

## High-Temperature Threaded Inline Overview

The HT-TIL (High-Temperature Threaded Inline) air heater for a variety of demanding applications, including fuel cell, R&D lab, automotive and aerospace testing. Capable of producing air/gas temperatures to 900°C (1652°F) versus the standard of 750°C. This HT-TIL is a unique heater for critical applications up to 100 psi (7 Bar).

## Specifications

### Style “A” - Part No. F076619

**For Higher pressures and Higher inlet temperatures**

- Max Exit Temperature 1652°F (900°C)
- Max Inlet temperature 1000°F (538°C)
- Max Static Pressure 100 PSI (7 Bar)
- Inlet Fitting 1.25” MNPT (Male) thread
- Exit Fitting 1.25” MNPT (Male) thread
- TC probe included Yes – Duplex “K” Type
- Overall Length 22” (559mm)
- Inlet Connections 0.250” Nickel terminal posts with hardware
- Ground Stud Included Yes
- Material 316 Stainless Steel
- Minimum air flow 3 SCFM (85 SLPM)



### Style “B” - Part No. F076525

**For Lower pressures and Lower inlet temperatures**

- Max Exit Temperature 1652°F (900°C)
- Max Inlet temperature 120°F (50°C)
- Max Static Pressure 45PSI (3 Bar)
- Inlet Fitting 1.25” FNPT (Female) thread
- Exit Fitting 1.25” MNPT (Male) thread
- TC probe included No – customer supplied
- Overall Length 20” (508mm)
- Inlet Connections 24” long, #10AWG wires, 105°C rated
- Ground Stud Included Yes
- Material 316 Stainless Steel
- Minimum air flow 3 SCFM (85 SLPM)



## Ordering Information

Part No.	Description	Length (mm)	OD (mm)	Watts (kW)	Voltage (V)	Ph	Current (Amps)	Max Exit Temp.	Max Inlet Temp.
F076619	HT INLINE 1.25" / 6kW / 208V	22" (559)	1.7" (45)	6	208	1	29	1652°F (900°C)	1000°F (538°C)
F076525	HT INLINE 1.25" / 6kW / 208V	20" (508)	1.7" (45)	6	208	1	29	1652°F (900°C)	158°F (70°C)

Both styles for use with air or inert gases only  
 Pressure drop avg. 1.6 PSI (45" water column) at 900°C & 10 SCFM

## Performance Chart



\* Air Temperature as measured by 1/8" dia. exposed junction "K" T/C. located within 1/2" of heater exit.



**TUTCO**  
**SureHeat**

Specifications subject to change