valves to optimise the dosing of dry feed in various applications. Our automatic dry feeding valves are the ideal solution for farmers requiring a reliable and advanced feeding solution.



Innovative feeding systems



Batch mixer



Star Feeder

Efficient feeding solutions

The TM60/TM120 batch mixer enables a precise, computer-controlled combination of dry feed components with a dosing accuracy of 10 grams. The octagonal hopper (60 or 120 litres) and helical mixing screw ensure uniform mixing. Up to four feed lines can be connected at the same time, eliminating waiting times. The system is ideal for multi-phase feeding and fits into spaces with normal ceiling heights thanks to its low height. Made of stainless steel, it is durable and easy to clean.

The Star Feeder enables uniform, volumetrically precise feed delivery into the line, and is cost-effective and easy to maintain. It requires no manual settings and integrates seamlessly into the entire system. The simple multi- or multiphase feeding does not require weighing thanks to the integrated cell wheels made of durable thermoplastic polyurethane. The space-saving system is also suitable for feeding sows with the WEDA Opti.Mum.

- Individual combination of dry food components
- Suitable for multi-phase feeding
- Made entirely of stainless steel
- Space-saving
- Easy to maintain
- No manual adjustments required



Versatile and customised

- Easy to use
- Multi-phase feeding
- Excellent 4PX DRYCOMP: up to 10 feeding recipes
- Feeding according to feed curve
- Multilingual
- Linux-based PC

With the WEDA control systems for dry feeding, we offer a variety of customised solutions for feeding your animals from single-phase to multi-phase feeding.

The Excellent 4PX DRYCOMP is a user-friendly dry feeding system with a standard Linux programme and TFT display for easy operation. It features multi-phase feeding (up to 10 recipes), sensor feeding and the option of feeding according to a feed curve. This system optimises the feeding of your animals and ensures precise and flexible diets.



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All information subject to change.
Changes are possible at any time.



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