STIENEN BE

KFM-6400

**Universal controller
for the automatic filling
of troughs**

- For universal use
- The strength of simplicity
- Easy to use
- Secure communication with
  FarmConnect and **Farm**Remote

KFM-6400 : Universal control of your feeding process

When does the KFM-6400 come in handy?
In existing situations where feed systems are controlled by PLCs, and different control conditions apply to the different situations and animal houses. The KFM-6400 links all these different controls together in one universal control system. This service-friendly controller can also be linked to Farm-Connect and **Farm**Remote.
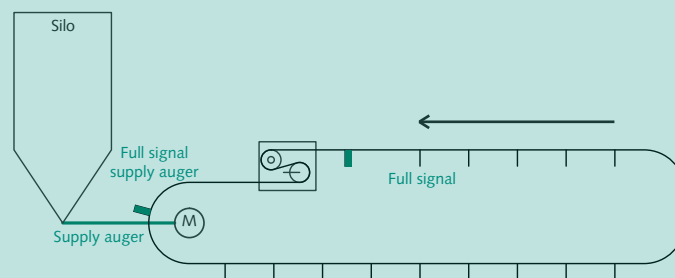
Feed circuits for single-phase feeding
The feed from the silo is supplied to the circuit by means of a supply auger. This enables the feed to be dosed even more accurately, based on the speed, pitch and diameter of the feed auger. Optionally, the silo can also be connected to the circuit directly, through a drop pipe.
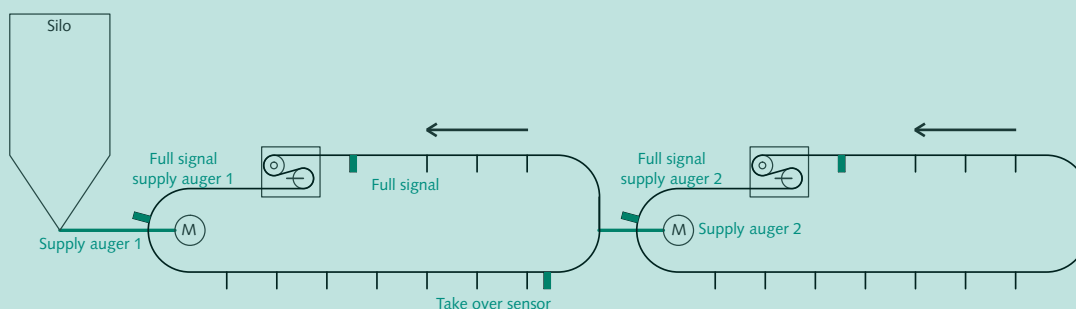
What does the KFM-6400 do?
The KFM-6400 is a universal controller for the automatic filling of single and/or multiple feed circuits. Dispensers or feed troughs are filled, starting at times which you can set yourself, until the filling sensor is covered or – as an extra protection measure – the maximum running time has expired. The dispensers can also be opened manually. The KFM-6400 can be used in situations with single, circular feed circuits or straight feeding lines and/or multiple, circular feed circuits. If a circuit becomes too long, several circular circuits can be cascaded.
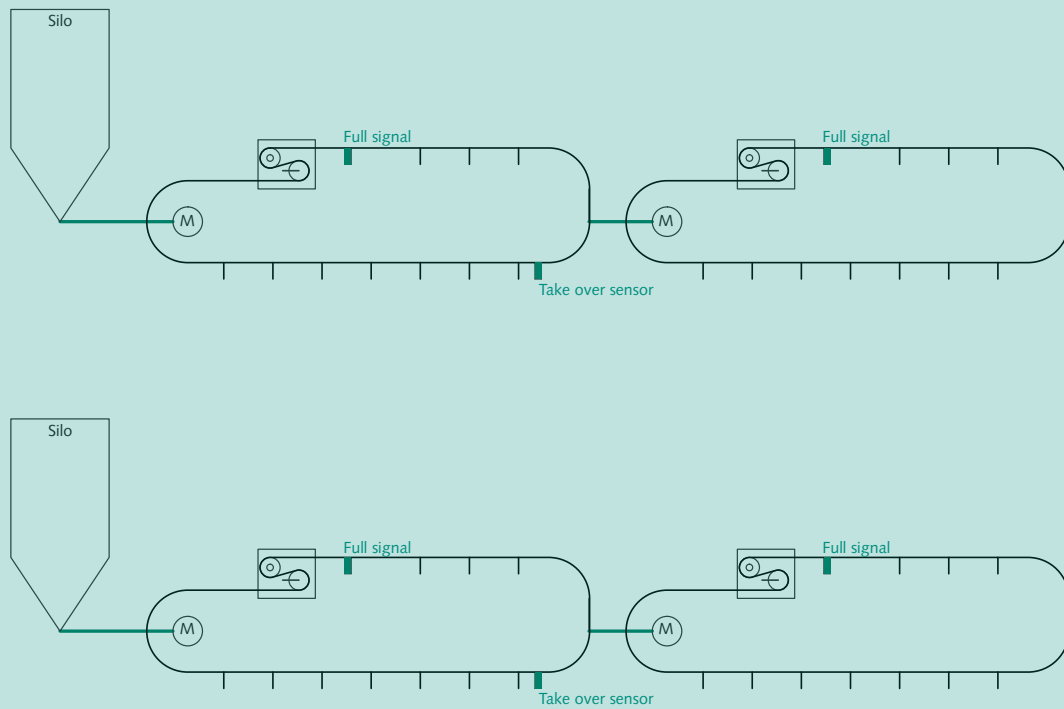
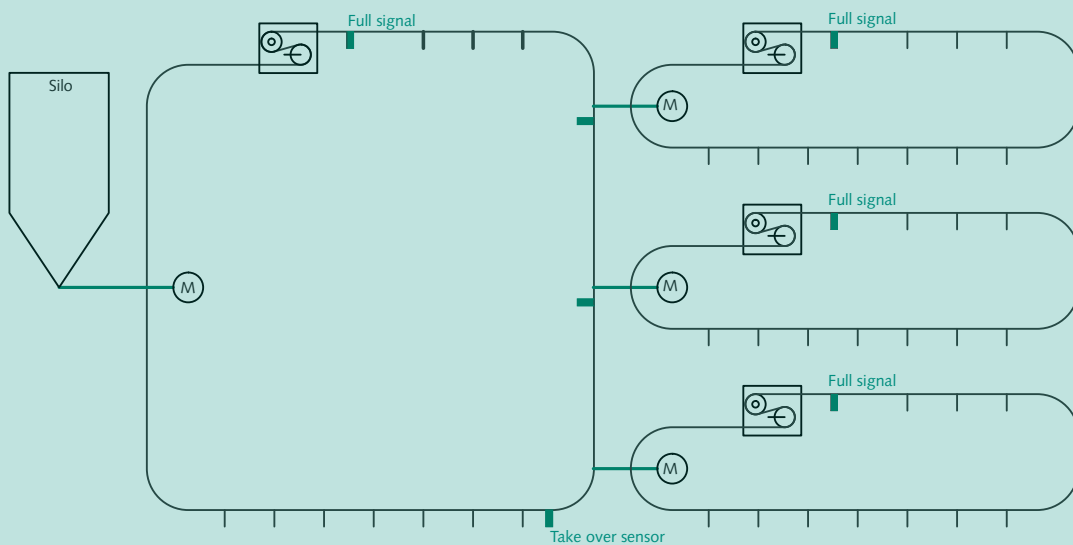## Example situations

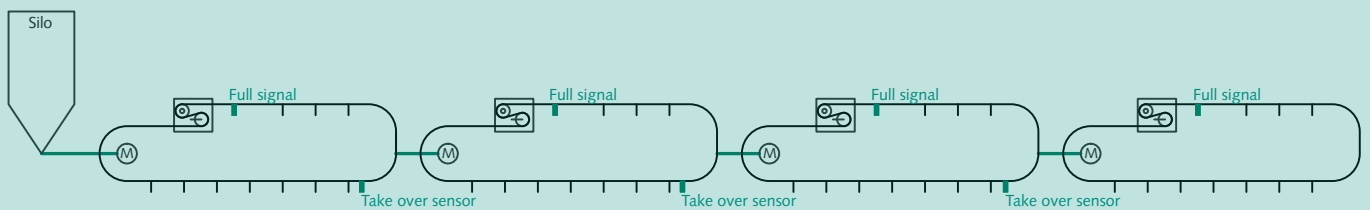1 single, circular circuit

2 cascaded circuits

2 x 2 cascaded circuits

Silo

Full signal

Full signal

Take over sensor

Silo

Full signal

Full signal

Take over sensor

1 circuit with 3 parallel cascaded circuits

Full signal

Full signal

Silo

Full signal

Full signal

Take over sensor

1 silo with 4 cascaded circuits

Silo

Full signal

Full signal

Full signal

Full signal

Take over sensor

Take over sensor

Take over sensor

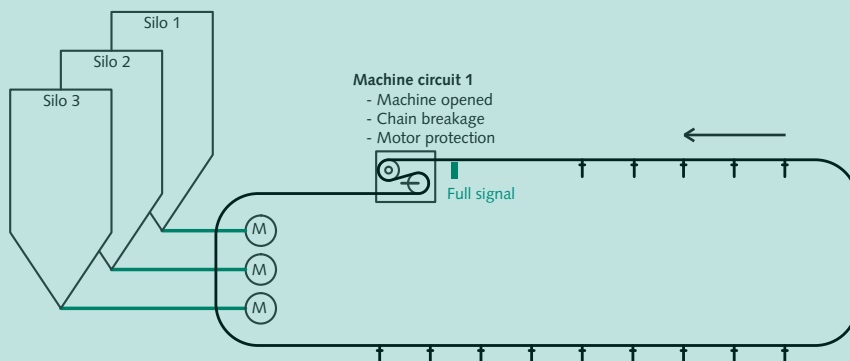The maximum sum of the number of silos + circuits is six.
By default, a maximum of 16 dosing groups can be controlled by a single KFM-6400. Optional bus modules can be used to expand this.

Feed circuits for multi-phase feeding

A multiple feed circuit enables several recipes to be transported to the outlet points through one and the same circuit. Different mixtures of ingredients can be filled from the different silos for the different animal groups, or recipes can be skipped. The silos are controlled sequentially (on/off) or in parallel.
It is also possible to adjust the recipe to the animals' growth by pre-programming a recipe curve.

Multi-phase feeding with 3 silos and 1 circular circuit

Manual control by means of an external pushbutton

The KMF-6400 features a special input which enables an external pushbutton (at the door) to be connected. This pushbutton can be used to easily start filling a circuit or opening a dispenser.

Technical data

Standard possibilities of KFM-6400	
Silos	6
Circuits	6
Dosing groups	16
External alarms	6
Feeding time per 24 hours	6
Recipe curve	4
Expansion options KFM-6400	
FarmConnect	✓
FarmRemote (WEB-SEC)	✓
Communication via an RS-485 PCB for loop communication	✓
Functional expansion through a module/FN bus	✓

FarmConnect (optional)

The FarmConnect farm software collects all current and historical data of all control computers on your farm, combines this data, and then presents it in clear overviews, graphs and tables. FarmConnect gives you access to your farm data. Wherever you are, you are always connected to your company so that you can intervene immediately if necessary.

FarmRemote (optional)

The remote control feature of the KFM-6400 enables you to read the current data of your animal house remotely using your smartphone, tablet or PC. You can even operate the KFM-6400 from the comfort of your armchair. The Stienen WEB-SEC interface guarantees a secure connection.

Stienen BE, Agri Automation

Stienen BE is a leading family company (1977) which has its roots in livestock farming. It is in our nature to be very close to our end users. We are a global supplier of innovative automation solutions for poultry and pig houses. Our climate solutions, automation systems, management software and the accompanying peripheral equipment are all developed and produced in-house.