

Thermo Scientific Thermolyne atmosphere controlled ashing furnaces

Ideal for coal and coke ashing procedures

- Thermo Scientific Thermolyne atmosphere controlled ashing furnaces
- Reaches 975 °C with the standard stainless-steel manifold and 1093 °C with the optional inconel manifold
- Adjustable gas flowmeter/valve (0-80 L/min.) on front for easy access when adjusting the airflow rate
- Stainless-steel manifold at rear chamber prewarms incoming gases, provides a maximum temperature gradient of only ± 3 °C at 750 °C
- Chamber rear has a 0.25 in. diameter port for monitoring chamber temperatures with independent measuring devices
- Includes hose barb (in back of chamber) for inert gas line with tubing 0.64 cm (0.25 in.) I.D. and 0.96 cm (0.375 in.) O.D

Type F6000

- Includes two dual-purpose stainless-steel trays and one handle. Each tray can accommodate 24 (30 mL) porcelain crucibles or 38 (10 mL) quartz crucibles

Type F6000-80 programmable models

- Meets ASTM® D3174 specifications: 3 to 4 air exchanges per min.
- Typical settings can be programmed: Model F6000 with C1 or C1 control meets ASTM D3174 specifications: 3 to 4 air exchanges per minute - Heating rate of 8 °C/minute to 500 °C, 6 °C/minute, from 500° to 750 °C, Hold at 750 °C for two hours, then turn off automatically



Choice of temperature controllers

- Controls B1, C1, D1
- See page 6 for control details

Applications

- Coal and coke ashing procedures

Cat. No.	Capacity	Max. Temp.	Holds	Interior D x W x H	Exterior L x W x H	Control	Electrical	Plug Type
F6020C-33-60 [†]	14 L (0.5 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 49 x 53 cm (20 x 19.1 x 21 in)	B1	240 V, 18.3 A 4400 W	No plug, no cable, requires hardwiring
F6028C-60 [†]	14 L (0.5 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 49 x 53 cm (20 x 19.1 x 21 in)	B1	208 V, 19.2 A 4000 W	No plug, no cable, requires hardwiring
F6020C-33-60-80 [†]	14 L (0.5 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 49 x 53 cm (20 x 19.1 x 21 in)	C1	240 V, 18.3 A 4400 W	No plug, no cable, requires hardwiring
F6028C-60-80	14 L (0.5 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 49 x 53 cm (20 x 19.1 x 21 in)	C1	208 V, 19.2 A 4000 W	No plug, no cable, requires hardwiring
F6030CM-33-60 [†]	14 L (0.5 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 49 x 53 cm (20 x 19.1 x 21 in)	D1	240 V, 18.3 A 4400 W	No plug, no cable, requires hardwiring
F30420C-60-80 [†]	45 L (1.6 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	36 x 36 x 36 cm (14 x 14 x 14 in)	65 x 55 x 75 cm (25.5x 21.5 x 29.5 in)	C1	240 V, 22.9 A 5500 W	No plug, no cable, requires hardwiring
F30420-33-60-80 [†]	45 L (1.6 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	36 x 36 x 36 cm (14 x 14 x 14 in)	65 x 55 x 75 cm (25.5x 21.5 x 29.5 in)	C1	240 V, 22.9 A 5500 W	No plug, no cable, requires hardwiring
F30428C-60-80 [†]	45 L (1.6 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	36 x 36 x 36 cm (14 x 14 x 14 in)	65 x 55 x 75 cm (25.5x 21.5 x 29.5 in)	C1	208 V, 23.4 A 5500 W	No plug, no cable, requires hardwiring
F30430CM-60 [†]	45 L (1.6 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	36 x 36 x 36 cm (14 x 14 x 14 in)	65 x 55 x 75 cm (25.5x 21.5 x 29.5 in)	D1	240 V, 22.9 A 5500 W	No plug, no cable, requires hardwiring
F30430CM-33-60 [†]	45 L (1.6 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	36 x 36 x 36 cm (14 x 14 x 14 in)	65 x 55 x 75 cm (25.5x 21.5 x 29.5 in)	D1	240 V, 22.9 A 5500 W	No plug, no cable, requires hardwiring
F30438CM-60 [†]	45 L (1.6 cu.ft.)	975 °C	24 (30 mL) porcelain or 38 (10 mL) quartz crucibles	36 x 36 x 36 cm (14 x 14 x 14 in)	65 x 55 x 75 cm (25.5x 21.5 x 29.5 in)	D1	208 V, 23.4 A 5500 W	No plug, no cable, requires hardwiring

[†]CSA listed. [†]CE marked.

Hearth trays

Cat. No.	Description	For Use with
TY408X2A	Crucible trays	Atmosphere controlled ashing furnace
SH408X1	Stainless-steel shelf	F6000-60 atmosphere controlled ashing furnace; premium large muffle furnaces
HN408X2A S	Shelf handle	Atmosphere controlled ashing furnaces
SH412X1	Refractory shelf for F30400-60	F30400-60 atmosphere controlled ashing furnaces
AY408X1	Inconel manifold	F6000 furnace
AY408X1A	Exhaust tubing kit	Atmosphere controlled ashing and muffle furnaces
AY718X1	Inconel manifold	F30400 furnace

Warranty*: 1 year (parts and labor)

Certifications: CSA certified, CE marked as indicated
Required power cord and hardwiring not included.