

ANTARES

for water and fire



E.149.12
E.149.14
E.149.92

UK Thermostatic mixer Art E.149 from 1" - 1 1/4" - 1 1/2" for insulation panels

The thermostatic mixer automatically regulates at a preset value the hot water for insulation panels or underfloor heating systems where it is necessary to lower the temperature of water from the boiler.

Body in sanded brass and chrome. Range of regulation 30÷65°C Scale from 1÷5 minimum encumbrance, can be installed directly before the distribution manifolds for lowering temperature on underfloor heating systems.

Connections	1" M x 1" M x 1/2" M	1 1/4" M x 1 1/4" M x 1 1/4" M	1 1/2" M x 1 1/2" M x 1 1/2" M
Art. code	E.149.92	E.149.14	E.149.12
Delivery lt/h	4320	6120	7980
Loss of delivery KV	3,2	7,4	7,6

for optional connections see accessories below

Material **Characteristics**

- Body in coined brass UNI EN 12165 CW617N – sanded and chromed
- Valve and internal parts: brass UNI EN12165 CW614N
- Spring : stainless steel AISI 302
- O-ring: NBR
- Knob: NYLON
- Temperature sensor in wax
- Max. static pressure : 1.000 Kpa (10 Bar)
- Working pressure: 100 ÷ 500 Kpa (1 ÷ 5 Bar)
- Max incoming temp.: 85°C
- Setting range: 30 ÷ 65°C
- Regulation at: ± 2°C
- Max incoming difference pressure between entrances: 0,5 Bar

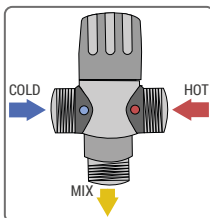
Warnings

The thermostatic mixer must be installed by professionally qualified persons in accordance with the instructions forwarded in this leaflet and in accordance with the current legislation. The supplier declines any responsibility from improper use. If the thermostatic mixers are not installed and put into use correctly in accordance with

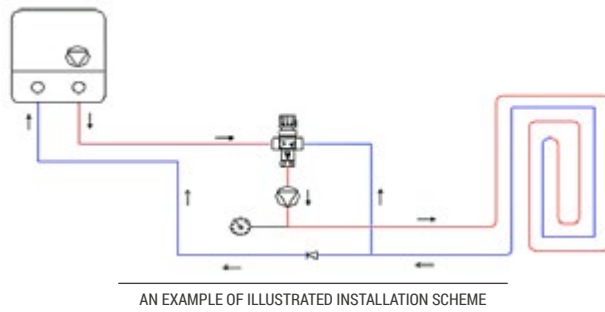
instructions, they cannot work correctly and endanger people and property. Be assured that all the fittings are water tight. When carrying out the hydraulic fittings, be careful not to over exert mechanically the thread of the valve body. Water temp. over 50°C can provoke scalding. Whilst installing, putting into use and maintenance, take the necessary precautions not to endanger people.

Installation

The mixer can be installed vertically as well as horizontally. Adhere diligently to connections indicated on body and in diagram:



HOT (H) RED LABEL – hot water
COLD (C) BLUE LABEL – cold water
MIX – mixed water
If the water pressure of hot or cold is quite different between themselves we advise the instalment of a check valve on the ports. (see art.P.002).
If the incoming water has debris then we advise the instalment of a filter.
P.S. SEE ACCESSORY CONNECTION KITS.



Function

The thermostatic mixer is pre-set in the factory using cold water at 15°C and hot water at 65°C 3bar in a way that the numbers printed on the knob correspond approximately to the following temperature.

Position of knob	Min	1	2	3	4	5	6	Max
Temperature (°C)	-	30	35	40	50	60	65	-

Connection fittings for mixing valves

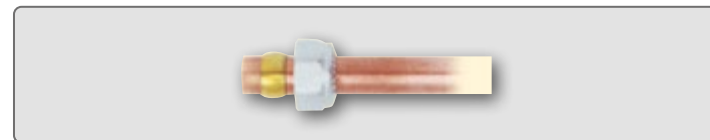


Art. P.002

Brass fitting with nylon check-valve insertion positioned in two directions.

To ensure a single flow direction to prevent possible contamination.

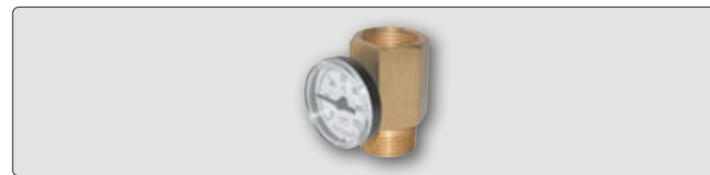
Nut	3/4" F	1" F	1 1/4" F	1 1/2" F	1 1/2" F
Spigot	1/2" M	3/4" M	1" M	1" M	1 1/4" M
Order code	P.002.02	P.002.03	P.002.30	P.002.10	P.002.14



Art. U.006

Brass nut with olive in brass for the connection with copper pipes.

Connections	3/8" F x 1/2"	1/2" F x 1/4"	1/2" F x 1/5"	1/2" F x 1/6"	1" F x 2/2"
Order code	U.006.52	U.006.54	U.006.55	U.006.56	U.006.72



Art. G.133

M.F. brass fitting for thermometer or probe immersion pocket. With or without thermometer art. E. 078.

Cover type	Length 30 mm. - internal Ø 9,5 mm.					
Diameter Ø	1/2" F x 1/2" M		3/4" F x 3/4" M		3/4" F x 3/4" M	
End type	cone		Eurocone		flat	
Model	w/o thermom.	w thermom.	w/o thermom.	w thermom.	w/o thermom.	w thermom.
Order code	G.133.52	G.133.42	G.133.53	G.133.43	G.133.60	G.133.80
Cover type	Length 30 mm. - internal Ø 10 mm.					
Diameter Ø	1" F x 1" M		1 1/4" F x 1 1/4" M		1 1/2" F x 1 1/2" M	
End type	flat		flat		flat	
Model	w/o thermom.	w thermom.	w/o thermom.	w thermom.	w/o thermom.	w thermom.
Order code	G.133.50	G.133.40	G.133.54	G.133.84	G.133.62	G.133.82



Art. G.183

Brass joint consisting of swivel metal sleeves and spigot. Flat seat.

Metal sleeve Ø	3/4" F	1" F	1 1/4" F	1 1/2" F	2" F
Spigot Ø	1/2" M	3/4" M	1" M	1 1/4" M	1 1/2" M
Order code	G.183.02	G.183.03	G.183.10	G.183.14	G.183.12

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