

Flow Torch™ 400



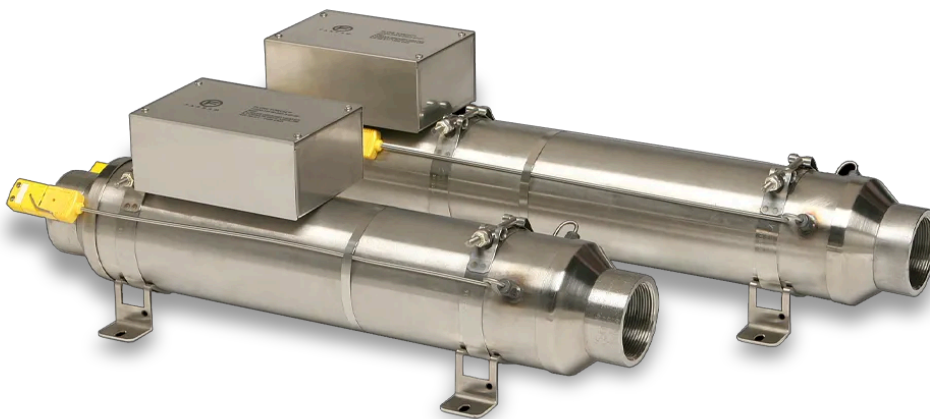
The Flow Torch™ 400 is an open coil air heater designed for high flow rates at low pressure drop due to its efficient design with minimal flow restrictions. The robust construction of this 4" diameter stainless steel heater offers reliable long-life performance and reduced operational cost. The Flow Torch™ 400 incorporates a spiral wound element of the highest grade material, providing quick heat up and cool down cycles with maximum heat transfer.

The Flow Torch™ 400 is capable of operating with airflow of 500 SCFM and a maximum operating pressure of 3 PSIG*. Maximum output temperature is 482°C (900°F). All Flow Torch Heaters are UL recognized components under UL file number E365755. Regenerative Blowers available with complete systems.

** Note: minor leakage through stranded leads*

Flanged Fittings!

We have flanges available as a standard option on our Flow Torch heaters. [Click here to build your FT400, FT600 & FT800 with flanged inlet and exhaust fittings.](#)



Wattage and Voltage Options

Short Version:

208V, single phase, 2.0kW-19.0kW

208V, three phase, 2.0kW-19.0kW

240V, single phase, 2.0kW-19.0kW

240V, three phase, 2.0kW-19.0kW

380V, three phase 2.0kW-19.0kW

480V, three phase, 3.0kW-19.0kW

575V, three phase, 3.0kW-19.0kW

Long Version:

208V, single phase, 20.0kW-24.0kW

208V, three phase, 20.0kW-24.0kW

240V, single phase, 20.0kW-30.0kW

240V, three phase, 20.0kW-30.0kW

380V, three phase 20.0kW-33.0kW

480V, three phase, 20.0kW-35.0kW

575V, three phase, 20.0kW-35.0kW

Fitting Options**Inlet Fitting:**

2F - 2" FNPT

3T - 3" O.D. Tube

NF - No Fitting (4" O.D.)

Exhaust Fitting:

2F - 2" FNPT

3T - 3" O.D. Tube

NF - No Fitting (4" O.D.)

MAX WATT	MAX INLET	MAX EXHAUST	MIN SCFM	MAX SCFM	PSIG*
35000 W	250° F	900° F	19	500	3

* with minimal leakage.

WATTAGE	5.0 kW	10.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	35.0 kW
MIN. SCFM REQUIRED	19.1	38.2	57.2	76.3	95.4	114.5	133.6

Standard power of 2 kW to 35 kW is available for a wide range of applications

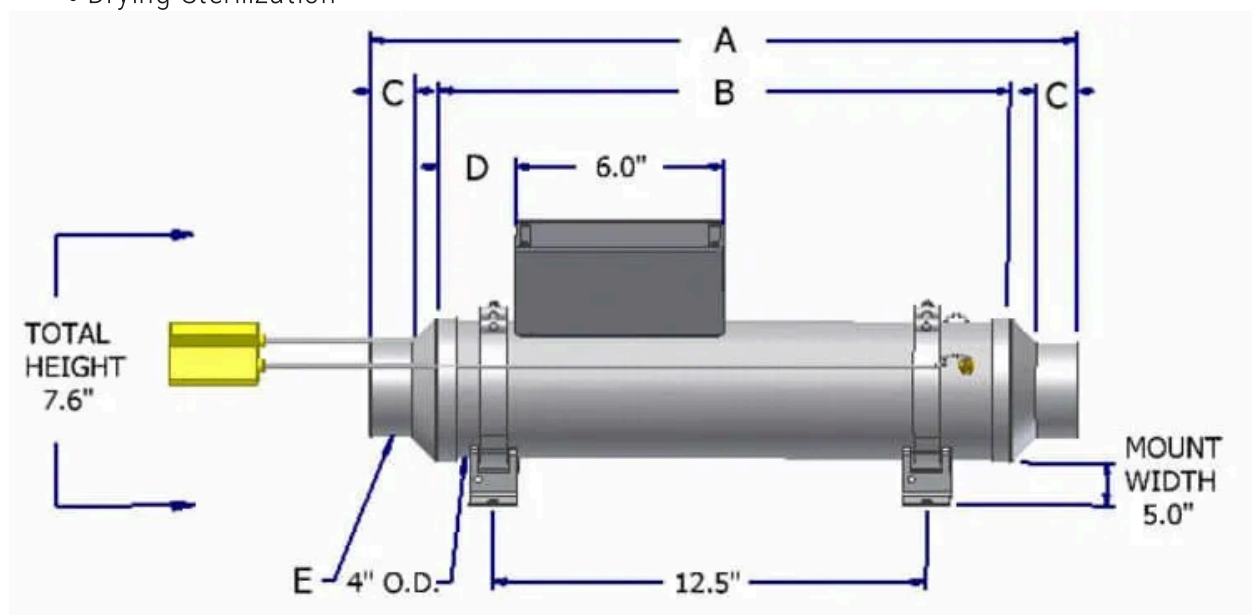
Specifications**Mounting**.....Horizontal / Vertical**Heater Body**.....Stainless Steel**Inlet Fitting**.....Stainless Steel**Exhaust Fitting**.....Stainless Steel**Control Panels are also available to provide precise temperature regulation.**

	A	INLET FITTING	B	EXHAUST FITTING	C
FT400 Short	16.5"	NF	0	NF	0
FT400 Short	16.5"	2F	2.02"	2F	2.02"
FT400 Short	16.5"	3T	3.0"	3T	3.0"
FT400 Long	22.0"	NF	0	NF	0

	A	INLET FITTING	B	EXHAUST FITTING	C
FT400 Long	22.0"	2F	2.02"	2F	2.02"
FT400 Long	22.0"	3T	3.0"	3T	3.0"

Applications

- Hot Air Curtains
- Air Drying
- Baking
- Chemical Processing
- Dehumidification
- Laminating
- Textile Applications
- Web Drying Ink Drying
- Paint Baking/Drying
- Plastic Curing
- Metallization Exhaust
- Gas Heating Hopper
- Drying Sterilization



Resources



BROCHURES

Flow Torch™
Insulation Blanket



MANUALS

Quickstart Guide



DRAWINGS

Short Dimensions.PDF
Short Dimensions.DWG
Long Dimensions.PDF
Long Dimensions.DWG
Short w/2" F NPT.PDF
Long w/2" F NPT.PDF
Short w/3" Reducers.PDF
Long w/3" Reducers.PDF



3D DRAWINGS

Short w/ no fittings.STP
Short w/ Flanges fittings.STP
Long w/ no fittings.STP
Long w/ 2" F NPT.STP
Long w/ Flanges.STP



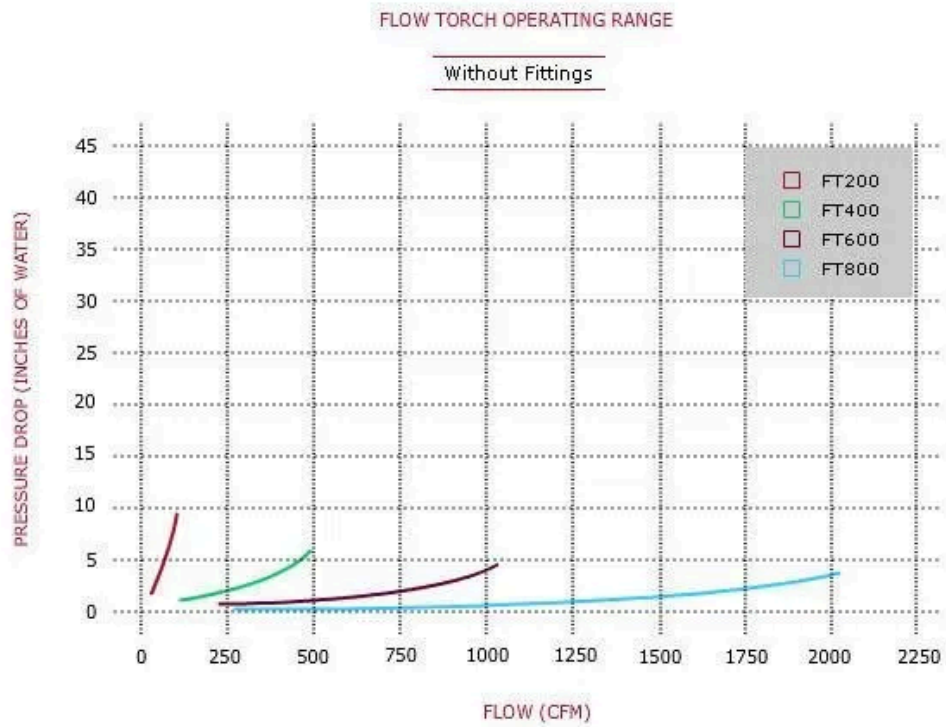
VIDEOS

Product Demonstration

Process Heaters

Additional Information

PRESSURE DROP CHART (WITHOUT FITTING)

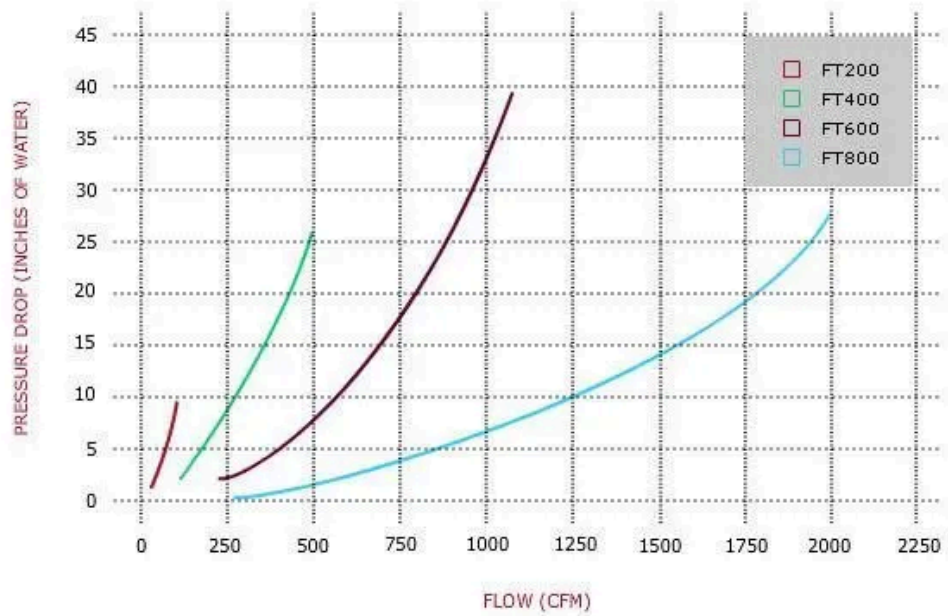


PRESSURE DROP CHART (WITH FITTING)

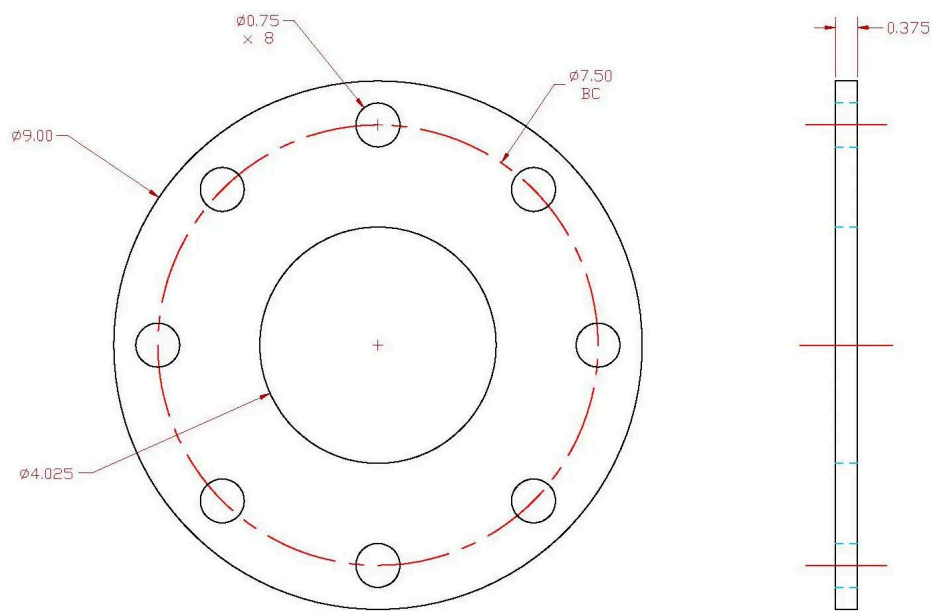


FLOW TORCH OPERATING RANGE

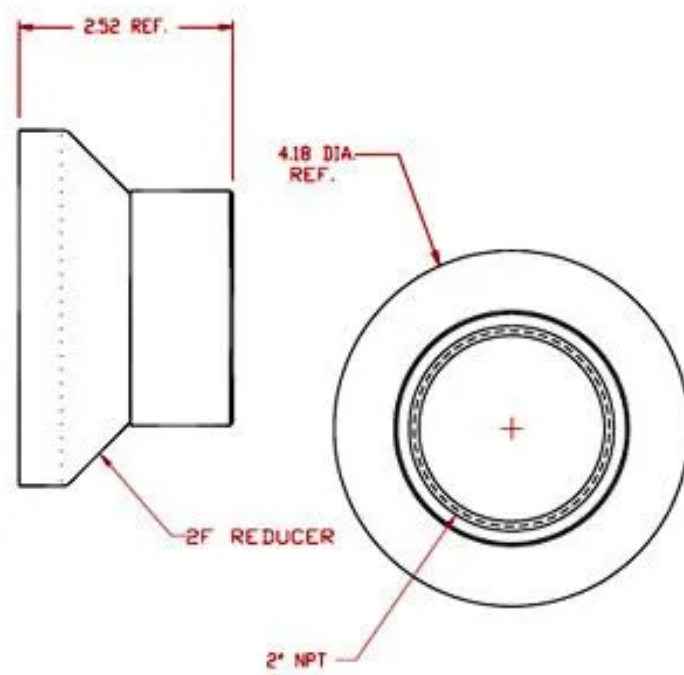
With Inlet & Exhaust Fittings



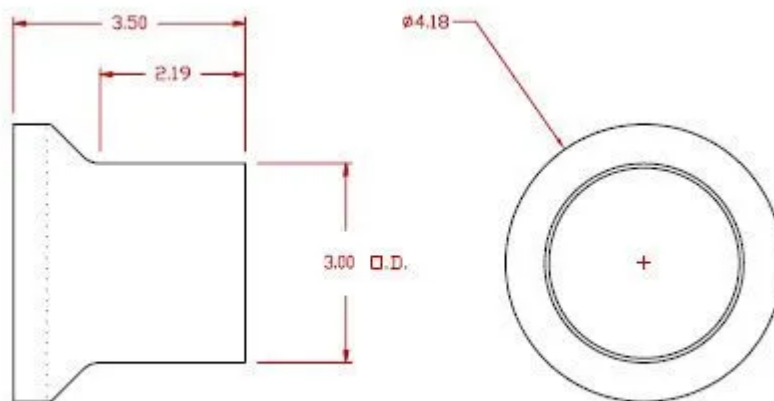
PRODUCT FITTINGS



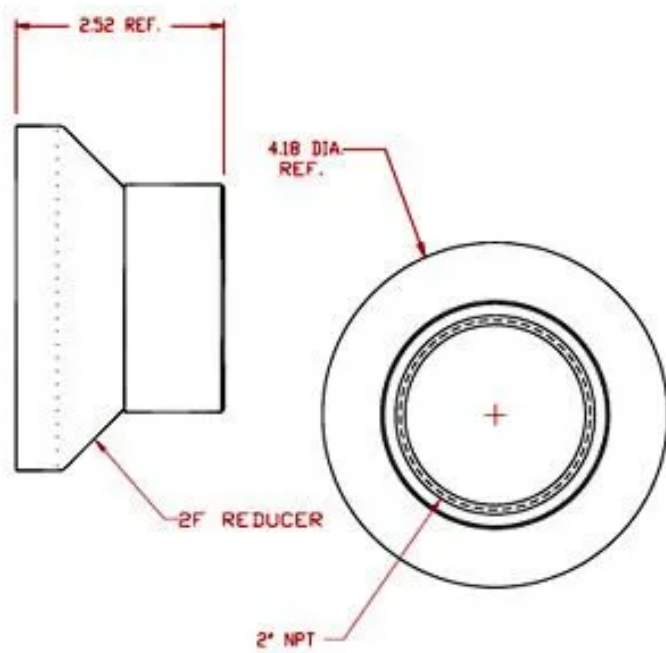
Exhaust Fitting
9" Flanged Fitting



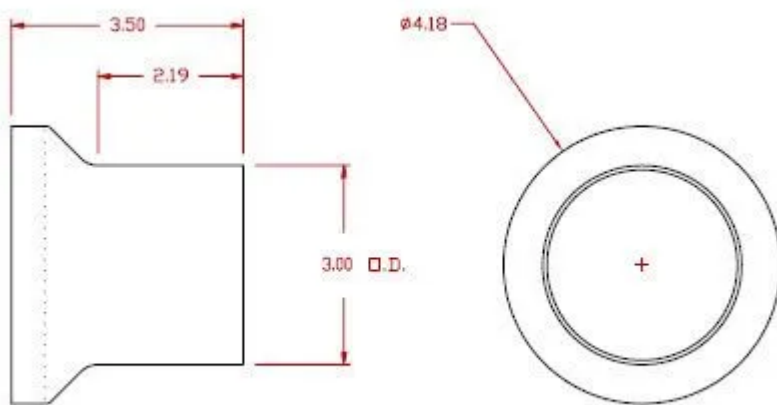
Exhaust Fitting
2" NPT Female



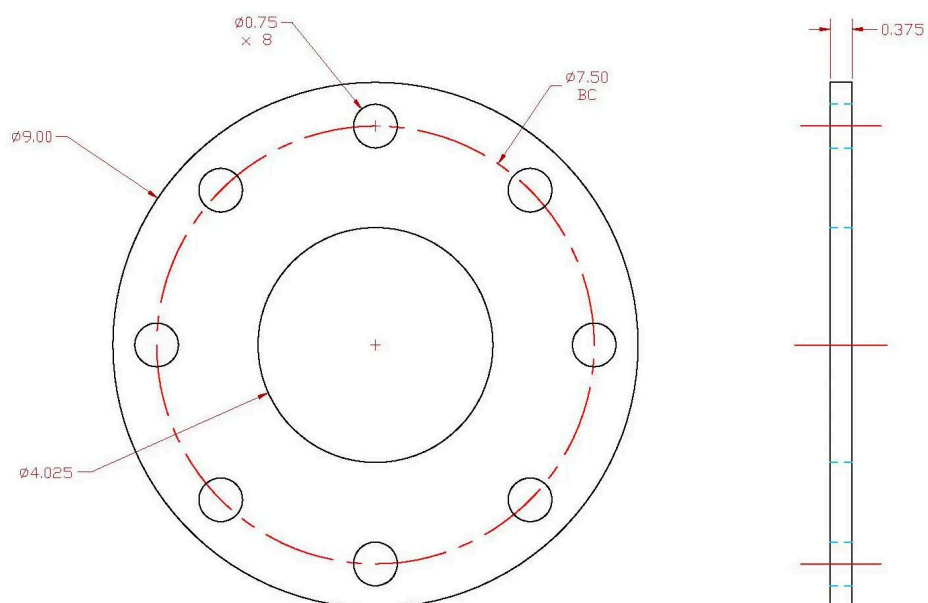
Exhaust Fitting
3" Diameter Tube



Inlet Fitting
2" NPT Female

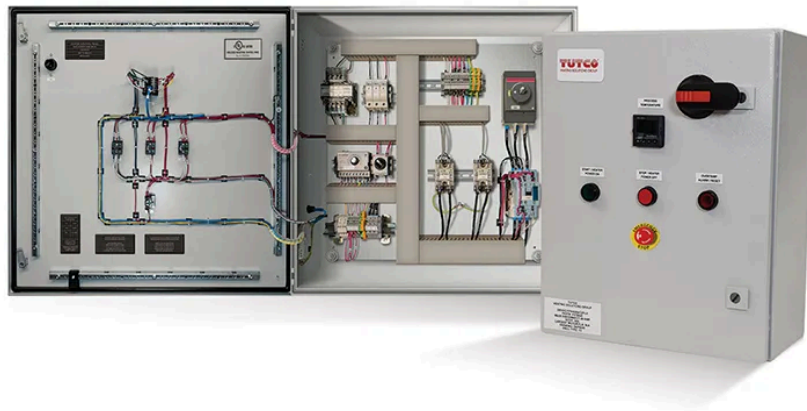


Inlet Fitting
3" Diameter Tube



Complete your Thermal System

Check out these upgrade options for the Flow Torch™



Control Panels

Closed-loop heater control systems use a power controller, temperature controller, and thermocouples to monitor and provide constant output temperature.

[VIEW PRODUCT](#)



Insulation Blankets

Our insulation blankets are made specifically for the Flow Torch family of products. Improve safety for people and products, and save money by reducing waste heat.

[GET INFO](#)