

Heat Torch™ 050



This 0.5" diameter Heat Torch™ 050 Heater is compact and reliable when moderate amounts of compressed air (or non-combustible inert gas,) are required. The Heat Torch™ 050 Air Heater has allowable air flow ranging from 1 to 10 SCFM and is available in power ratings of 100 watts to 500 watts (with standard increments of 50 watts). Maximum air input temperature is 250°F (121°C) with 1300°F (704°C) maximum output with a ceramic core, and 932°F (500°C) maximum output with a mica core. Applications for Heat Torch™ 050 include staking, curing, drying, heat shrinking, sterilization, and adhesive activation. UL Listed.



CORE	MAX WATT	MAX INLET	MAX EXHAUST	MIN SCFM	MAX SCFM	PSIG*
CERAMIC	600 W	250° F	1300° F	1	10	120
MICA	600 W	250°F	932°F	1	10	120

* with minimal leakage.

Airflow SCFM	1	2	3	4	5	6	7	8	9	10
Pressure Drop (psig)	.53	2.1	4.7	8.4	13.2	19.0	25.8	33.7	42.7	52.7

Specifications

Mounting.....Horizontal / Vertical
Leads.....20 Gauge, 12" long

Heater Body.....Stainless Steel
Heater Fittings.....Stainless Steel

Wattage and Voltage Options

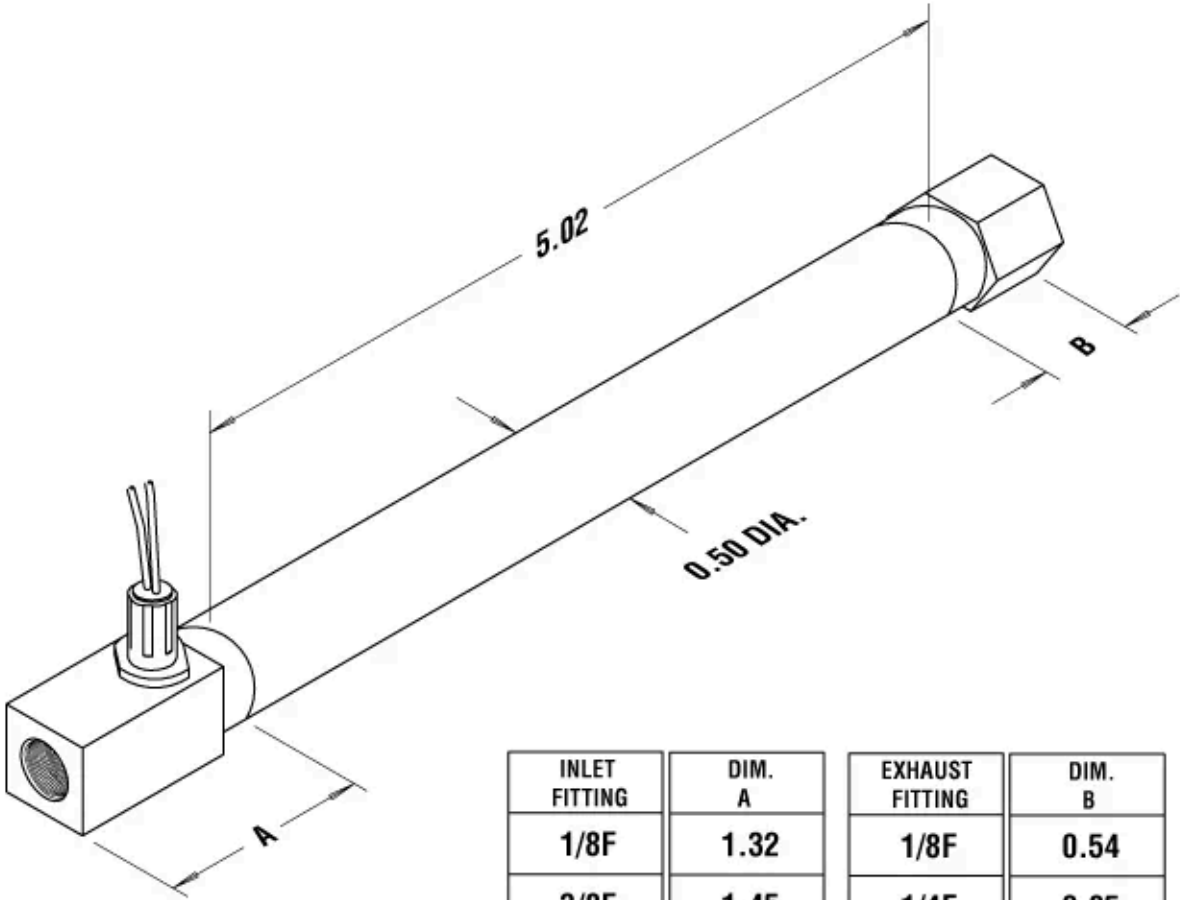
120V, single phase, 0.1kW-0.6kW
208V, single phase, 0.2kW-0.55kW
240V, single phase, 0.2kW-0.6kW

Applications

- Staking
- Curing
- Adhesive Activation
- Drying
- Heat Shrinking
- Sterilization

Options

- Thermocouple Fitting
- Thermocouple
- Flexible Conduit



Resources



BROCHURES

Heat Torch™ 050



MANUALS

Quickstart Guide



DRAWINGS

Dimensional Drawing.PDF



3D DRAWINGS

w/counterbore, no outlet fitting, no TC.STP

1/8" F NPT inlet, 1/4" F NPT outlet, No TC.STP

1/8" F NPT inlet, 1/4" NPT outlet, 2 TC.STP

1/8" F NPT inlet/outlet, No TC.STP



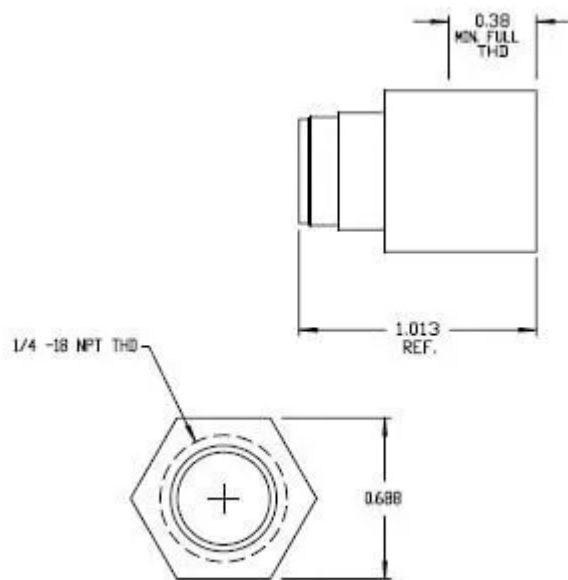
VIDEOS

Product Demo

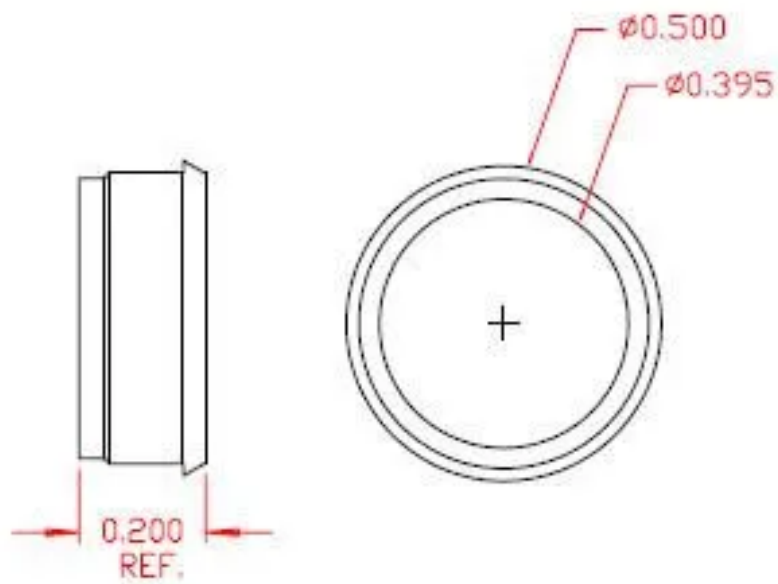
Process Heaters

Additional Information

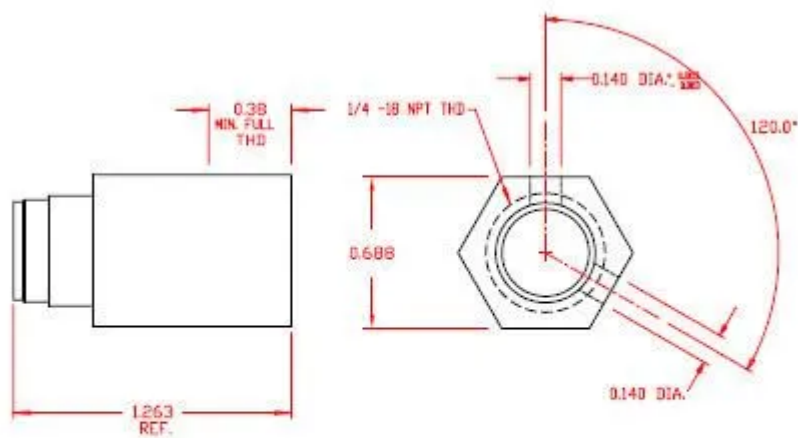
PRESSURE DROP		+																						
<table><tr><th>AIRFLOW (SCFM)</th><th>PRESSURE DROP (PSIG)</th></tr><tr><td>1</td><td>0.53</td></tr><tr><td>2</td><td>2.1</td></tr><tr><td>3</td><td>4.7</td></tr><tr><td>4</td><td>8.4</td></tr><tr><td>5</td><td>13.2</td></tr><tr><td>6</td><td>19.0</td></tr><tr><td>7</td><td>25.8</td></tr><tr><td>8</td><td>33.7</td></tr><tr><td>9</td><td>42.7</td></tr><tr><td>10</td><td>52.7</td></tr></table>			AIRFLOW (SCFM)	PRESSURE DROP (PSIG)	1	0.53	2	2.1	3	4.7	4	8.4	5	13.2	6	19.0	7	25.8	8	33.7	9	42.7	10	52.7
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MATERIAL AND CONSTRUCTION		+																						



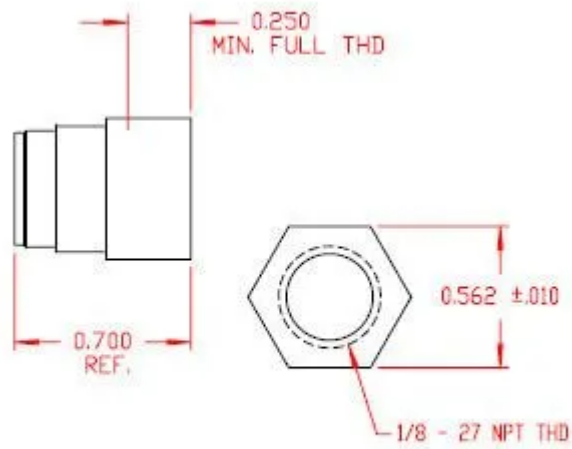
Exhaust Fitting
1/4" NPT female



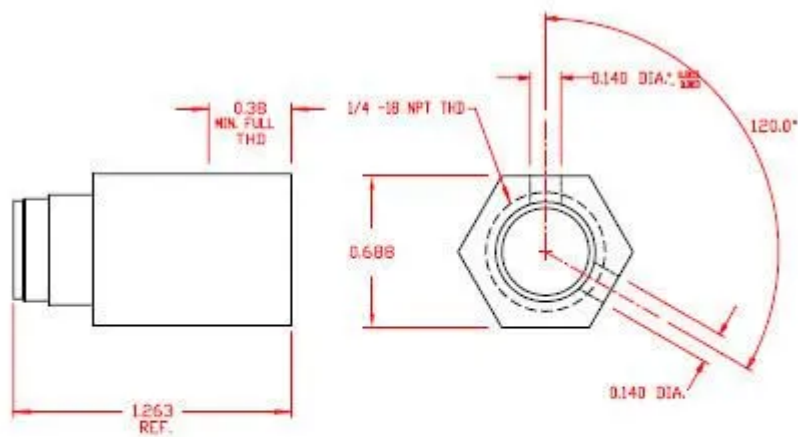
Exhaust Fitting
No Fitting



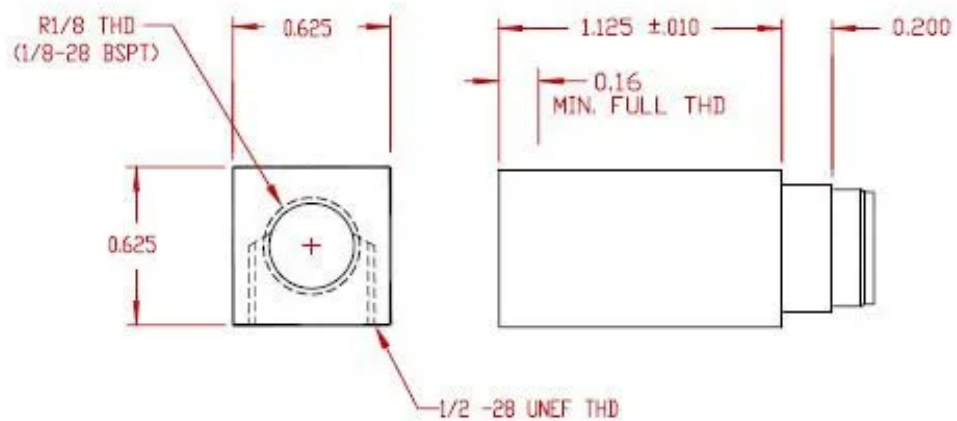
Exhaust Fitting
R1/4=1/4-19 BSPT female



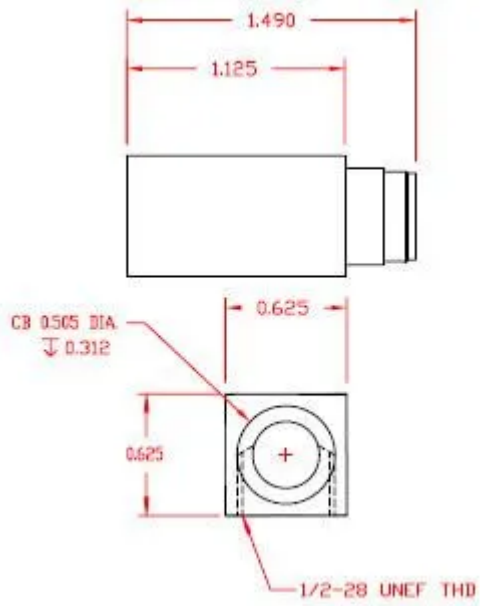
Exhaust Fitting
1/8" NPT female



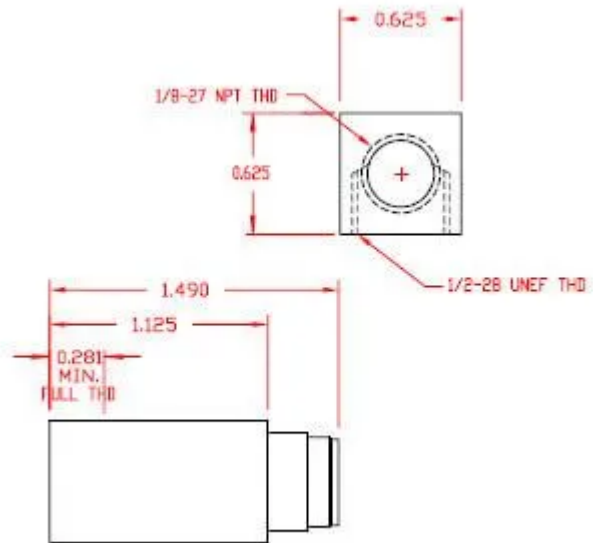
Exhaust Fitting
1/4" NPT female



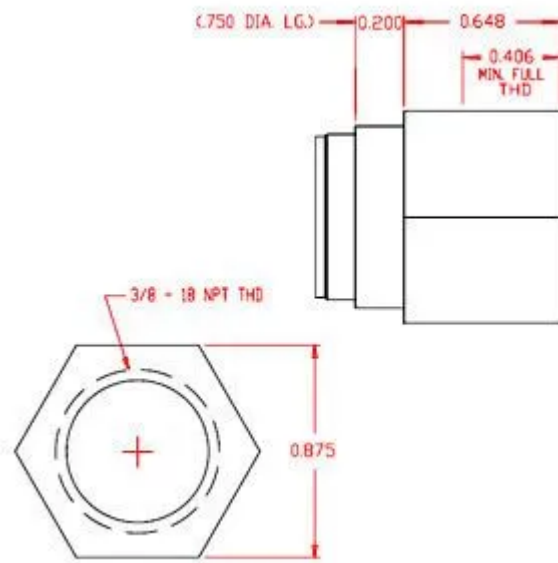
Inlet Fitting
R1/8=1/8-28 BSPT female



Inlet Fitting
Counterbore 1/2" female



Inlet Fitting
1/8" NPT female



Inlet Fitting
3/8" NPT female