



Radiant heating and geothermal manifolds

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GEO THERM

GEO THERM is a manually controlled modular manifold with a 1¼" head complete with automatic air vent block, load/drain valves, brackets and thermometers. It has been designed and engineered with the aim of optimizing all the geothermal systems with pipes up to 25mm in diameter.

The special interception system on every single circuit allows ample flow rate.



CODE	OUTLETS	DIMENSIONS mm.
GEO00002004	2+2	195 x 105 x 330
GEO00003004	3+3	250 x 105 x 330
GEO00004004	4+4	305 x 105 x 330
GEO00005004	5+5	360 x 105 x 330
GEO00006004	6+6	415 x 105 x 330
GEO00007004	7+7	470 x 105 x 330
GEO00008004	8+8	525 x 105 x 330
GEO00009004	9+9	580 x 105 x 330
GEO00010004	10+10	635 x 105 x 330
GEO00011004	11+11	690 x 105 x 330
GEO00012004	12+12	745 x 105 x 330
GEO00013004	13+13	800 x 105 x 330
GEO00014004	14+14	855 x 105 x 330
GEO00015004	15+15	910 x 105 x 330
GEO00016004	16+16	965 x 105 x 330

Its main features includes:

- Perfect modularity and flexibility of adaptation to any use
- Totality of the components
- Guaranteed working
- Anti-condensation
- Resistant to chemical agent, UV raysozone, etc.
- Extremely low charge loss

Performance (with water, glycol solutions):

Max percentage of glycol:	50%
Standard working pressure:	1,5÷2,5 bar
Max working pressure:	4 bar
Test pressure:	3 bar
Temperature range:	-10÷82°C
Manifold connection:	1¼" x 1¼"
Outlets connection:	¾"
Centers distance:	55 mm

Highly technological thermoplastic material are used to obtain such characteristics.

The component material is standard grade polyamid reinforced with 50% glass fibres glass which permits the attainment of the mechanical characteristics similar to those of light alloys, but with a decisively higher resistance to the atmospheric agents.

Materials:

Supply/Return module

body:	PAE777
knob:	ABS
screw:	C15
nut:	CW614N
stem:	CW614N
insert:	CW614N
O-rings:	NBR70
seal:	EPDM
¾" connection:	CW614N

Kit

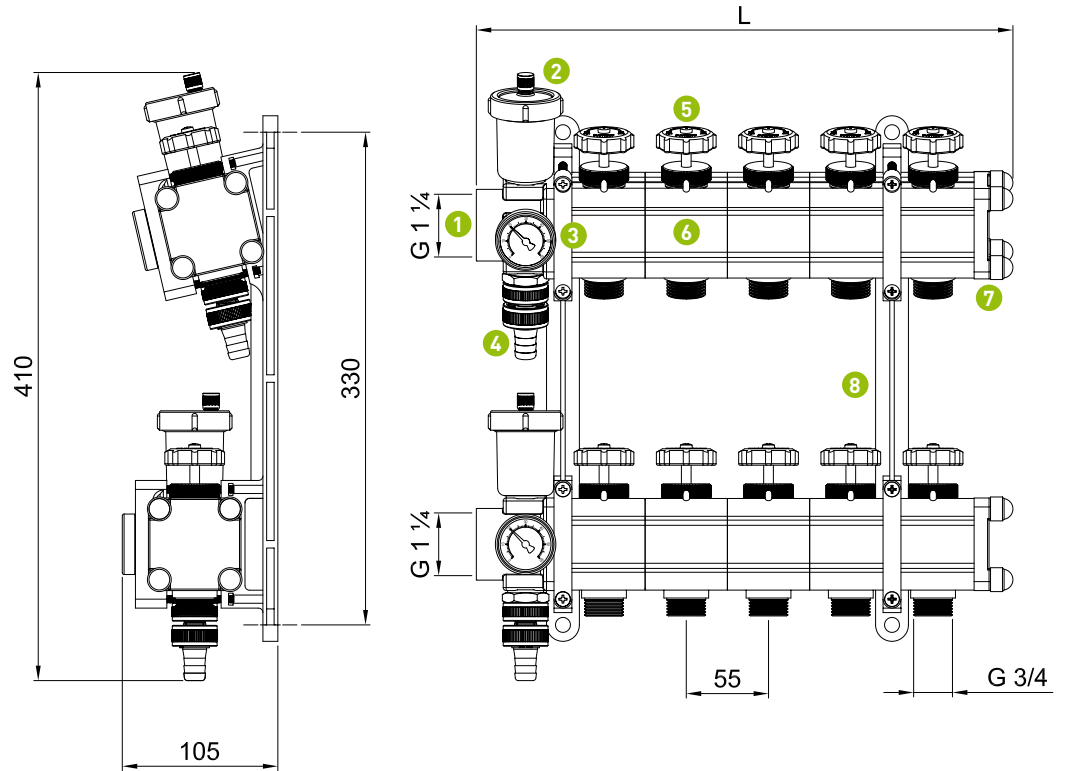
1¼" head:	CW617N
end part:	PAE777
brackets:	PP
screws:	C15
threaded rod:	FE37 zincato CR3
brass parts:	CW617N
drain valve:	PA6
O-rings:	NBR70

The design and construction of the modules allow for additions to the heater circuit with minimal increase in resistance thus allowing for reduced flow temperatures.

The characteristics of the manifold prevent the formation of calcium deposits thus guaranteeing limitless durability.

TECHNICAL DATA

- 1 1 ¼" brass head
- 2 Automatic air vent block
- 3 Thermometer
- 4 Drain valve
- 5 Open/close knob
- 6 Module
- 7 Terminal
- 8 Brackets



# lines	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L	195	250	305	360	415	470	525	580	635	690	745	800	855	910	965

DISTRIBUTION MANIFOLD REGULATION - LOAD LOSS

