

GCHMTIR

Medium Temperature Steam, Air & Gas Applications

- 2 - 1/2" NPT Steel Screw Plug Design
- 2 - 1/2" Carbon Steel Pipe Body, 150 Lb Construction
- 750°F Max. Vessel Temp., 1600°F Max. Sheath Temp.
- 1 - 9 kW
- 120, 240 and 480V, 1 & 3 Phase
- General Purpose, Moisture Resistant/Explosion Resistant or Moisture Resistant Terminal Enclosure
- Three 0.475" Dia. INCOLOY® Sheath Elements (15 W/In²)
- Side Mounted AR Thermostat (200 - 550°F)
- CSA and Other Third Party Approval, Listing or Certification Available

Applications

Steam, Air and Gas — Economical solution for heating steam or gases in remote applications.

Features

Terminal Enclosure — E1 General Purpose is standard. E2 or E4 enclosures available.

Elements — Three INCOLOY® sheath elements.

Screw Plug — 2-1/2" steel screw plug with 1/2" thermowell for thermostat bulb.

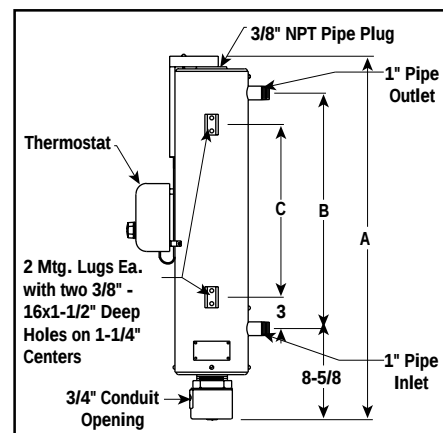
Vessel — Pipe body and nozzles are ASTM A53B carbon steel pipe. The end disk is ASTM A516 Grade 70 carbon steel plate. Provided with thermal insulation and painted sheet metal jacket.

Wiring — Convenient field wiring terminals are provided for easy installation.

Controls — Stock and assembly stock heaters come equipped with side mounted mechanical AR thermostat.



Dimensions (Inches) GCHMTIR-03



Note — Add 1/2" to A dimension for E4 enclosure.

Specifications and Ordering Information

		Ckt & Phase	Dimensions (In.)				Stock	PCN	Wt. (Lbs.)
kW	Volts		A	B	C				
2-1/2 inch, 150 lb carbon steel vessel — 3 INCOLOY® elements (15 W/In²)									
1	120	1-1	20-1/2	9-3/8	—	GCHMTIR-03-001P-E1	NS	023691	18
1	240	1-1	20-1/2	9-3/8	—	GCHMTIR-03-001P-E1	NS	023704	18
1	240	1-3	20-1/2	9-3/8	—	GCHMTIR-03-001P-E1	NS	023712	18
1	480	1-3	20-1/2	9-3/8	—	GCHMTIR-03-001P-E1	NS	023720	18
3	240	1-1	30-5/8	22-1/2	16-1/2	GCHMTIR-03-003P-E1	NS	023739	25
3	240	1-3	30-5/8	22-1/2	16-1/2	GCHMTIR-03-003P-E1	NS	023747	25
3	480	1-1	30-5/8	22-1/2	16-1/2	GCHMTIR-03-003P-E1	NS	023755	25
3	480	1-3	30-5/8	22-1/2	16-1/2	GCHMTIR-03-003P-E1	NS	023763	25
5	240	1-1	56-3/8	45-1/4	39-1/4	GCHMTIR-03-005P-E1	NS	023771	40
5	240	1-3	56-3/8	45-1/4	39-1/4	GCHMTIR-03-005P-E1	NS	023780	40
5	480	1-1	56-3/8	45-1/4	39-1/4	GCHMTIR-03-005P-E1	NS	023798	40
5	480	1-3	56-3/8	45-1/4	39-1/4	GCHMTIR-03-005P-E1	NS	023800	40
7.5	240	1-1	67-1/8	56	50	GCHMTIR-03-07P5-E1	NS	023819	45
7.5	240	1-3	67-1/8	56	50	GCHMTIR-03-07P5-E1	NS	023827	45
7.5	480	1-1	67-1/8	56	50	GCHMTIR-03-07P5-E1	NS	023835	45
7.5	480	1-3	67-1/8	56	50	GCHMTIR-03-07P5-E1	NS	023843	45
9	240	1-1	78-1/8	67	61	GCHMTIR-03-009P-E1	NS	023851	50
9	240	1-3	78-1/8	67	61	GCHMTIR-03-009P-E1	NS	023860	50
9	480	1-1	78-1/8	67	61	GCHMTIR-03-009P-E1	NS	023878	50
9	480	1-3	78-1/8	67	61	GCHMTIR-03-009P-E1	NS	023886	50
Stock Status: S = stock AS = assembly stock NS = non-stock To Order —Specify model, volts, phase, kW, PCN and quantity.									

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Ordering Information

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

Model	Medium Temperature Steam, Air and Gas			
GCHMTIR	Gas Circulation Heater Screw Plug Design — INCOLOY® Elements — Steel Vessel			
R	Reduced Watt Density			
Code	Number of Elements			
03	Three			
Code	kW			
001P	1	07P5	7.5	
003P	3	009P	9	
005P	5			
Code	Terminal Enclosure			
E1	General Purpose			
E2	Moisture Resistant/Explosion Resistant			
E4	Moisture Resistant			
GCHMTIR	03	07P5	E1	Typical Model Number