

GCHCIS

Small Capacity/Low Flow Gas Applications

- Cartridge Heater Design
- Stainless Steel Pipe Body
- 0.5 - 3 kW
- 120 and 240V, Single Phase
- INCOLOY® Sheath Elements (37 W/in²)
- General Purpose or Moisture Resistant/Explosion Resistant Terminal Enclosure
- Internal Overtemperature Protection (type K T/C)
- Process Temperature Sensor in Outlet (type J T/C)

Applications

Gas — Designed to efficiently heat gases, particularly at low-flow rates and relatively high temperatures. (Outlet temperatures to 600°F.)

Features

Terminal Enclosure — Available with E1 General Purpose or E2 Moisture Resistant/Explosion Resistant.

Cartridge Heater Element — INCOLOY® sheath and spiral wound baffle for efficient heat transfer.

Vessel — Stainless Steel (304) construction of all wetted parts.

Thermal Insulation — High temperature pipe insulation inside protective outer jacket.

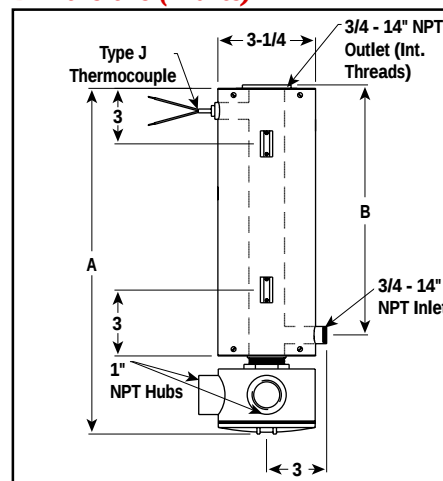
Process Control — Accurate process control using a Type J thermocouple located in the heater outlet.

High Limit Sensor — Integral overtemperature protection using a Type K thermocouple located inside the cartridge heating element sheath.

Installation — Compact rugged design permits easy installation.



Dimensions (Inches)



Heater with E2 Terminal Enclosure.

Specifications and Ordering Information

kW	Volts	Ckt & Phase	DIM (In.)		Model	Stock	PCN	Wt. (Lbs.)
			A	B				
1 inch, 304 stainless steel pipe body — 1 INCOLOY® cartridge element (37 W/in²) — E1 terminal enclosure								
0.5	120	1-1	14	8	GCHCIS-01-0P50-E1	NS	024483	3
0.5	240	1-1	14	8	GCHCIS-01-0P50-E1	NS	024491	3
1	120	1-1	20	14	GCHCIS-01-001P-E1	NS	024504	3
1	240	1-1	20	14	GCHCIS-01-001P-E1	NS	024512	3
2	120	1-1	32	26	GCHCIS-01-002P-E1	NS	024520	4
2	240	1-1	32	26	GCHCIS-01-002P-E1	NS	024539	4
3	240	1-1	44	38	GCHCIS-01-003P-E1	NS	024547	4

Stock Status: S = stock AS = assembly stock NS = non-stock
To Order—Specify model, volts, phase, kW, PCN and quantity.

- Order Electronic Controls separately for remote mounting. Consult Controls section for details.
- Special voltage and wattage ratings available. Contact your Local Chromalox Sales office.

Ordering Information

To Order — Complete the Model Number using the Matrix provided.

Model	Small Capacity/Low Flow Gas			
GCH	Gas Circulation Heater			
C	Cartridge Element			
IS	INCOLOY® Sheath — Stainless Steel Vessel			
Code	Number of Elements			
01	One			
Code	Watts			
0P50	500	002P	2,000	
001P	1,000	003P	3,000	
Code	Terminal Enclosure			
E1	General Purpose			
E2	Moisture Resistant/Explosion Resistant			
GCHCIS	01	0P50	E1	Typical Model Number