



## PRODUCT BULLETIN

SEPOR, INC.  
718 N. FRIES AVE.  
P. O. BOX 578  
WILMINGTON, CA 90748  
PHONE: 310-830-6601  
FAX: 310-830-9336

Web Site: <http://www.sepor.com>

# HIGH TEMPERATURE FRONT LOADING FURNACES

Our low inertia, energy efficient bench top size front loading furnace minimizes energy consumption while it maximizes heat, reaching maximum temperature in twenty minutes. This fast heating unit is also fast cooling and requires less power to operate than conventional furnaces. Features a clear workspace 10" wide, 10" deep, and 8" high. 250° door swing.

### TEMPERATURE OPTIONS

2192° F/C 1200°.

2912° F/C 1600°.

3100° F/C 1704°.

### STANDARD SIZES (Working Volume)

From our standard bench top unit (10" x 10" x 8" clear workspace) up to 64 cubic feet.

### REFRACTORY

Rugged fireproof "asbestos free" insulation panels of space-age fiber refractory specially treated to withstand frequent fast-heating, fast-cooling cycles.

### FURNACE CONSTRUCTION

'No steel shell alleviates burning and warping but retains wall shape, thus preventing unpredictable refractory movement and cracking, reducing radiation heat loss and subsequent failure, assuring longest possible furnace life.

### HEATING ELEMENTS

Wire wound elements embedded in fiberboard insulation panels or in ceramic panels are used in our 1200° units. Molydisilicide elements, used in our 1600° and 1700° units, are quick responding and do not require resistance matching. They are connected and supported with split, solid aluminum buss-bars or ceramic supports with braid connectors. Many sizes of replacement elements are maintained in stock.

### CONTROL SYSTEMS

Standard packages include programmable temperature controller; over temperature protection system; SOP; transformer; and thermocouple. Control systems are mounted in a steel cabinet. Custom control packages are available upon request.

