COMMISSIONING

Heat, cold water and hot water meters

1. System support (communication)

If included in the quotation and ordered when the order is placed, this comprises: attendance at 1 – 2 coordination meetings (convened by the heating installer). Attendance at a site inspection (arranged by the heating installer), together with the electrical, heating and, where applicable, sanitary installers, based on a metering point allocation list with wiring diagram (usually prepared by the electrical planner).

2. Installation set

1. Instead of the ordered heat meter, we initially supply an installation kit. This allows the installer to complete the hydraulic part of the metering point and then flush the heating system thoroughly before the meter is installed. An installation kit consists of:
2. 1 water meter spacer with seals (for Woltman meters: housing with blind cover instead of spacer),
3. 2 couplings (for meters with threaded connections),
4. 2 immersion pockets for the temperature sensors or 1 supply temperature sensor adapter for direct installation of the return temperature sensor in the flow sensor.

3. Metering point preparation

Important for the electrician: The electrician lays the power cable (for mains-powered or externally powered devices) to the calculator and connects it electrically. **Mains supply directly from the busbar, sealable; separate fuse protection; do not connect any other consumers to the same fuse.**

For externally powered calculators, the power supply unit must be installed and connected by the electrician in advance.

4. Request for commissioning

Once the metering point preparation has been completed, the system has been thoroughly flushed and the measuring devices have been installed, the customer or installer requests commissioning from **GWF in writing using the official request form** three to four weeks in advance (see page 2).

5. Commissioning

GWF will ensure that the work is carried out as quickly as possible. Personnel familiar with the system must be provided on site for commissioning; the system must be ready for operation and the meters must be installed in accordance with the installation instructions and electrically wired. Additional work and operational waiting times of our customer service staff will be invoiced separately according to the actual time spent. Commissioning comprises:

1. Checking the correct positioning of the metering installation within the heating or sanitary system,
2. Checking the maximum water flow rate (where possible),
3. Functional test of the metering installation.
4. Programming of the BUS addresses as specified by the client or the system specifications
5. Recording and logging of the metering points found on site using the commissioning report

6. Rules for short-notice postponements or cancellations

In the event of short-notice postponements or cancellations (less than 48 hours before the agreed appointment), compensation costs are to be expected. If the planning time that has become available at short notice cannot be used otherwise, GWF AG reserves the right to invoice 80 % of the service costs included in the order in proportion to the downtime. The same applies if the system registered for commissioning is not ready for operation (according to the information in the commissioning information sheet) and the planned commissioning has to be cancelled as a result. In this case, services already provided for the property concerned will be invoiced on the basis of the applicable time and material rates and not at the agreed conditions.

7. Warranty

Warranty services are provided in accordance with the General Terms and Conditions (GTC)

ENERGY AND WATER METERING POINTS

Request for commissioning

Dear Sir or Madam

To ensure that the GWF metering points installed in the property mentioned can be commissioned on schedule and cost-effectively, please fill in the request for commissioning completely, sign it and send it to service@gwf.ch.

Billing address
Name
Address
Phone
Responsible
E-mail
Invoice reference

Installer / if different from billing address
Name
Address
Phone
Responsible
E-mail

On-site contact
Name
Phone
Position

Electrical installer
Name
Address
Phone
Contact person

Personnel familiar with the system must be present during commissioning and the system must be in operation! Additional visits will be invoiced separately according to the actual time spent.

Place, date:

Customer signature:

Property
Name
Address
GWF order confirmation SO no.
Number of metering points _____ Water _____ Energy
Requested date

Owner / property management address
Name
Address
Phone
Responsible
E-mail

The following work must be completed and is essential for successful commissioning:

- → **The meters must be electrically connected!**
- → **The pipes must be flushed!**
- → **The system must be in operation!**



Apartment occupied	☐ Yes	☐ No
Heating / heat pump in operation	☐ Yes	☐ No

The following equipment is required for commissioning the metering points:

Ladder	☐ Yes	☐ No

If the installation height exceeds 2.5 m, a ladder / lifting platform must be provided on site!

M-Bus central reading system:

M-Bus system	☐ Yes	☐ No
GWF data centre	☐ Yes	☐ No

If no, contact details of the control system supplier:

M-Bus addressing:

According to specified metering point list	☐ Yes	☐ No

Remarks: