



**F A R N A M**  
CUSTOM PRODUCTS

Heat Torches

a higher degree of performance

Tel: 828.684.3766

Fax: 828.684.3768

## 075 Heat Torch™



The three-quarter inch diameter 075 Heat Torch is a compact and highly reliable process air heater for applications which require a moderate amount of focused air. The 150 Heat Torch provides over twice the air flow capacity of the 050 Heat Torch. In service applications include staking, curing, drying, heat-shrinking, sterilization, and adhesive activation.

The 075 Heat Torch Inline Air Heater is available in power ratings from 100 watts to 1000 watts with standard increments of 100 watts. Allowable air flow is from 1.3 to 25 SCFM. Maximum air input temperature is 250° F. Maximum air output temperature is 1300° F. The 075 Heat Torch Inline can be mounted in either a horizontal or vertical position. Standard configurations include a choice of air inlet and exhaust fittings.

The 075 Heat Torch technical specifications are available overleaf and via the internet at: [www.farnam-custom.com](http://www.farnam-custom.com). Contact us to discuss your particular needs.





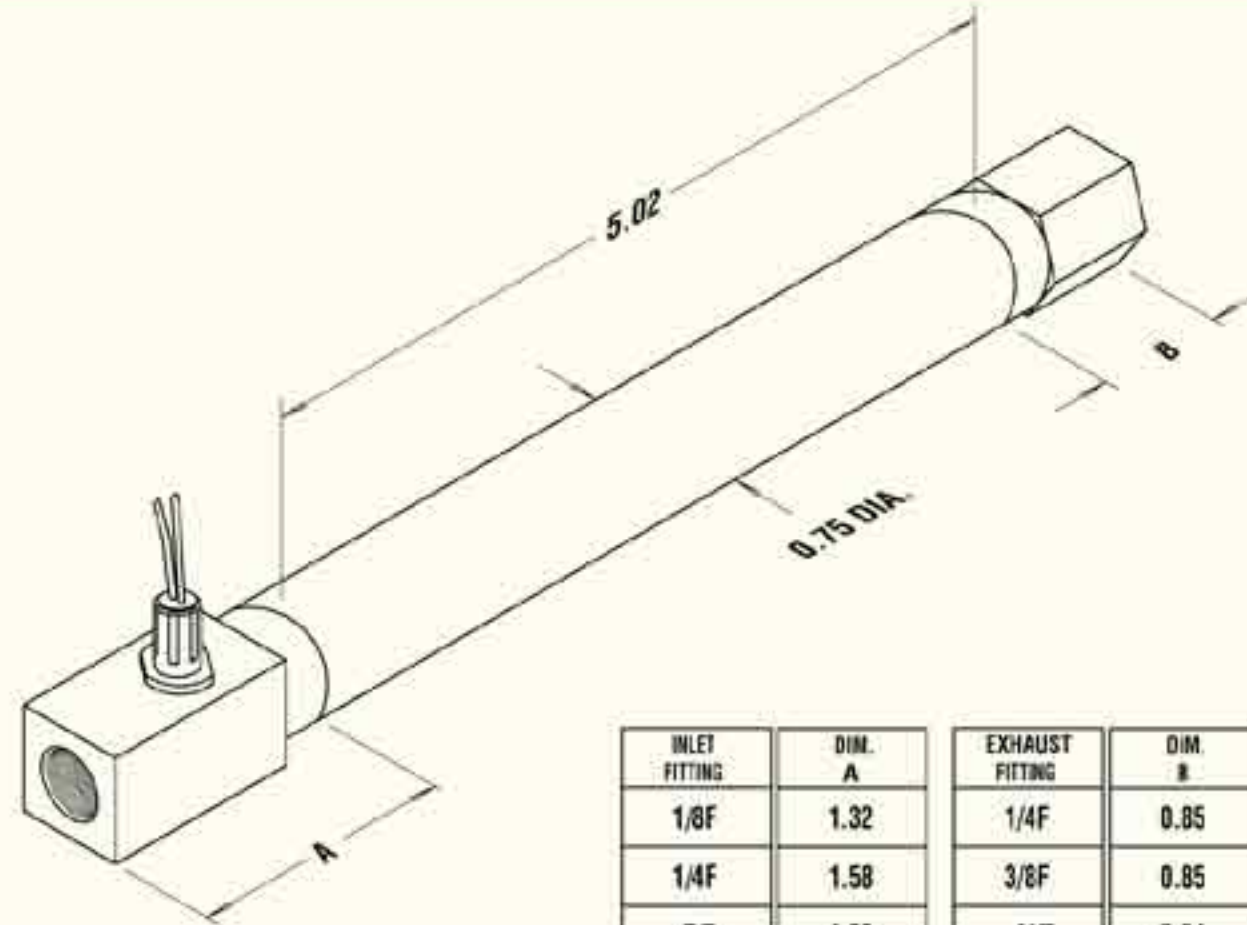
**Wattage:**  
100-1000

**Voltage:**  
120V  
240V

**Inlet Fitting:**  
1/8F - 1/8" NPT female  
1/4F - 1/4" NPT female  
CB-Counterbore 1/2" dia.

**Exhaust Fitting:**  
1/4F - 1/4" NPT female  
3/8F - 3/8" NPT female  
NF - no fitting  
RA - reducing adapter  
3/4" to 1/2"

**Options:**  
Thermocouple fitting  
Thermocouple  
Flexible Conduit



INLET FITTING	DIM. A	EXHAUST FITTING	DIM. B
1/8F	1.32	1/4F	0.85
1/4F	1.58	3/8F	0.85
CB	1.32	NF	0.04
		TE	0.16

**Specifications**

Max. wattage: 1000  
Max. exhaust air temp: 1300°F  
Max. inlet air temp: 250°F  
Max. SCFM: 25  
Pressure rating: 120 PSIG  
Horizontal or vertical mounting  
Leads: 20 gauge, 12" long

**Construction**

Heater body: stainless steel  
Inlet fitting: nickel plated steel  
Exhaust fitting: stainless steel

Calculate the wattage, flow rate or temperature requirement as follows:

$Watts = SCFM \times \Delta T / 3$

SCFM = airflow in standard cubic feet per minute

$\Delta T$  = temperature rise in degrees F from the inlet to the exhaust

Wattage	Minimum SCFM required
100	1.3
200	1.3
300	1.3
400	1.3
500	1.3
600	1.3
700	1.3
800	1.4
900	1.7
1000	1.8

Airflow (SCFM)	Pressure Drop (PSIG)
1.3	.10
2	.20
3	.45
4	.80
6	1.8
8	3.2
10	5.0
15	11.3
20	20.0
25	31.3

**PRODUCT FEATURES / ORDERING INFORMATION**

