

ACCUHEAT®
G-Series



QUARTZ IN-LINE HEATERS

IMTEC™

High Purity Quartz In-Line Heaters

Ultra High Purity Gas Heating

Heating high purity gasses is a difficult challenge. Metals can break down and/or shed particulate, while other materials are inefficient at heat transfer.

Imtec has solved this challenge using a unique tube-in-tube design that provides for excellent heat transfer in a ultra-pure, non-metallic flow path. The tube-in-tube design creates a .060" wide flow path that creates intimate contact between the gasses and heated surfaces. This makes a dramatic improvement in efficiency when compared to other designs.

The G-series heaters are available in single or dual tube configurations allowing for a wide range of temperature/flow applications. Exemplified by our long-standing ISO 9001 registration, our dedication to manufacturing process control assures that our customers receive uniformly high-quality products in a timely manner.

Flexible control capability

Gas heating applications can vary dramatically making the control tricky. The Accuheat G-series offer the ability to monitor/control heater element temp, which can be useful for low flow, intermittent applications. A non-metallic inline temp probe is available for control at the point of use for other applications. Imtec representatives are always happy to advise on how best to incorporate the products for precise control and safe operation.

Key Safety Features

The G-Series heaters incorporate the same safety features as our S3 compliant liquid heaters. These include:

- ◆ FM-4910 Compliant PVDF Housing
- ◆ Power modulator protects against no-flow conditions, RTD provided for monitoring internal gas temperature
- ◆ Overtemp Thermocouple attached to heater element provided for redundant protection
- ◆ Overtemperature snap switch trips if heater is out of control
- ◆ Power modulator monitors element temp to reduce excess heat inside housing

OEM Friendly

Does your equipment need a special size or wattage? Do you need special sensors or other features? Custom units can reduce integration and enhance performance. Imtec specializes in OEM custom units and with our integrated manufacturing we can create your custom unit with little to no added cost.



Specifications		
	G3500	G7000
Supply Voltage	208/240V 1 ϕ 50/60Hz	
Wattage	3000/4000	6000/8000
Connections	1/2" Flared Stem with carbon filled nut	
Power Modulator supply	24VAC	
Heater temp sensors	(2) J-type Thermocouples	
Overtemp Sensors	(1) J-type T/C, (1) thermostatic snap switch	
Max. Heater temp	300°C	
Max. Output temp	Flow Dependent	
Dimensions	31 X 6.5 X 5.0"H	31 X 9.0 X 5.0"H
Power Cord	10ft in PFA teflon conduit	