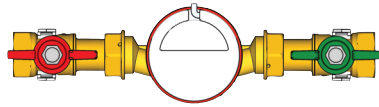

GE550Y004

GE550Y014

Description

Domestic water unit outputs **GE550** are used to meter domestic water consumptions.

They include a pair of shut-off valves, a single-jet water meter (GE552Y190-191) and a spacer to replace the water meter.

The water meter is equipped with a totalizer to read consumptions; a pulse output enables smart metering via M-Bus.

The check valve integrated in the shut-off valve with a green handle provides highly reliable readings.

The handles of the other shut-off valves are blue or red respectively for domestic cold or hot water outputs.

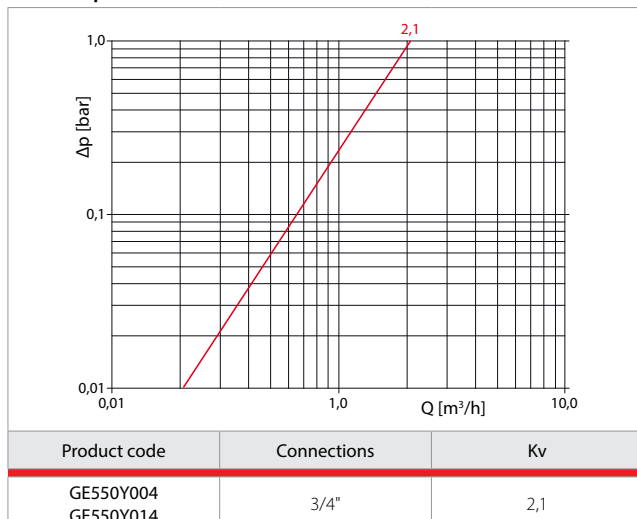
Versions and product codes

Codice	Tipo di acqua sanitaria	Attacchi	Interasse di montaggio [mm]
GE550Y004	fredda	3/4"	110
GE550Y014	calda	3/4"	110

Technical data

- Max. working temperature:
30 °C for domestic cold water meter
90 °C for domestic hot water meter
- Max. working pressure: 16 bar (10 bar with plastic spacer)

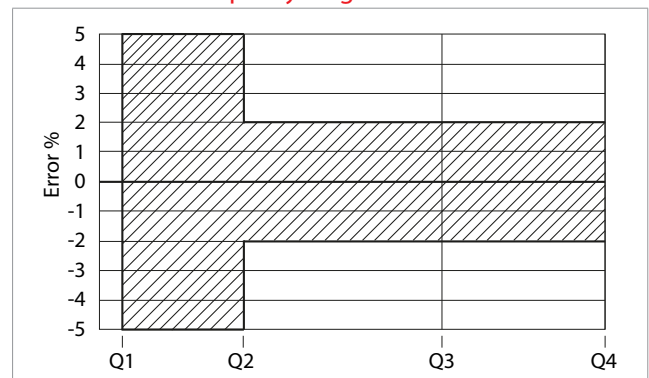
Losses of pressure



Main characteristics

- Horizontal or vertical installation
- Shut-off valves welded to water meter
- Dial with mechanical totalizers and index for partial consumptions and flow
- Pulse output with M-Bus presetting (1 pulse = 10 liters)
- Spacer for water meter for installation on site
- Brackets for fitting in user modules
- Brass shut-off valves with full port, chrome-plated ball, PTFE seals
- Check valve with POM resin body and inner parts, stainless steel spring
- CE marking (MID compliance)

Water meter error quality diagram

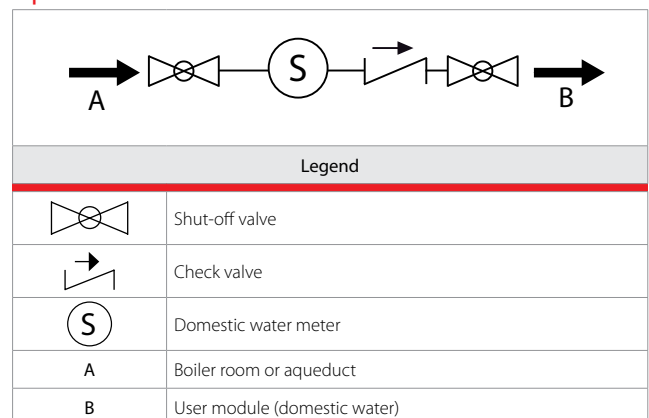


GE552Y190, GE552Y191 (3/4")

Installation	Q3 [m³/h]	Q1 [m³/h]	Q2 [m³/h]	Q4 [m³/h]
Horizontal	2,5	0,031	0,050	3,1
Vertical	2,5	0,063	0,100	3,1

• Q2 / Q1 = 1,6
 • Q3 / Q1 = 80 (horizontal installation)
 • Q3 / Q1 = 40 (vertical installation)

Operation

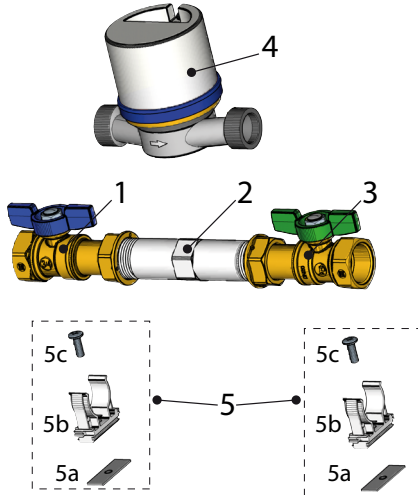




Installation


Warning.

Comply with rules provided for use (installation, fitting, etc.), operation, recalibration and replacement of water meters. Also refer to assembly instructions.


Legend

1	Shut-off valve
2	Plastic spacer for water meter
3	Shut-off valve with integrated check function
4	Domestic water meter
5	Support unit

The two shut-off valves (1 - 3) are connected to the spacer (2) and sealing is provided by special gaskets.

We recommend replacing the water meter with the spacer to flush the system before installing the water meter.

To install the domestic water output in the user modules, use the two support units (5): metering cabinets are equipped with special guides; the plate must be installed inside the guide (5a); the clip (5b) must be installed on top of the guide and tightened using the screw (5c). We recommend preinstalling the support assembly before fitting the plate into the guide so that the only operation required is tightening of the screw.

Once the system has been flushed, the spacer (2) can be replaced with the water meter (4).

After installing all parts, test the system under pressure.


Warning.

Follow flow directions shown on water meter.

Data centralization

Water meter data can be remoted with energy meters GE552 and centralization components GE552-4.

Dimensions

Product code	A [mm]	B [mm]
GE550Y004	262	66
GE550Y014	262	66

Standards of reference

- CE marking
- MID (2014/32/EU)

Product specifications

GE550Y004

Domestic cold water meter output. Connections 3/4". Two shut-off valves with blue and green handles, chrome-plated ball, PTFE seals. Check valve with POM resin body and inner parts, stainless steel spring. Domestic cold water single-jet meter, with pulse output (REED contact), nominal flow rate 2,5 m³/h, center distance 110 mm. Plastic spacer for system flushing. Brackets for cabinet installation. Output length 262 mm. Max. working temperature 30 °C. Max. working pressure 16 bar. CE marking (MID compliance).

GE550Y014

Domestic hot water meter output. Connections 3/4". Two shut-off valves with red and green handles, chrome-plated ball, PTFE seals. Check valve with POM resin body and inner parts, stainless steel spring. Domestic hot water single-jet meter, with pulse output (REED contact), nominal flow rate 2,5 m³/h, center distance 110 mm. Plastic spacer for system flushing. Brackets for cabinet installation. Output length 262 mm. Max. working temperature 90 °C. Max. working pressure 16 bar. CE marking (MID compliance).


Nota.

For additional information on domestic water meters GE552Y190-191, refer to technical sheet 0474EN.

Additional information

For more information, go to www.giacomini.com or contact our technical assistance service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ consulenza.prodotto@giacomini.com
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