



TROUGHS AND DRINKERS FOR FREE STALLS



without legs:
wall fixation version



rounded edges at trough

with legs:
ground fixation version

INSIDER TIP!

No tipping-over – direct drainage!

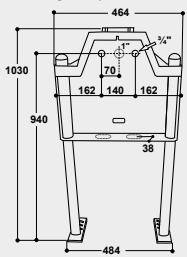
Water is directly channeled downwards through drainage tube! **No ice in front of the trough in winter season!**



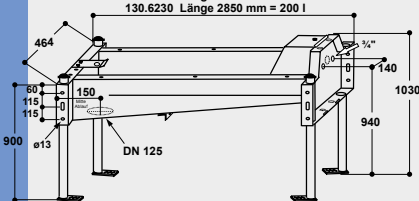
Photo with additionally installed low pressure float valve (yellow)



Bite protection plate
131.6085



130.6214 Länge 1400 mm = 100 l
130.6219 Länge 1900 mm = 130 l
130.6223 Länge 2300 mm = 160 l
130.6230 Länge 2850 mm = 200 l



SUEVIA Quick Drainage Trough

140 cm, 190 cm, 230 cm, 285 cm for wall and ground fixation

- **Conical inclined trough in stainless steel** for wall mounting
- Anti-spillage rim – water wastage reduced to a minimum
- Installed float valve **MASTERFLOW**, water flow up to 40 l/min (11 gallons/min), 3/4" male connection at the front side
- **Float valve cover can be pivoted upwards without use of tools!**
- **Large hole for quick drainage;** drainage plug can be operated above water surface
- With holder for drainage tube (tube DN 125 to be provided on site)
- With hole in operating drainage lever: If frost protection guard is installed as frost protection possibility (see beneath) excessive water produced by frost protection guard is channelled through hole of operating lever

ACCESSORIES:

- **Set of legs** (4 pieces, Order Ref. 131.6030) available, enables to adjust trough height!
- Additional installation of **low pressure float valve** (Ord. Ref. 131.0738) possible: to use, for example, warmed-up water from the milk cooling system (not possible when circuit tube Model 6064 is installed!), or one additional **MAXIFLOW float valve** (Order Ref. 131.0700) instead.
- **Bite protection plate** (Order Ref. 131.6085), to cover connections at the front side, suited for of all quick drainage troughs, prevents biting into frost protection heating cables, enables easy insulation or foaming of connection area.
- **Plug holder DE LUXE** (Order Ref. 131.6087), exchange kit for Quick Drainage Trough for an easy opening and closing of the drainage plug (see page 44).

NEW!



RECOMMENDED FOR:

Cattle, dairy cows

| Order Ref. | Type | Packing Hints | |
|----------------------|--|---------------|--|
| 130.6214 | Quick drainage trough 1,4 m | 1 piece | |
| 130.6219 | Quick drainage trough 1,9 m | 1 piece | |
| 130.6223 | Quick drainage trough 2,3 m | 1 piece | |
| 130.6230 | Quick drainage trough 2,85 m | 1 piece | |
| 131.6030 | 1 set of legs (= 4 pieces) | 1 set | |
| 131.0700 | MAXIFLOW float valve, Mod. 700 | 1 piece | |
| 131.0738 | Low pressure float valve, Mod. 738 | 1 piece | |
| 131.6085 | Bite protection plate in stainless steel | 1 piece | |
| 131.6060 | Heating element Mod. 6060, 24 V, 180 W | 1 piece/box | |
| 131.6061 | Heating element Mod. 6061, 24 V, 180 W | 1 piece/box | |
| 131.6062 | Heating element Mod. 6062, 24 V, 360 W | 1 piece/box | |
| 131.6063 | Heating element Mod. 6063, 24 V, 180 W, with cover | 1 piece/bag | |
| 131.0527 | Valve heating Mod. 527, 24 V, 7 W | 1 piece/bag | |
| 101.0390 | Transformer 230/24 V, 200 W | 1 piece/box | |
| 101.0392 | Transformer 230/24 V, 400 W | 1 piece/box | |
| 101.0861 | Frost protection heating cable, 24 V, 20 W, 2 m | 1 piece | |
| 101.1863 | Frost protection heating cable, 24 V, 30 W, 3 m | 1 piece | |
| 101.1099 | Aluminium adhesive tape, 50 mm wide, 50 m | 50 m/roll | |
| 101.0389 | Thermostat | 1 piece/box | |
| 131.6064 | 3/4" circuit pipe | 1 piece | |
| 131.6067 | Connection set for 1" water circuits | 1 piece | |
| 131.0521 | 3/4" frost protection guard | 1 piece/box | |
| NEW! 131.6087 | Plug holder De LUXE | 1 piece | |
| | 1" Circuit pipe: see page 44 | | |



TROUGHS AND DRINKERS FOR FREE STALLS

Options for Frost Protection

Option A: Heating element 24 V, for installation **under** the trough

(Order Ref. see list)

- Easy fixation under the trough
- No sharp edges when cleaning the trough
- Provides frost protection of the trough down to approx. **-20°C**
- To ensure a frost-free feed pipe, a **frost protection heating cable** 24 V, 20 W, 2 m (Order Ref. 101.0861), or a 24 V, 30 W, 3 m (Order Ref. 101.1863) has to be used. The heating cable should be wrapped around the pipe and connected to the heating element of the drinker in parallel to the power supply cable, coming from the transformer.
- For power supply a SUEVIA **Transformer** 230/24 V is necessary (for correct choice of transformer, see page 25). For automatic switch on/off of transformer a thermostat (Order Ref. 101.0389) can be additionally installed (see page 25).

| Trough (Order Ref.) | Length | Contents | Heating Element (Order Ref.) | Voltage, Power |
|---------------------|--------|----------|------------------------------|----------------|
| 130.6214 | 1,4 m | 100 l | 131.6060 | 24 V, 180 W |
| 130.6219 | 1,9 m | 130 l | 131.6061 | 24 V, 180 W |
| 130.6223 | 2,3 m | 160 l | 131.6062 | 24 V, 360 W |
| 130.6230 | 2,85 m | 200 l | 131.6062 | 24 V, 360 W |



Option B: Heating element 24 V, for installation **into** the trough

Heating element 24 V, 180 W, Model 6063 (Order Ref. 131.6063), with stainless steel cover and cable connection box inclusive. Frost protection of trough down to -20°C. For installation only four boring holes have to be drilled into the trough's bottom according plan. For power supply a SUEVIA **Transformer** 230/24 V is necessary: Model 390 or Model 392. For automatic switch on/off of transformer a thermostat (Order Ref. 101.0389) can be additionally installed (see page 25). To ensure a frost-free feed pipe, a **frost protection heating cable** 24 V, 20 W, 2 m (Order Ref. 101.0861), or a 24 V, 30 W, 3 m (Order Ref. 101.1863) has to be used.



Increased frost protection of the valve

For extremely cold areas subsequent installation of a valve heating Model 527 (24 V, 7 W, Order Ref. 131.0527) is recommended for increased frost protection.

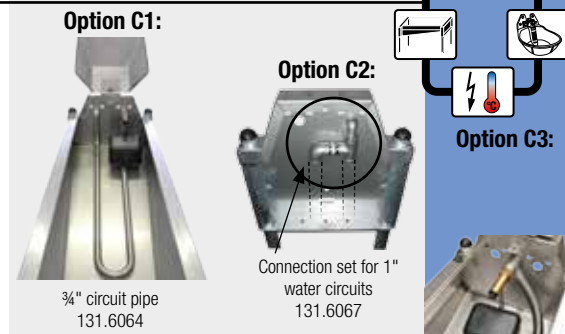


Option C: Connection to a water circuit (two options):

C1: 3/4" circuit pipe in stainless steel (Order Ref. 131.6064) suited for installation into all quick drainage troughs. If connected to a water circuit and in combination with a SUEVIA heating unit, frost protection is reached for the water line as well as for the water in the trough.

C2: Stainless steel connection set for 1" water circuits (Order Ref. 131.6067) suited for all quick drainage troughs. When using this connection set, the valve of the trough can easily be by-passed by a 1" water circuit line. For frost protection of the water in the trough an additional installation of a heating element or a frost protection guard is required.

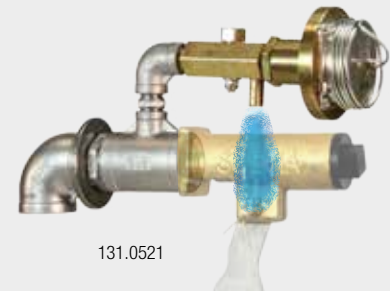
C3: 1" circuit pipe, in stainless steel: **see page 44**



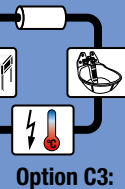
Option D: Frost protection by running water

SUEVIA 3/4" frost protection guard with connection parts (Order Ref. 131.0521).

For subsequent installation into SUEVIA quick drainage troughs. At risk of frost the installed and adjusted frost protection guard opens automatically, the adjusted water quantity flows into the trough over the float valve, situated under the frost protection guard: water in the trough remains in motion and is prevented from freezing! Surplus water produced by the frost protection guard is channeled through the hole in the lever of drainage plug. No ice in front of the trough! Frost protection without electricity!



VALVE HEATING



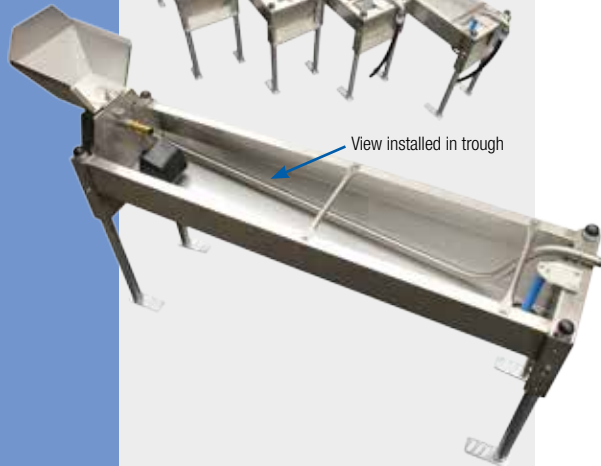
Option C3:



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TROUGHS AND DRINKERS FOR FREE STALLS



1" Circuit Pipe for SUEVIA Quick Drainage Troughs for troughs length of 140 cm, 190 cm, 230 cm, 285 cm

- The 1" circuit pipe runs through the whole trough from one end to the other. Ideal for water circuits of large free stalls.
- 1" circuit pipe is made of stainless steel. Available as accessory for Quick Drainage Troughs (130.6214, 130.6219, 130.6223, 130.6230).
- Inclusive all fittings and connection material (see pictures "example installation without accessories")
- When using a 1" circuit pipe the installation of a frost protection guard or a bite protection plate is not possible.

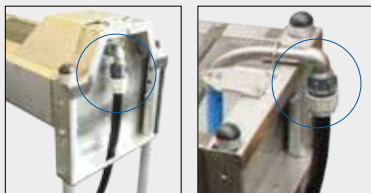
ACCESSORIES:

- **Elbow 90°, f/m, stainless steel** (Order Ref. 103.2036) to connect the 1" circuit pipe to a threaded fitting of your plastic pipe. Depending on installation you may need that twice.
- **Elbow 90°, f/f, stainless steel** (Order Ref. 103.2010) for connection of the 1" circuit pipe to a threaded fitting of your plastic pipe. Depending on your pipe you may need that twice.

Find for each trough the correct 1" circuit pipe:

| Trough (Order Ref.) | Length | 1" circuit pipe (Order Ref.) |
|---------------------|--------|------------------------------|
| 130.6214 | 1,4 m | 131.6110 |
| 130.6219 | 1,9 m | 131.6111 |
| 130.6223 | 2,3 m | 131.6112 |
| 130.6230 | 2,85 m | 131.6113 |

Installation example with elbows (accessories) and plastic pipe:



- 1" circuit pipe
- + elbow 90° f/m 1" (103.2036)
- + threaded plastic fitting for pipe (by client)

Installation example without accessories:



| Order Ref. | Type | Packaging Hints | |
|------------|-------------------------------------|-----------------|--|
| 131.6110 | 1" circuit pipe for trough 130.6214 | 1 piece | |
| 131.6111 | 1" circuit pipe for trough 130.6219 | 1 piece | |
| 131.6112 | 1" circuit pipe for trough 130.6223 | 1 piece | |
| 131.6113 | 1" circuit pipe for trough 130.6230 | 1 piece | |
| 103.2010 | Elbow 90°, f/f, 1", stainless steel | 1 piece | |
| 103.2036 | Elbow 90°, f/m, 1", stainless steel | 1 piece | |

NEW!



Plug holder DE LUXE

Order Ref. 131.6087

- Exchange kit for Quick Drainage Trough
- For an easy opening and closing of the drainage plug
- Easy opening: push the button. Easy closing: just push down



| Order Ref. | Type | Packing Hints | |
|------------|---------------------|---------------|--|
| 131.6087 | Plug holder DE LUXE | 1 piece | |