

1700°C Heavy Duty Tube Furnace

Our 1700°C Tube Furnace is energy efficient with fast heat-up recovery rates and exceptional temperature uniformity – all at an economical price.

This unit offers:

- Easily replaceable elements without the need to match resistance values
- Accurate temperature measurement
- Cool furnace exterior
- Long thermocouple life
- Added safety and performance



Features

- Moldatherm® end vestibules accept 3" O.D. process tube (customer supplied)
- Sidewall heating element mounting
- Type "B" thermocouples and 10' compensated lead wire with polarized plug included
- Moldatherm® graduated density insulation
- Independent digital temperature control with 16 programmable segments
- Temperature - 1700°C (3092°F) Maximum
- Chamber Sizes
 - 12" heated length bored for 1"-3" OD process tube
 - 24" heated length bored for 1"-3" OD process tube.

Options

- Inert and combustible atmosphere admission systems
- Vertical versions
- Computer communications software
- Moldatherm® vestibules permit operation with 1", 2" and 3" O.D. process tubes for increased versatility
- Option B Overtemperature Control (OTC)
- Adjustable digital overtemperature control, factory installed on selected control consoles with "B" designation. Overrides main controller, assumes temperature control and shuts off power to furnace if high limit is reached.
- Vestibules
- Optional Moldatherm® vestibules permit operation with 1", 2", and 3" O.D. process tubes for increased versatility. Two vestibules are required for each furnace. One 3" vestibule set is included and installed with each furnace.
- Moldatherm Sleeves
- Tube sleeves may be placed over customer supplied process tubes to reduce thermal shock to the process tube. One set of 3" tube sleeves is included with each furnace.



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Model	Single Phase Electric Power (Volts/Hz)	Wattage	Independent Controller	Exterior Dimensions WxH-BxH inches (cm)	Process Tube Diameter inches (cm)	Heated Length inches (cm)	Shipping Weight lbs. (kg)
STF54434C	208/240, 50/60	5,000	CC59256PCOMC	16 x 22 x 19 (40.6 x 55.9 x 48.3)	1, 2, 3 (2.5, 5.1, 7.62)	12 (30.48)	95 (43)
STF54454C	208/240, 50/60	10,000	CC59256PCOM2KT	16 x 34 x 19 (40.6 x 86.4 x 48.3)	1, 2, 3 (2.5, 5.1, 7.62)	24 (60.96)	165 (75)

Controller Model	Digital	With Programmer	With Overtemp Controller	Exterior Dimensions inches (cm)	Shipping Weight lbs. (kg)
CC59256PCOMC	Yes	Yes	N/A	21 x 15 x 10 (53.3 x 38.1 x 25.4)	130 (59)
CC59256PBCOMC	Yes	Yes	Yes	21 x 15 x 10 (53.3 x 38.1 x 25.4)	130 (59)
CC59256PCOMCKTC	Yes	Yes	N/A	22 x 15 x 30 (55.9 x 38.1 x 76.2)	230 (105)
CC59256PBCOMCKTC	Yes	Yes	Yes	22 x 15 x 30 (55.9 x 38.1 x 76.2)	230 (105)

Furnace Model	Vestibule Catalog No. (Ordered Separately)		
	1-inch Diameter	2-inch Diameter	3-inch Diameter
STF54434C	7219-2147-001	7219-2147-002	Included (7219-2147-003)
STF54454C	7219-2147-013	7219-2147-012	Included (7219-2134-011)

Furnace Model	Sleeve Catalog No. (Ordered Separately)		
	1-inch Diameter	2-inch Diameter	3-inch Diameter
STF54434C	7219-2134-001	7219-2134-002	Included (7219-2134-003)
STF54454C	7219-2134-013	7219-2134-012	Included (7219-2134-003)

All specifications are subject to change without notice.

