



General characteristics

- Tubular elements in AISI 316L stainless steel, AISI 321 stainless steel or nickel-plated copper.
- Recipient of 3" in diameter in St37 steel, with an outer layer of anticorrosive paint
- Circuit input/output connection hoses of 1" female gas thread.
- Threaded heads of stamped brass or AISI 304 stainless steel.
- All models include a sheath of the same material as the heating element pipe, and a bulb thermostat with automatic reset, regulating scales 0/90°C; 30/85°C or 36/125°C according to models.
- Adjustable aluminium connection box, with IP-66 protection according to standard EN-60529.
- It is supplied with all accessories for connection, attachment and connection of the thermostat.
- All models include a 1/2" female gas thread hose for attaching a temperature probe (Not included)
- GCP-TR in line heaters are designed for working at a maximum design pressure of 6 bar and maximum design temperature indicated according to models.
- Optionally, together with the GCP-TR heater unit we can provide the switchboard with all the components and protections needed for its connection: heat-controllers, buttons, contactors, differential, magneto-thermal, etc.
- Standardised current 3~230 V Δ, 3~400 V ▲
- To order, made to measure heating elements can be manufactured according to your specifications:
 - Tubular elements in: AISI 316L, Incoloy®-800 e Incoloy®-825 and Titanium
 - Stainless steel or Titanium heads.
- Units according to Para. 3 Art. 3 of the Pressurised Units Directive 97/23 CE.

Standardised GCB-TR-AC models, range for heating oil, with AISI 321 stainless steel tube heating elements. Design temperature 125 °C

Code		Watts	W/cm ²	Thermostat range	I/O Sleeve	Dimensions in mm	
Steel St 37.0 vessel	Stainless steel AISI 316L vessel					A	B
GCP-TR-AC0010	GCP-TR-INOX-AC0010	1250	2,5	36 / 125 °C	1" Gas-H	565	390
GCP-TR-AC0022	GCP-TR-INOX-AC0022	2250	2,5	36 / 125 °C	1" Gas-H	665	490
GCP-TR-AC0030	GCP-TR-INOX-AC0030	3000	2,6	36 / 125 °C	1" Gas-H	790	615
GCP-TR-AC0045	GCP-TR-INOX-AC0045	4500	2,5	36 / 125 °C	1" Gas-H	1100	925
GCP-TR-AC0060	GCP-TR-INOX-AC0060	6000	2,5	36 / 125 °C	1" Gas-H	1315	1140
GCP-TR-AC0090	GCP-TR-INOX-AC0090	9000	2,7	36 / 125 °C	1" Gas-H	1715	1540

For heating element spares, please consult our Europa Range heating elements, models CR212AC

Standardised GCB-TR-CN models, range for heating water, with nickel-plated copper tube heating elements. Design temperature 90 °C

Code	Watts	W/cm ²	Thermostat range	I/O Sleeve	Dimensions in mm	
Steel St 37.0 vessel					A	B
GCP-TR-CN0040	4000	8,7	30 / 85 °C	1" Gas-H	565	390
GCP-TR-CN0060	6000	8,6	30 / 85 °C	1" Gas-H	565	390
GCP-TR-CN0080	8000	8,6	30 / 85 °C	1" Gas-H	665	490
GCP-TR-CN0100	10000	8,7	30 / 85 °C	1" Gas-H	665	490
GCP-TR-CN0150	15000	8,1	0 / 90 °C	1" Gas-H	1100	925
GCP-TR-CN0200	20000	8,2	0 / 90 °C	1" Gas-H	1100	925
GCP-TR-CN0240	24000	8,1	0 / 90 °C	1" Gas-H	1315	1140
GCP-TR-CN0350	35000	8,5	0 / 90 °C	1" Gas-H	1715	1540

For heating element spares, please consult our Europa Range heating elements, models CR212CN

Standardised GCB-TR-II models, range for heating water or other fluids, with AISI 316L stainless steel tube heating elements. Design temperature 90 °C

Code		Watts	W/cm ²	Thermostat range	I/O Sleeve	Dimensions in mm	
Steel St 37.0 vessel	Stainless steel AISI 316L vessel					A	B
GCP-TR-II0030	GCP-TR-INOX-II0030	3000	6,6	30 / 85 °C	1" Gas-H	565	390
GCP-TR-II0045	GCP-TR-INOX-II0045	4500	6,5	30 / 85 °C	1" Gas-H	665	490
GCP-TR-II0060	GCP-TR-INOX-II0060	6000	6,2	30 / 85 °C	1" Gas-H	790	615
GCP-TR-II0090	GCP-TR-INOX-II0090	9000	6,3	30 / 85 °C	1" Gas-H	1100	925
GCP-TR-II0120	GCP-TR-INOX-II0120	12000	6,4	0 / 90 °C	1" Gas-H	1315	1140

For heating element spares, please consult our Europa Range heating elements, models CR212II

IMPORTANT NOTE: For a fluid exit temperature > 60 °C, fireproofing of the in line heater is obligatory. If you so wish, we can supply your GCP-TR in line heating unit completely fireproofed with elastomer foam. For this purpose, please add CAL to the code on your order.

Example: 6000 W in line heating unit for oil with fireproofed recipient, model **GCP-TR-AC0060- CAL**