

GROUP 1 - Immersion heaters, drum heaters and accessories

1.16 - Heating groups with flange

The GCB heating groups consist of a group of hairpin shaped elements soldered to standardised DIN2527 or ANSI flange of suitable diameter and nominal pressure, with its corresponding connection box.

The GCB heating groups are specifically adapted for heating and temperature maintenance of large volumes or for heating of fluids in circulation, such as water, heavy fuel-oil, thermal oils, air or gas.

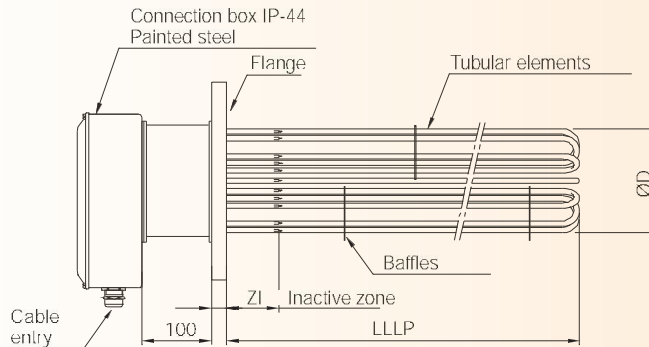
Installation may be carried out indistinctly in vats or cisterns, in boilers or pass superheaters.

They represent an optimum electric heating system for such diverse industries as agroalimentary, chemical, textile, etc.

General characteristics

- Power according to your specifications
- Three-phase voltage up to 750 V Δ
- Density load up to 16 W/cm². Recommended density load according to applications
 - 1 to 3 W/cm² → Air, ovens
 - 1,2 W/cm² → Heavy fuel-oil
 - 2 to 4 W/cm² → Thermic oil, light fuel-oil
 - 6 to 8 W/cm² → Water
- Shape "U" tubular elements
- Tube material in stainless steel AISI 321, AISI 316L, Incoloy®-800, Incoloy®-825 or nicked copper
- Standardized tube diameters: Ø8, Ø10, Ø16 mm
- Maximum length flat plate: 3300 mm
- Standard flanges: DIN - ANSI in stainless steel or steel
- Connection box IP-44.
- Temperature control with thermostat, limiter, thermocouple or PT100 sensor

GCB



If you wish to receive an offer for the GCB heating groups appropriate to your needs, please complete the attached tables indicating the data requested and send it by fax. You will receive a quote from us as soon as possible.

Company	
Contact person	
Phone	Fax
E-mail	
Quantity:	Units
	Units
	Units

Process requirements	
Medium to heat: (Indicate material)	Liquid <input type="checkbox"/>
	Gas <input type="checkbox"/>
Static material	V m ³
In line material	O m ³ /h
Work temperature	°C
Inlet temperature	°C
Outlet temperature	°C
Design pressure	P kg/cm ²

Electrical characteristics	
Total Watts	kW
Power supply	V (Mono-phase)
	V (Three-phase)
Connection	Mono-phase
	Three-phase Δ
	Three-phase Δ
N ^{er} steps	
Density load	W/cm ²

Tubular element characteristics			
Tube material	SS AISI 321 <input type="checkbox"/>	Incoloy®-825 <input type="checkbox"/>	
	SS AISI 316L <input type="checkbox"/>	Steel <input type="checkbox"/>	
	Incoloy®-800 <input type="checkbox"/>	Copper <input type="checkbox"/>	
Tube diameter	Ø8 mm <input type="checkbox"/>	Ø16 mm <input type="checkbox"/>	
	Ø10 mm <input type="checkbox"/>		

Flange characteristics		
Material	Steel <input type="checkbox"/>	
	SS AISI 321 <input type="checkbox"/>	
Nominal characteristics	SS AISI 321 <input type="checkbox"/>	
	DIN2527 Norm	ANSI 16.5 Norm
	DN	DN
	PN	lbs

Dimensions in mm	
Length flat plate	LLL
Inactive zone	ZI
Bunch of elements	ØD

Temperature control		
Safety	Fluid temperature	°C
	Tube temperature	°C
Control	Fluid temperature	°C
Type	Thermostat (ON/OFF) <input type="checkbox"/>	Range °C
	Thermocouple sensor. Type:	
	J <input type="checkbox"/>	PT100 <input type="checkbox"/>
	K <input type="checkbox"/>	
Position (Flat plate)		mm