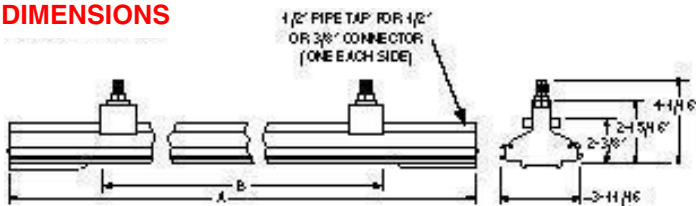


A tungsten filament is centered in a hermetically sealed quartz tube and insulated with an inert gas. Peak wave length is 1 - 1.5 microns, in the near band of the electromagnetic spectrum. The element temperature is 4000°F and very bright when in operation. Faster process speeds are possible compared to other infrared heat sources. Heat-up and cool-down are especially quick.

| WATTS | VOLTS | OVERALL LENGTH     | EHL | QRH1 CATALOG NO. | ELEMENTS   |
|-------|-------|--------------------|-----|------------------|------------|
| 500   | 120   | 12 $\frac{3}{4}$ " | 5   | QRH1-0512-1      | Q-088-05-1 |
| 1000  | 240   | 17 $\frac{3}{4}$ " | 10  | QRH1-1017-2      | Q-138-10-2 |
| 1600  | 240   | 23 $\frac{3}{4}$ " | 16  | QRH1-1623-2      | Q-198-16-2 |
| 2500  | 480   | 32 $\frac{3}{4}$ " | 25  | QRH1-2532-4      | Q-288-25-4 |

WARNING: Elements are extremely bright—do not mount in line-of-sight.  
Maximum temperature in termination area - 650°F.

### DIMENSIONS



### High Process Temperatures

- Short wave length, high intensity infrared heat source can increase work speeds.

### Quick Heat and Cool Response

- Immediate operating temperatures and quick cool-down for web or conveyORIZED processes where work speed may slow or stop. Elements are resistant to thermal shock. Careful handling and protection are required.

### Horizontal Mounting Only

- Housing mounts easily in any position in horizontal plane.

### Control

- Quartz Lamp Infrared Heaters are controlled using phase angle fired SSR's, SCR's or variable transformers. Do not use ON-OFF control.

### Housing

- Polished aluminum reflector is easily cleaned to provide efficient operation. Snap in protective grills are available.

## High Temperature Ceramic Vacuum Fiber Heaters

Industry demands quality and high performance technology in control and process heating applications. ITP provides a practical and economical solution for industry requiring demanding high temperature vacuum formed, ceramic formed ceramic fiber insulated heating. ITP's vacuum formed fiber heaters provide fast, efficient and uniform temperatures up to 1350°C (2462°F). An extensive array of products is offered in almost all sizes, shapes, and temperature ranges.

- \* Custom Designs
- \* Vacuum Formed 18PCF Density
- \* High Temperatures 1350 C (2462 F)
- \* Low Thermal Conductivity
- \* High Thermal Shock Resistance
- \* 100% Inorganic (Will not outgas or smoke when initially heated)

