

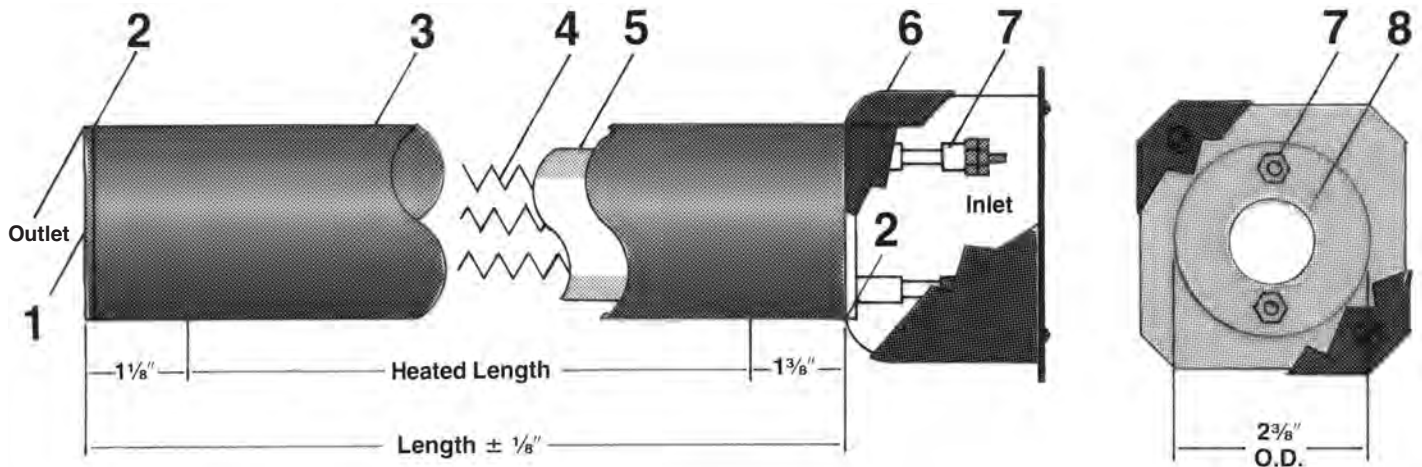


Air Process Heaters

Heavy Duty—Horizontal use only



AIR



Features

- This high temperature, moderate volume air heater is principally designed for continuous high temperature operations up to 1200°F (650°C), while supplying a good flow rate up to and in excess of 50 CFM.
- This heater is especially suited for vacuum and pressure environments, as well as other applications where a heavy duty construction is desirable.
- Its design features include a nickel chromium heating element supported inside of a high quality ceramic core. Its outside sheath is stainless steel with heliarc welded and fittings. Its terminals are a high quality ceramic-to-metal especially designed for heavy loads and high pressures.
- Designed for moderate volume and high temperatures.
- Pressure rating is 100 psig at room temperature. Higher pressure ratings are available. Consult factory.
- For temperature control, see page 54 and pages 131-134.
- Made in U.S.A.

Construction

- 1 1" NPT female outlet.
- 2 Heliarc weld.
- 3 Stainless steel sheath.
- 4 Resistance coil.
- 5 Ceramic coil support.
- 6 Connection box - 4" Octagonal-Nema 1.
- 7 Ceramic to metal seal with terminals.
- 8 ½" NPT female air inlet.



Air Process Heaters

Heavy Duty

Specifications

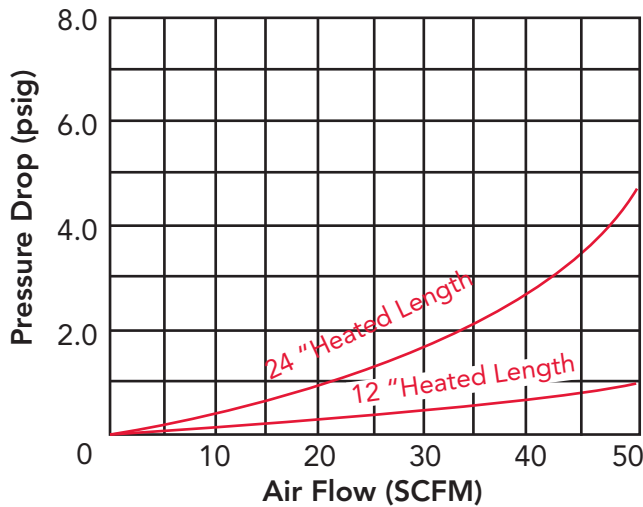
Maximum Amperage: 30

Cross Sectional Flow Area: .69 sq. in.

CFM	Max. Watts/linear in of heated length
1	150
2	150
4	150
6	150
8	150
10	150
15	200
20	250
25	300
30	350
35	400
40	475
45	525
50	575
55	625

Pressure rating: 100 psig.

Pressure Drop vs. Air Flow



Size

Lengths are available from 6"-36". Standard entry is 1/2" NPT female and the standard exit is 1" NPT female.

▼ Manufactured Items ▼

Size

Length	Heated Length	Catalog No.
6"	3 1/2"	HA2-6
8"	5 1/2"	HA2-8
10"	7 1/2"	HA2-10
12"	9 1/2"	HA2-12
18"	15 1/2"	HA2-18
24"	21 1/2"	HA2-24

Special Features

SF-28 Three Phase

SF-29 Multiple Heat Circuits - Specify Wattages

SF-32 High Voltage

Consult Factory For:

Lengths longer than those listed

Current ratings above 30 amps.

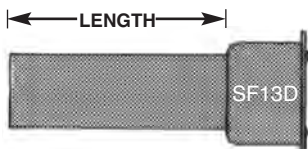
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▼ IN STOCK ITEMS ▼

Heavy Duty Air Heaters

Supplied with: Type SF3S terminals Type SF13D enclosure

Length	Cat. No.	Dia.	Wattage	Voltage	Watts/Linear Inch	Weight	Terminals
12"	HA2-12	2 3/8"	375	120	40	7.0	S&N w/enclosure
12"	HA2-12	2 3/8"	1500	240	158	7.0	S&N w/enclosure
24"	HA2-24	2 3/8"	750	120	35	12.5	S&N w/enclosure
24"	HA2-24	2 3/8"	3000	240	140	12.5	S&N w/enclosure





Air Process Heaters

Temperature Sensing

Thermocouple fittings are available for standard air heaters with male fittings 5/8" diameter and larger as well as Heavy Duty and Pure Flow types. The fittings are threaded into the exit end of the air heater and accept coupling type probes. They are designed to sense the exit air temperature. See pages 131 through 134 for details on probes and temperature controls.

Fittings – Stainless Steel

Cat.No.	A-NPT	B-NPT	C	D	E	F
TC-5	1/2"	1/2"	1 3/8"	1 1/8"	.562"	3/16"
TC-75	3/4"	3/4"	1 1/2"	1 3/8"	.625"	7/16"
TC-1	1"	1"	1 3/4"	1 5/8"	.687"	3/8"
TC-125	1 1/4"	1 1/4"	2"	2"	.719"	1/4"

Selection Chart

Heater Type	Fitting
5/8" dia.	TC-5
3/4" dia.	TC-75
1 1/4" dia.	TC-125
Heavy Duty	TC-1
Pure Flow	TC-5

How To Order

Example: TC-5/HT-121202-001

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Thermocouple Sensing

