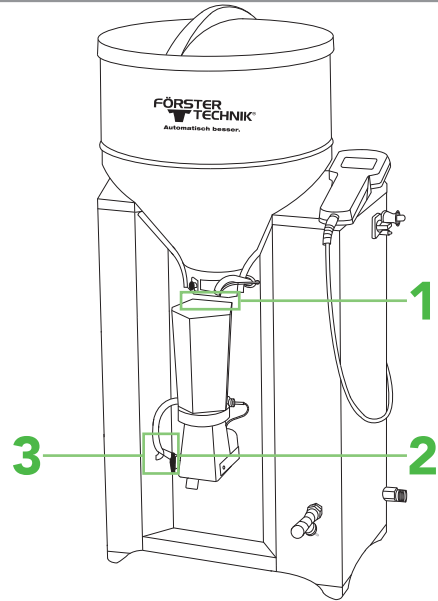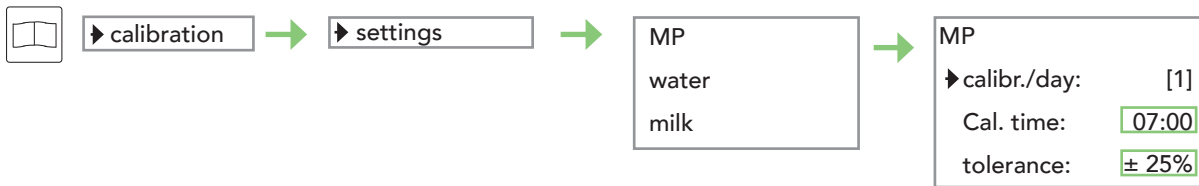# Automatic calf feeder - Combi

1.4 Automatic calibration

This document provides a brief overview about what settings should be made for automatic calibration and what errors can occur.
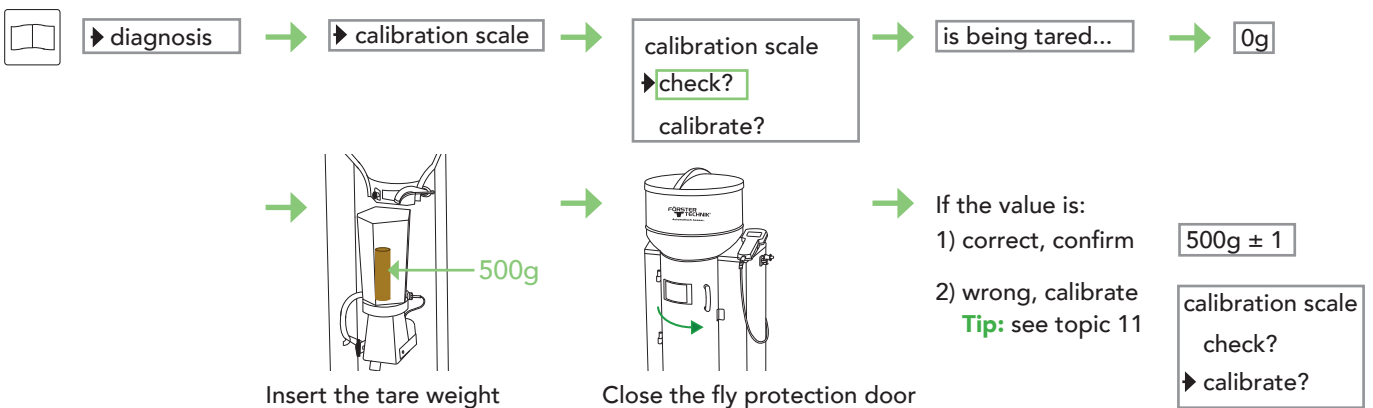
1 Before calibration
Make sure mixer is not touching feeders housing.

2 Check that the hoses are fixed with the O-ring

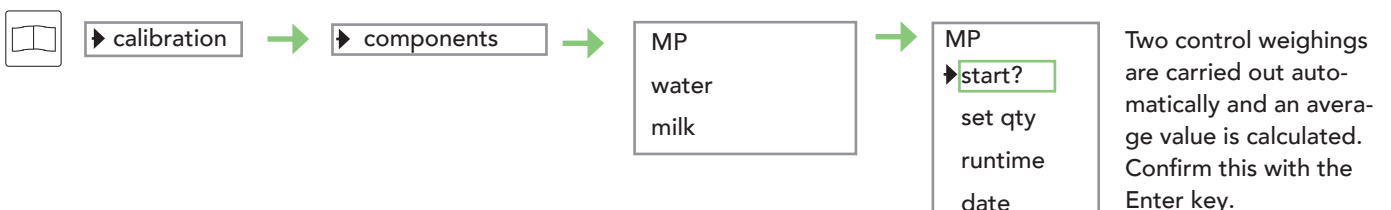**3 Loosen or remove locking screw of the mixer**

4 Settings
Times when the calibration should be carried out automatically.

| 📖 | ▶ calibration | → | ▶ settings | → | MP
water
milk | → | MP
▶ calibr./day: [1]
   Cal. time: 07:00
   tolerance: ± 25% |

5 Check calibration scale

| 📖 | ▶ diagnosis | → | ▶ calibration scale | → | calibration scale
▶ check?
   calibrate? | → | is being tared... | → | 0g |

Insert the tare weight — 500g

Close the fly protection door

If the value is:
1) correct, confirm   500g ± 1

2) wrong, calibrate
Tip: see topic 11

calibration scale
   check?
▶ calibrate?

6 Manual start of automatic calibration

| 📖 | ▶ calibration | → | ▶ components | → | MP
water
milk | → | MP
▶ start?
   set qty
   runtime
   date |

Two control weighings are carried out automatically and an average value is calculated. Confirm this with the Enter key.

This checklist refers to the basic equipment of the calf feeder. Not all available functions of the automatic feeder or the extensions can be shown. For detailed information and valid warnings as well as safety instructions, please refer to the instructions manual. (Status 21/07)

Troubleshooting

7 Warning: Calibration water HE/boiler

→ Check water valves via diagnosis.

→ Check if station or drain valves are leaking.

→ Change calibration time to a moment when action can be observed (see 4).

Diagnosis
▶ valves
  motors

< water boiler >
▶ autom. cal.:   [yes]
  cal. time: 07:00
  tolerance: ± 25%

8 Warning: Calibration milk

→ Check milk filter.

→ Check milk valve via diagnosis.

→ Check milk pump.

→ Check if station or drain valves are leaking.

→ Change calibration time to a moment when action can be observed (see 4).
Note: Auto calibration time for milk is an "from" time. Calibration is done with next entitled calf that enters station.

Diagnosis
▶ valves
  motors

Milk
▶ calibr./day   [1]
  calibr. 1:   07:00
  tolerance: ± 25%

9 Warning: Calibration milk powder

→ Check powder supply outlet visually.

→ Check powder supply via diagnosis.

→ Check if station or drain valves are leaking.

→ Change calibration time to a moment when action can be observed (see 4).
Note: Auto calibration time for milk powder is an "at" time. Calibration is done with next entitled calf that enters station.

Diagnosis
▶ valves
  motors

Milk replacer
▶ calibr./day   [1]
  calibr. 1:   07:00
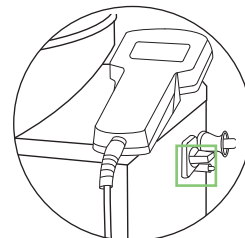 tolerance: ± 25%

10 Warning: Calibration

→ 120 days after the last calibration of detergent, additives and concentrate.
Or if calibration value differs too much from the value of the last calibration for water HE, water boiler, MP and milk.

→ Confirm warning with ENTER button.

→ Recalibrate components that are displayed.

→ Check with arrow left or right if there are more components to be calibrated.

< water boiler >
▶ start?
  set qty: 500 ml
  runtime: 6.00 s
  date: 01.01.18

11 Procedure if checking the calibration scale failed

→ Readjust the scale via diagnosis.

→ Make sure the feeder is in a stable position.

→ Make sure potential equalization is done correctly.

→ Have it checked by a technician that the card of the calibration scale is correctly seated on the main board.

calibration scale
▶ check?
  calibrate?

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