



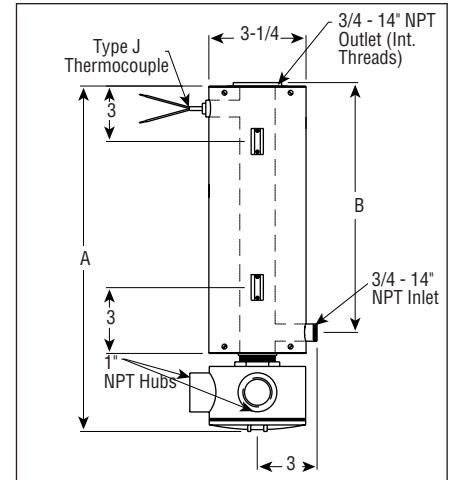
SMALL CAPACITY/LOW FLOW GAS APPLICATIONS

GCHCIS Series

- ✔ 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)



Dimensions (Inches)



Heater with E2 Terminal Enclosure.

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.

To Order (Specify Model Number)

MOST POPULAR ITEMS HIGHLIGHTED

kW	Volts	Ckt & Phase	Dimensions (In.)		Model No.	Price	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-E1/120	\$1166	3
0.5	240	1-1	14	8	GCHCIS-01-0P50-E1/240	1166	3
1	120	1-1	20	14	GCHCIS-01-001P-E1/120	1359	3
1	240	1-1	20	14	GCHCIS-01-001P-E1/240	1359	3
2	120	1-1	32	26	GCHCIS-01-002P-E1/120	1461	4
2	240	1-1	32	26	GCHCIS-01-002P-E1/240	1461	4
3	240	1-1	44	38	GCHCIS-01-003P-E1/240	1577	4

Ordering Example: GCHCIS-01-001P-E1/120 is a 1 kW, 120 Volt Heater, \$1359.

1. Order Electronic Controls separately for remote mounting. Consult Controls section for details.

2. Special voltage and wattage ratings available. .

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			
OP50	500	002P	2,000	
001P	1,000	003P	3,000	
Code	Terminal Enclosure			
E1	General Purpose			
E2	Moisture Resistant/Explosion Resistant			
GCHCIS	01	OP50	E1	Typical Model Number

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters