



F A R N A M
CUSTOM PRODUCTS

Heat Torches

a higher degree of performance

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200 Heat Torch™



The 200 Heat Torch is a robust air heating tool designed to satisfy the most demanding requirements. In service applications include high capacity staking, curing, drying, heat-shrinking, sterilization, adhesive activation, air scrubbing and air knives.

The 200 Heat Torch heating element is contained in a two inch diameter stainless steel pipe. The heater body is 5.0 inches long for power ratings from 500 to 4250 watts, 9.0 inches for power ratings of 4500 to 8500 watts, and 13.0 inches for power ratings from 9000 to 12000 watts. The standard power increments are 250 watts, 500 watts and 1000 watts respectively. Allowable air flow is from 9.6 to 100 SCFM. Maximum air input temperature is 250° F. Maximum air output temperature is 1300° F. The standard inlet fitting is a one inch NPT female. Standard outlets are a 1 1/4 inch female NPT fitting and no exhaust fitting.

The 200 Heat Torch technical specifications are available overleaf and via the internet at: www.farnam-custom.com. Contact us to discuss your particular needs.





Wattage:

500-4250 (Dim. A=5.0")
 4500-8500 (Dim. A=9.0")
 9000-12000 (Dim. A=13.0")

Voltage:

120V: max. 2500W
 240V: single or three phase
 (single phase - max. 4250W)
 480V: single or three phase

Inlet Fitting:

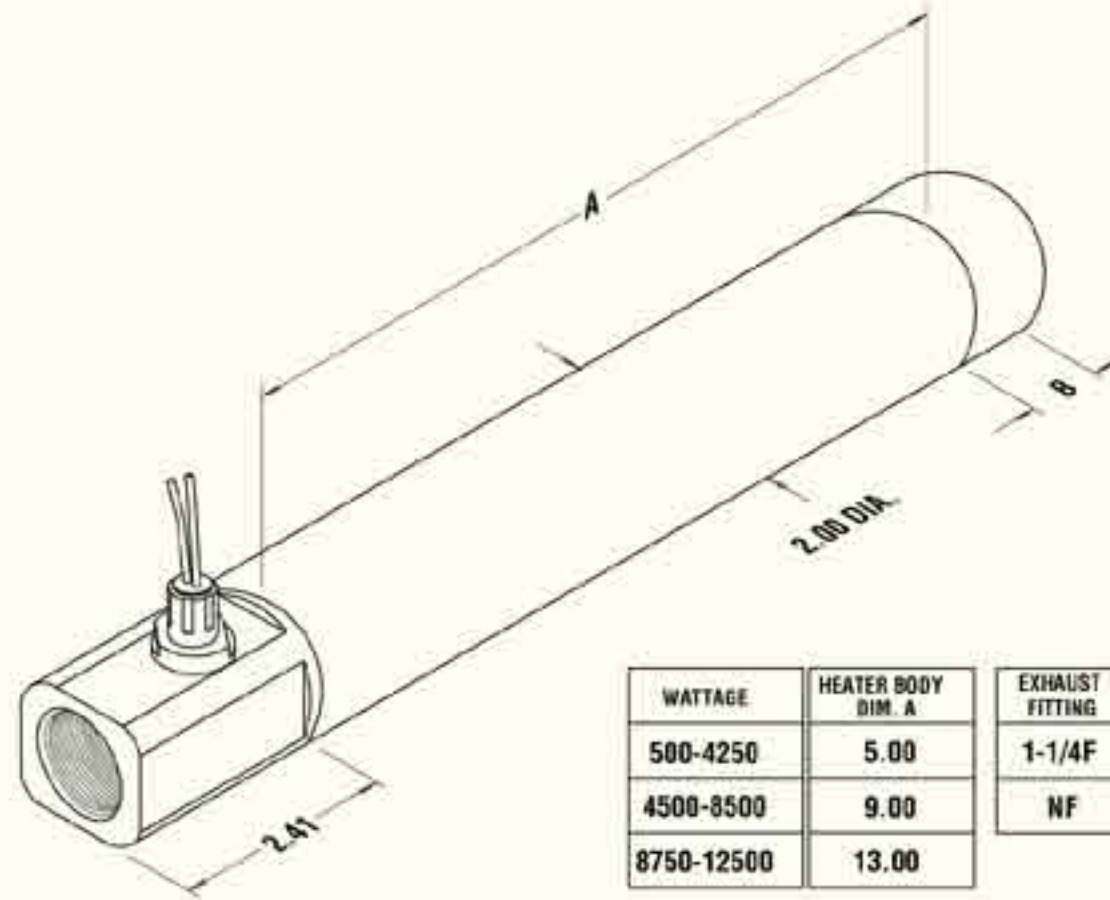
1F - 1" NPT female

Exhaust Fitting:

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

Options:

Thermocouple fitting
 Thermocouple
 Flexible Conduit



WATTAGE	HEATER BODY DIM. A	EXHAUST FITTING	DIM. B
500-4250	5.00	1-1/4F	1.13
4500-8500	9.00	NF	0.10
8750-12500	13.00		

Specifications

Max. wattage: 12500
 Max. exhaust air temp: 1300°F
 Max. inlet air temp: 250°F
 Max. SCFM: 100
 Pressure rating: 120 PSIG
 Horizontal mounting
 Leads: 12 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
1000	9.6
4000	9.6
5000	12.4
6000	14.8
7000	17.0
8000	19.3
9000	21.4
10000	23.5
11000	25.5
12500	28.4

Airflow (SCFM)	500W-4250W	4500W-8500W	8750W-12500W
	Pressure Drop (PSIG)	Pressure Drop (PSIG)	Pressure Drop (PSIG)
10	.36	.72	1.1
20	.75	1.5	2.3
30	1.7	3.4	5.1
40	3.0	6.0	9.0
50	4.7	9.4	14
60	6.8	14	20
70	9.2	18	28
80	12	24	36
90	15	30	45
100	19	38	57

PRODUCT FEATURES / ORDERING INFORMATION

