

Universal withdrawal system with level sensor chain



Benefits

- Complete withdrawal system with level sensor chain
- Universal replacement for withdrawal systems of battery tank facilities
- Reliable protection against overfilling by means of monitoring of all tanks
- Level sensor with metallised sleeve for permanent operation even with biofuel/biodiesel
- Materials resistant to biofuel and biodiesel mixtures with max. 30 % FAME
- Green fuels ready: suitable for use at tank facilities filled with the new paraffinic fuels HVO or GTL



Application

Replacement for withdrawal system at battery tank facilities of almost all manufacturers. Depending on the version, available for communicating and non-communicating systems. One base unit per system and one extension for each additional tank. The level sensor chain is completely integrated. Suitable for fuel oil (DIN 51603-1), diesel fuel (EN 590), liquid fuels as per DIN SPEC 51603-6 and DIN/TS 51603-8 as well as biofuel and biodiesel with a maximum of 30 % FAME (EN 14214). Also suitable for use with the new paraffinic fuels HVO or GTL as an admixture or 100%.

Versions

	Part no.
Base unit universal GWG 12 K/1-K-SWS communicating	20820
Extension universal GWG 12 K/1-K-SWS communicating	20824
Base unit universal GWG 12 K/1-NK-SWS not communicating	20825
Extension universal GWG 12 K/1-NK-SWS not communicating	20826

Blue part no. = in-stock items

Description

The base unit with the level sensor is mounted in the first tank (viewing in direction of filling). An extension is mounted in each additional tank of the battery tank facility. This applies to regular filling from the top. The level sensor and the level limiters are fully wired, the cables just need to be plugged in. The connector shipped with the base unit is plugged into the last extension. This closes the circuit. The connection cable to the level sensor fitting is connected in the junction box. The pipes for the withdrawal line can be connected with a diameter of 8 mm or 10 mm. The connection pipes for the withdrawal line are not included. Adapters for the tank connections of tanks of virtually all manufacturers are included.

Technical specifications

Tank height

Bis 200 cm

Suction hose can be shortened as required

Process connection

G1½

Enclosed adapters for tank connections: G2, M60 x 4, S75 x 6, flange ø 68 mm

Medium

Fuel oil EL (DIN 51603-1) with up to 30 % FAME,

Diesel fuel (EN 590) with up to 7 % FAME,

Biodiesel with up to 30 % FAME,

HVO/GTL with up to 100 %

Approval

GWG:

CE marking as per EC Construction Products Regulation 305/2011, EU 574/2014, EN 13616:2004

Float switch:

DIBt: Z-65.17-182

Scope of delivery

Base unit universal:

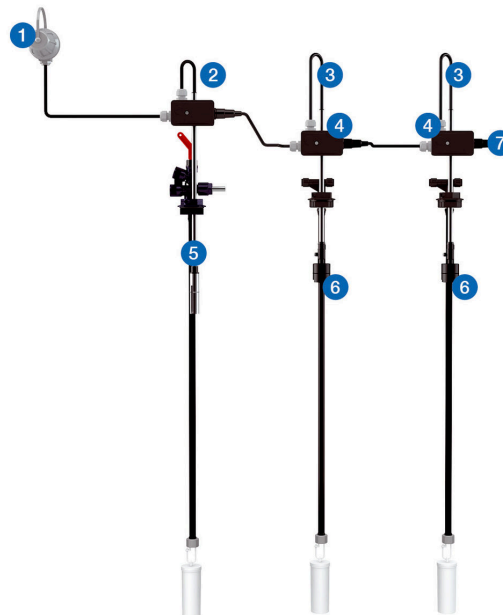
- Floating withdrawal
- Wiring box
- Terminating connector
- Level sensors
- Adapters for tank connections

Extension universal:

- Floating withdrawal
- Wiring box
- Float switch
- Connection cable
- Adapters for tank connections

Detail views

universal withdrawing system with GWG level sensor chain for protection against overfilling



1. GWG level sensor connection fitting
2. Universal base unit, communicating
3. Universal extension, communicating
4. Wiring box
5. Level sensors
6. Float switches
7. Terminating plug current circuit