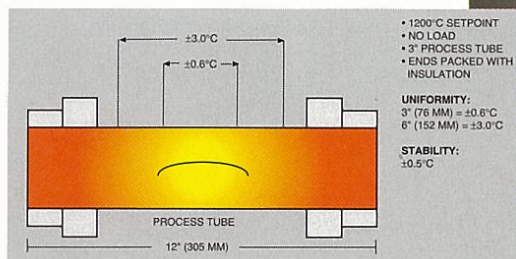
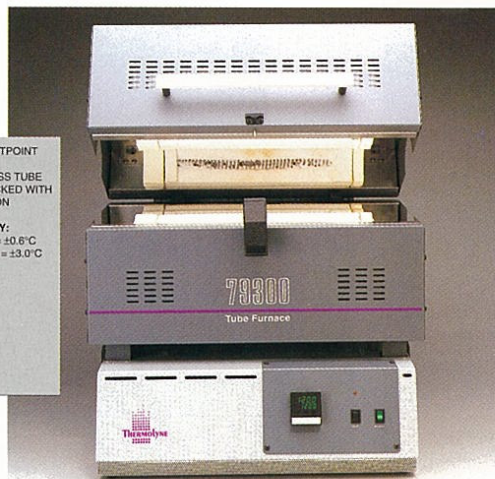


## Single Zone Split Tube



Heating Zone Uniformity & Stability



### Split Tube for Easy Access!

- 1200°C max. temperature
- 12" (30 cm) or 24" (60 cm) heated zone
- Can be operated vertically with optional floorstand



Type F79300

### Product Description

- Our new 12" (30 cm) and 24" (60 cm) split tube furnaces include a built-in temperature controller to conserve valuable bench space.
- Units are flexible enough to be mounted horizontally, remotely, or vertically on our optional floor stand (model AY793X1).
- Single zone split tube furnaces heat to 1200°C in only 20 minutes. With exposed coil heating elements embedded in state-of-the-art ceramic fiber insulation.
- 1, 2, and 3 inch tube chamber collars are included.
- No power cord supplied. Electrical connection requires fixed wiring.
- No process tubes supplied with furnace.

### Operation

- Choose from 3 temperature control models:  
**B1:** Digital single set point control with a single ramp to set point and a dwell. A single display shows actual temperature or set point. The furnaces that use this control also utilize a mechanical Over Temperature Protection relay.

**C1:** Digital programmable control with one stored program of 8 segments. The furnaces that use this control also utilize a mechanical Over Temperature Protection relay.

**D1:** Digital programmable control with 4 stored programs, 16 segments per program. The controller also includes RS232 communications. The furnaces that use this control also utilize a mechanical Over Temperature Protection relay.

### Safety

- A door safety switch turns off power to the heating elements each time the chamber is opened for loading or unloading process tubes.
- Over temperature protection safeguards valuable research by permitting you to set the desired maximum temperature.
- Single zone split tube furnaces are guarded with thermocouple break protection. In case of an open circuit, power is cut off to the elements to avoid an over temperature situation.

### PRODUCT SPECIFICATIONS

Type	Process Dia. Tube Inches (cm)	L	Overall Dimensions Inches (cm)			Shipping Weight Lb.(kg)
			W	H	D	
F79300	1 - 3 (2.5 - 7.6)	12 (30.5)	21.9 (55.6)	23.1 (58.7)	18.9 (47.9)	120 (54.4)
F79400	1 - 3 (2.5 - 7.6)	24 (60)	34.9 (88.6)	23.1 (58.7)	18.9 (47.9)	150 (68)

### ACCESSORIES

Model #	Description
AY793X1	Bench stand (required to remote operate in vertical position)
AY793X2	Extension Wire Kit (1200) thermocouple, element power and door switch for remote operations.
AY793X3	Extension Wire Kit (2400)\$119.90 thermocouple, element power and door switch for remote operations.

### ORDERING INFORMATION

Model #	Electrical (50/60 Hz)			Operating Temp Range °C	Temp Zone	Heating Control
	Volts	Amps	Watts			
F79320-33	240	12	2880	100-1200	12(30.5)	B1
F79325	120	24	2880	100-1200	12(30.5)	B1
F79330-33-70 <sup>1,2</sup>	240	12	2880	100-1200	12(30.5)	C1
F79335-70	120	24	2880	100-1200	12(30.5)	C1
F79340-33	240	12	2880	100-1200	12(30.5)	D1

Model #	Electrical (50/60 Hz)			Operating Temp Range °C	Temp Zone	Heating Control
	Volts	Amps	Watts			
F79345	120	24	2880	100-1200	12(30.5)	D1
F79420-33	240	24	5760	100-1200	24(61.0)	B1
F79430-33-70 <sup>1,2</sup>	240	24	5760	100-1200	24(61.0)	C1
F79440-33	240	24	5760	100-1200	24(61.0)	D1

<sup>1</sup> CE, <sup>2</sup> CSA