



GEMGATE Limited
White Bay House
Whitegate
Co. Cork
IRELAND

Tel.: (00353) – (0)21 – 4 66 11 22
Fax: (00353) – (0)21 – 4 66 11 12
e-mail: info@gemgate.ie
www.gemgate.ie / www.gemgate.eu

Instructions for the Installation of the Potable Water Feed Set

- DIN 1988 (Germany)
- DIN EN 1717 (EU-Norm)
- provides type AA air gap compliant with UK Water Regulations
- Service-free automatic mains water top-up



In order to ensure proper operation of the WISY Potable Water Feed Set a thorough rinse of the pipe must be carried out according to DIN 1988 Part 2 beforehand:



Installation: (in accordance with German Standard DIN 1988)

- please also refer to diagrams below -

When installing the water feed set, it is absolutely necessary to ensure that the *open outlet* is in the vertical position ! The *open outlet* must always be installed vertically to the theoretical water backlog level (see *diagram 3*). Only in this installed position is an operation of the open potable water feed as an *****OPEN OUTLET***** possible.

The description of the vertical position of the open outlet is as follows:

- Mains water connection at the TOP
- Funnel outlet with outside Ø 50 mm / 2" pipe at the BOTTOM

whereby the mains water connection and the funnel outlet are vertical to each other (see *diagram 3*).

The outflow of the *open outlet* should be aligned and mounted with sealed pipe collar and outside Ø 50 mm pipe. The slow-down plumb-line of the pipe DN 50 / 2" to the *open outlet* must have a length of at least 300 mm (see *diagram 3*). Under no circumstances should the *open outlet* be installed in an area, where the open overflowing tailback of non-drinking water over the funnel edge is impeded or could be impeded !

Furthermore, the *open outlet* must be installed to allow possible overflowing water from the *open outlet* direct access to the drainage system. This means that the overflowing water from the *open outlet* must not be compelled or caught in a separate container but should flow directly into a ground level drain. Installation in the cistern/tank is not permitted!

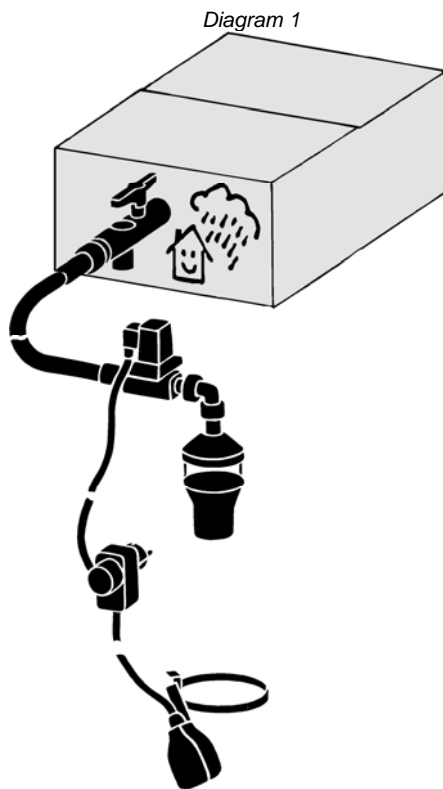
When installing the Potable Water Feed Set the following should be adhered to:

The *open outlet* should not be exposed to excessive draw-, pressure- and torsion-forces. Otherwise damage to the mechanical parts of the *open outlet* may occur, affecting its performance and perhaps even losing efficiency in accordance with DIN 1988 Standards.

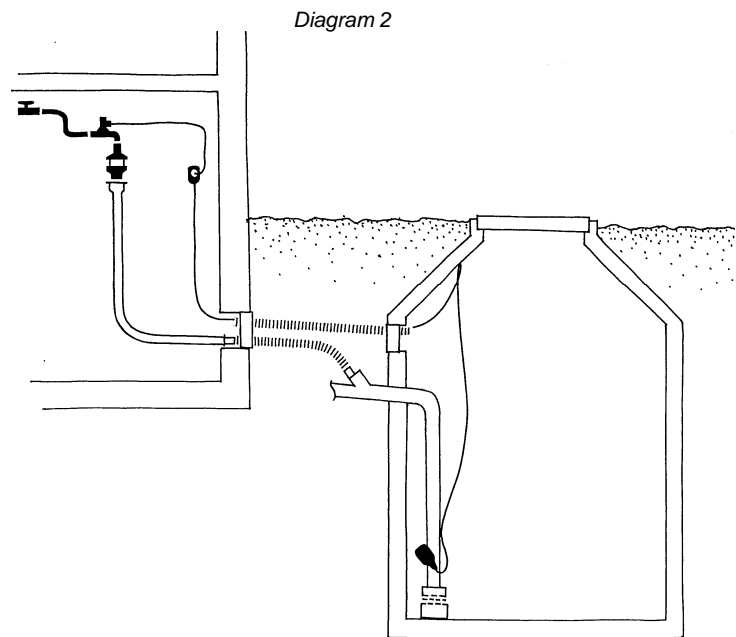
The *open outlet* must be installed at least 150 mm above the subsequent possible non-drinking water drain backflow level (i.e. the distance between the drinking water system funnel end and highest possible domestic water level must be at least 150 mm – (see *diagram 3*))

Furthermore, the installation of the Potable Water Feed Set is subject to the standards and provisions laid down by DIN 1988 as well as the technical regulations for drinking water installations and up-to-date general technical standards.

Please note: the installation must be carried out in accordance with the respective domestic regulations.



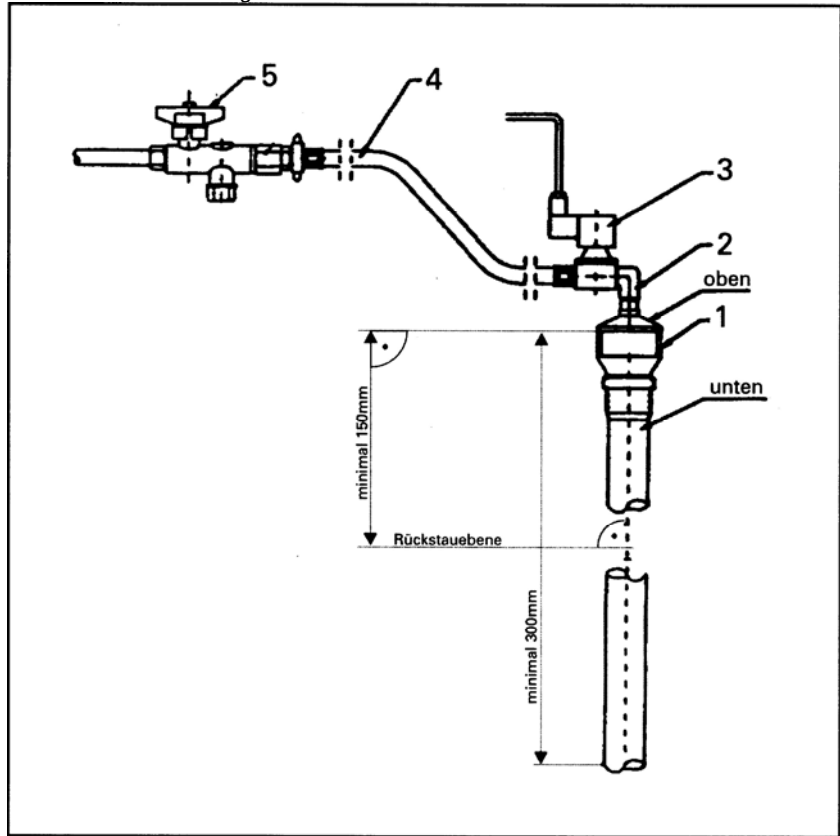
Set of components



Installation Example

Diagram 3

1. Open-Outlet
2. 90° bend for ½", straight pipe for larger versions
3. solenoid valve
4. connecting tube (sizes ½", ¾", 1", 1½", 2")
5. brass ball valve with dirt trap



(Rückstauenebene = theoretical water backlog level)

Float-Switch with switch-lever for water feed > filling

The switch-lever defines exact switching points of either 4 cm or 9 cm – see diagram below.
 To set the tank top-up level to 4 cm, ensure that the fastening-clip is installed with the 4 pointing upwards.
 Then fasten float-switch to the stainless steel clip with the help of the fastening clip-button.
 The stainless steel clip (100-140 mm) is then mounted at the desired tank level on the down-pipe or submersible pump.

Please ensure that the cable does not impede the free movement of the float-switch!

The loose cable-end must not come into contact with water and is to be connected in dry-conditions or in at least IP65 or better conditions.

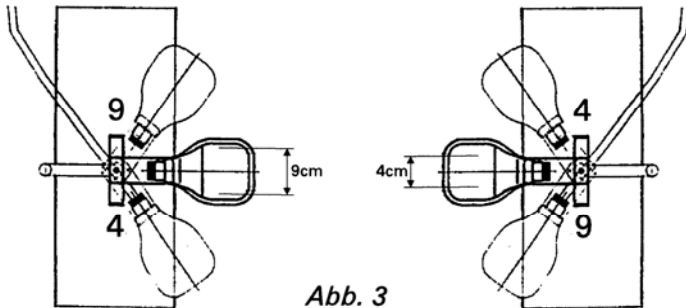
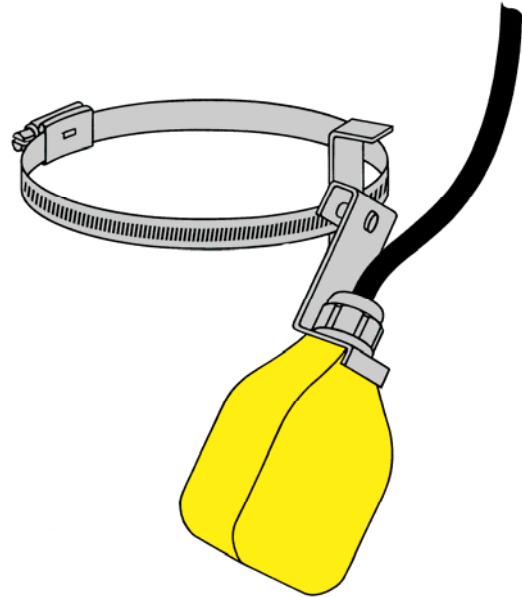


Abb. 3

Operation Temp.: -25°C to 60°C

10(8)A – 230 V – 1Ph – AC

yellow-green = protective earthing conductor
 brown = COM
 blue = neutral conductor

GEMGATE Limited
 White Bay House
 Whitegate, Co. Cork
 IRELAND

Tel.: +353 (0)21 - 4 66 11 22 / +353 (0)86 - 168 66 74
 Fax: +353 (0)21 - 4 66 11 12
 Email: info@gemgate.ie / info@gemgate.eu / gemgate@eircom.net