

Electrothermal Furnaces



Heavy Duty Muffle



Type F1800, F1600 and F1700

Product Description

- Heavy-duty firebrick insulation. Hard, abrasion resistant, designed to support heavy loads.
- Heavy duty steel case supports the most demanding requirements.
- Door is filled with refractory cement for long service life
- Models F1600 and F1700 heating elements embedded in special refractory cement offer long service life, protection from harmful materials and mechanical shock.

Firebrick and Steel for Demanding Applications!

- Up to 1.5 cu. ft. capacity
- Temperature up to 2480°F
- Choice of controllers ordered separately
- Heating elements located on all four sides of chamber for maximum heat transfer and chamber uniformity.
- Accessories: Supplied with ceramic hearth try to protect bottom heating element.
- Electrical connections made with conduit connectors.

Safety

- For safety, door is counter-weighted to open upwardly; hot side is away from operation.

Applications

- Ashing organics
- Heat treating tools and ties
- Heat treating glass

Controller sold separately. See Furnace Controllers.

PRODUCT SPECIFICATIONS

Type	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Chamber cu. in. (l)	Shipping Weight Lb. (kg)
	W	H	D	W	H	D		
F1600	5.5 (13.9)	5 (12.7)	13 (33)	18 (45.7)	15.5 (39.3)	24 (60.9)	346 (5.7)	160 (72.5)
F1730	9.5 (24.1)	8.5 (21.5)	13.5 (34.2)	28 (71.1)	28 (71.1)	34.2 (86.8)	1088 (17.7)	420 (190.5)
F1740	9.5 (24.1)	8.5 (21.5)	18 (45.7)	28 (71.1)	28 (71.1)	39.4 (100.1)	1451 (23.7)	480 (209.2)
F1800	10.5 (26.6)	11 (27.9)	22 (55.8)	26 (66)	30 (76.2)	41 (104.1)	1.5 cu. ft. (41.4)	800 (362.8)

ORDERING INFORMATION

Standard Models	Temp °F	Hi-Temp Models	Operating Temp °F	Volts (phase)	Electrical (50/60 Hz) Amps	Kilowatts	US List Price Standard	US List Price Hi-Temp
FA1630	302-1999	FA1630-1	302-2150	240 (1)	17.0	4.1	\$2,227.00	\$2,384.00
FA1635	302-1999	FA1635-1	302-2150	120 (1)	34	4.1	\$2,227.00	\$2,384.00
FA1638	302-1999	FA1638-1	302-2150	208 (1)	19.7	5.76	\$2,227.00	\$2,384.00
Type F1700								
FA1738	302-1999	FA1738-1	302-2150	208 (1)	27.7	5.8	\$3,967.00	\$4,203.00
FA1730	302-1999	FA1730-1	302-2150	240 (1)	24	5.8	\$3,967.00	\$4,203.00
FA1736	302-1999	FA1736-1	302-2150	480 (1)	12	5.76	\$3,967.00	\$4,203.00
FA1748	302-1999	FA1748-1	302-2150	208 (1)	33	6.9	\$4,273.00	\$4,532.00
FA1740	302-1999	FA1740-1	302-2150	240 (1)	33	7.9	\$4,273.00	\$4,532.00
FA1746	302-1999	FA1746-1	302-2150	480 (1)	27.7	5.8	\$4,273.00	\$4,532.00
Type F1800								
FA1850	302-1999	FA1850-1	302-2480	240 (1)	52	12.50	\$7,416.00	\$8,587.00
3FA1858	302-1999	-	-	208 (3)	28	10.1	\$7,416.00	-
-	-	3FA1858-1	302-2480	208 (3)	34	12.2	-	\$8,587.00
3FA1850	302-1999	3FA1850-1	302-2480	240 (3)	28	11.6	\$7,416.00	\$8,549.00
3F1856	302-1999	3F1856-1	302-2480	480 (3)	17	14.1	\$7,416.00	\$8,549.00

Temperature controllers must be purchased separately. Three different controllers are available.