ECONO-HEAT™ HIGH TEMPERATURE FURNACES

Aremco offers a complete line of electric box furnaces from 0.5 to 7.5 cubic feet for applications to 2350 °F. All furnaces are ruggedly constructed and energy efficient, and a wide range of temperature controls are offered for every type of use. Custom features and sizes are also available upon request.

PRODUCT HIGHLIGHTS

- *All furnaces are built with 3" premium insulating firebrick and 1" fiber board to permit rapid firing.*

- *Elements are protected in dropped recessed side wall grooves to provide even heating, longer life, and easy replacement.*

- *Outer shells are constructed using stainless steel to improve the casing resistance to high temperatures.*

- *Front-loading and top-loading door styles are offered.*

- *Alternate power requirements for domestic and international use are easily accommodated.*

- *Replacement elements are available on a just-in-time basis.*

- *User-friendly programmable controller.*
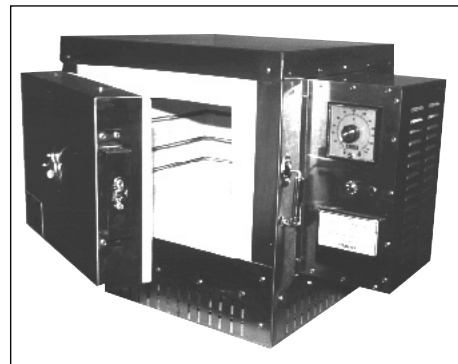
TYPICAL APPLICATIONS

- *Ash Determinations*
- *Assaying*
- *Tempering*
- *Hardening*
- *Heat Treating*
- *Glass Annealing*
- *Melting*
- *Fusions*
- *Dry Precipitates*
- *Curing Plastics*

- *Thermal Cycling*
- *Carbon & Sulphur Tests*
- *Cement Tests*
- *Glass & Enamel Tests*
- *Jominy Hardness Tests*
- *Petroleum Tests*
- *Powder Metallurgy*
- *Thermocouple Standardization*
- *Ceramic Tests*
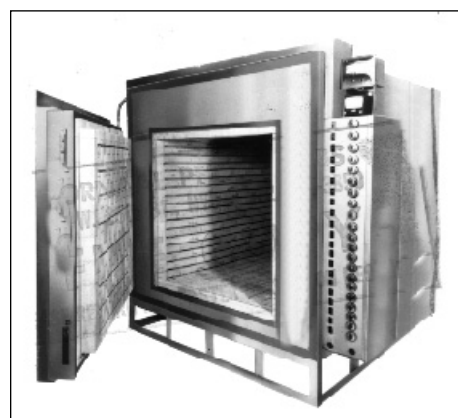- *Ignitions*

TEMPERATURE CONTROLLER

All Econo-Heat™ furnaces are built using the Sentry Xpress 4.0 Temperature Controller by Orton. This controller is a 3-button, 4-segment LED controller that provides 5 built-in speed settings (ramp rate) and the capability to store up to 4 programs with a maximum of 8 segments per program. This flexible, user-friendly controller enables quick and easy programming by the operator.

OPTIONS

Econo-Heat™ furnaces can be modified to include useful features such as view ports, entry holes, or gas intake and exhaust fittings. Larger area and ultra-high temperature furnaces are also available. Contact Aremco's sales engineering department to discuss your requirements.

Econo-Heat™ 2928-B Furnace. This model has a work area of 13" x 13-1/2" x 8-3/4" and is equipped with a single set point analog temperature controller.

The Econo-Heat™ furnace shown is a custom unit designed for an aerospace manufacturer for use in heat treating. This furnace has a work area of 42" x 42" x 65", and a unique temperature control system consisting of 21 elements each with its own infinite control switch to permit uniform heating of complex shapes.

Econo-Heat™ 2931 Top-Loading Furnace. This model has a work area of 17" x 20" x 17" and is capable of 2400° F operation using single phase service, 240 Volts and 40 Amps.

E3

AREMCO PRODUCTS, INC.

ECONO-HEAT 2900-SERIES FURNACE SPECIFICATIONS

MODEL NO.	SIZE (W" x D" x H")		STYLE		POWER			Max. Operating Temp. (° F)	Apprx. Wt. (lbs.)	ELEMENTS
	ID	OD (Approx.)	Front Load	Top Load	Volts	Amp	Phase			No. Per Unit
2927	$8\frac{1}{2}$ x 9 x $8\frac{3}{4}$	$16\frac{1}{2}$ x 17 x $21\frac{3}{4}$	X		120	15	1	2350	80	2
2928	13 x $13\frac{1}{2}$ x $8\frac{3}{4}$	21 x $21\frac{1}{2}$ x $21\frac{3}{4}$	X		240	15	1	2350	110	2
2929	22 x 22 x $13\frac{1}{2}$	30 x 30 x $26\frac{1}{2}$	X		240	45	1	2350	295	3
2930	15 x 18 x 15	$29\frac{1}{2}$ x 29 x 29		X	240	30	1	2350	280	4
2931	17 x 17 x 20	31 x 31 x 31		X	240	40	1	2350	300	4
2932	$21\frac{1}{2}$ x $21\frac{1}{2}$ x $24\frac{1}{2}$	31 x 36 x 35		X	240	45	1	2350	410	5

Refer to Price List for complete order information.