O-FLEX INC

# AA HEAT SHIELD TUBE



**Purpose :** The AA tube is applicable for thermal protection of critical components in high temperature environments. It serves as a flame resistant insulated cover for: hoses, fluid lines, plastic tubes, electrical harnesses, etc.
**Characteristics :** light weight, flexible, insulation, anti-corrosion
**Available Size :** Ø14.5 — Ø65 mm (ID)
**Bend "R" :** 2.0 x Diameter with no cracking
**Compression Strength :** 170N at 3mm

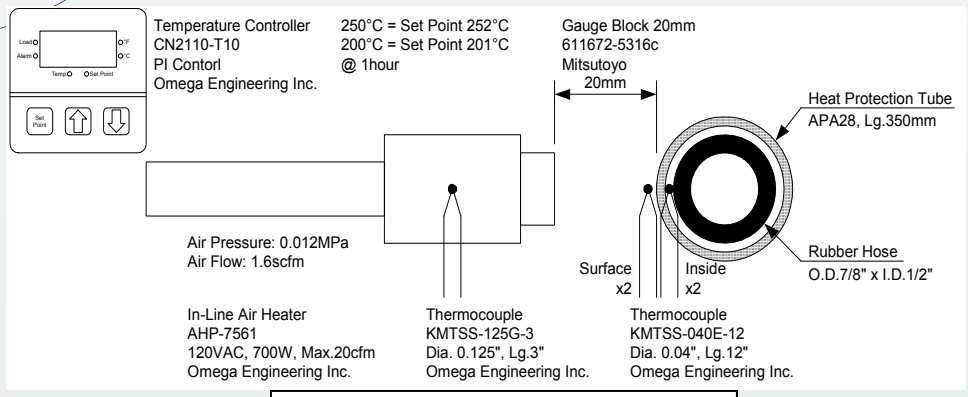
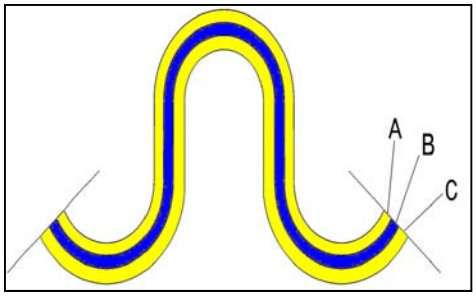



Fig 1. Hot Air Gun Thermal Performance




| | | |
|---|---|---|
| A | Aluminum | 55μ thickness |
| B | Adhesive | 3μ thickness |
| C | Aluminum | 55μ thickness |

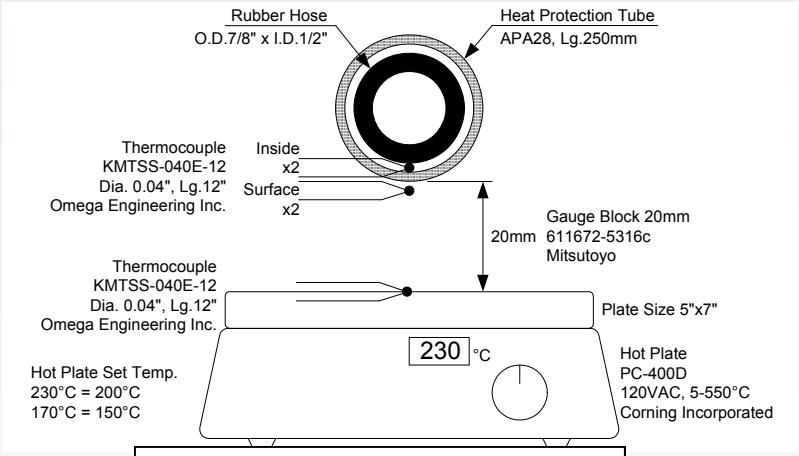



Fig 2. Radiant Heat Thermal Performance

| Heater Source Temperature | Inside Surface Temperature (Diameter of tube @ 20mm) |
|---|---|
| Hot Air Gun 200°C / 392°F | 130°C / 266°F |
| Hot Air Gun 250°C / 482°F | 158°C / 316°F |
| Radiant Heat Plate 200°C / 392°F | 68°C / 154°F |
| Radiant Heat Plate 250°C / 482°F | 83°C / 181°F |


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