



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

Heat Torches

a higher degree of performance

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## 150 Heat Torch™



The 150 Heat Torch is a robust air heating tool designed for high reliability, long life and substantial air flow. In service applications include staking, curing, drying, heat-shrinking, sterilization, adhesive activation, air scrubbing and air knives.

The 150 Heat Torch heating element is contained in a one and one-half inch diameter stainless steel pipe. The heater body is 4.70 inches long for power ratings from 500 to 2500 watts, and 8.31 inches long for power ratings of 3000 to 5000 watts. The standard power increments are 250 watts and 500 watts, respectively. Allowable air flow is from 4.8 to 70 SCFM. Maximum air input temperature is 250° F. Maximum air output temperature is 1300° F. The standard inlet fitting is a half inch NPT female. Standard outlets include one-quarter, one-half and one inch female NPT fittings and no exhaust fitting.

The 150 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:**

500-2500 (Dim. A = 4.70")  
 3000-5000 (Dim. A = 8.31")

**Voltage:**

120V: max. 2250W  
 240V: single or three phase

**Inlet Fitting:**

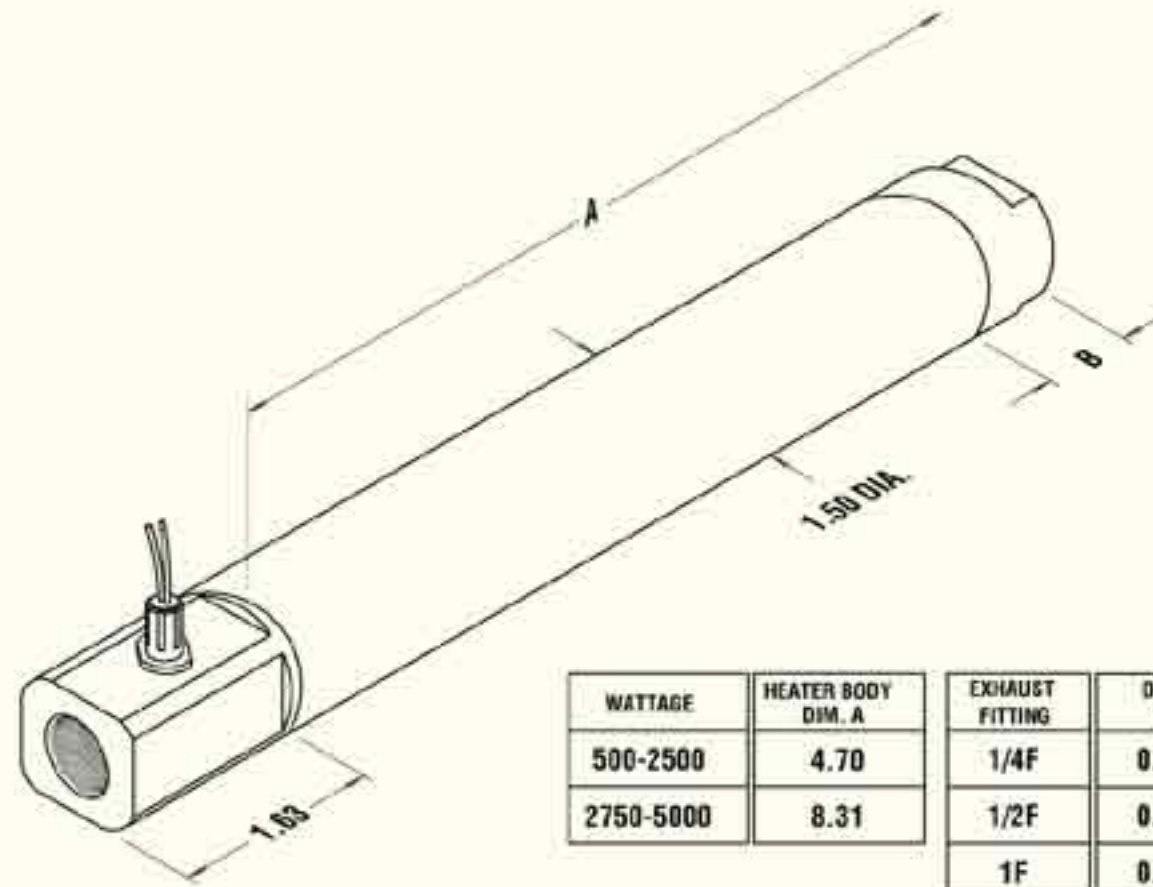
1/2F - 1/2" NPT female

**Exhaust Fitting:**

1/4F - 1/4" NPT female  
 1/2F - 1/2" NPT female  
 1F - 1" NPT female  
 NF-no fitting

**Options:**

Thermocouple fitting  
 Thermocouple  
 Flexible Conduit



WATTAGE	HEATER BODY DIM. A	EXHAUST FITTING	DIM. B
500-2500	4.70	1/4F	0.83
2750-5000	8.31	1/2F	0.87
		1F	0.88
		NF	0.06

**Specifications**

Max. wattage: 5000  
 Max. exhaust air temp: 1300°F  
 Max. inlet air temp: 250°F  
 Max. SCFM: 70  
 Pressure rating: 120 PSIG  
 Vertical or Horizontal mounting  
 Leads: 14 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 x ΔT/3

SCFM = airflow in standard cubic feet per minute

ΔT = temperature rise in degrees F from the inlet to the exhaust

Wattage	Minimum SCFM required
500	4.8
1000	4.8
1500	4.8
2000	4.8
2500	5.3
3000	6.6
3500	7.9
4000	9.3
4500	10.8
5000	12.4

Airflow (SCFM)	500W-2500W Pressure Drop (PSIG)	2750W-5000W Pressure Drop (PSIG)
5	.30	.59
10	.60	1.2
20	1.1	2.2
30	2.5	5.0
40	4.4	8.8
50	6.9	14
60	9.9	20
70	13	27

**PRODUCT FEATURES / ORDERING INFORMATION**

150 Heat Torch	4000	240	3	1/2F	1F
Series	Wattage	Voltage	Phase	Inlet Fitting	Exhaust Fitting

