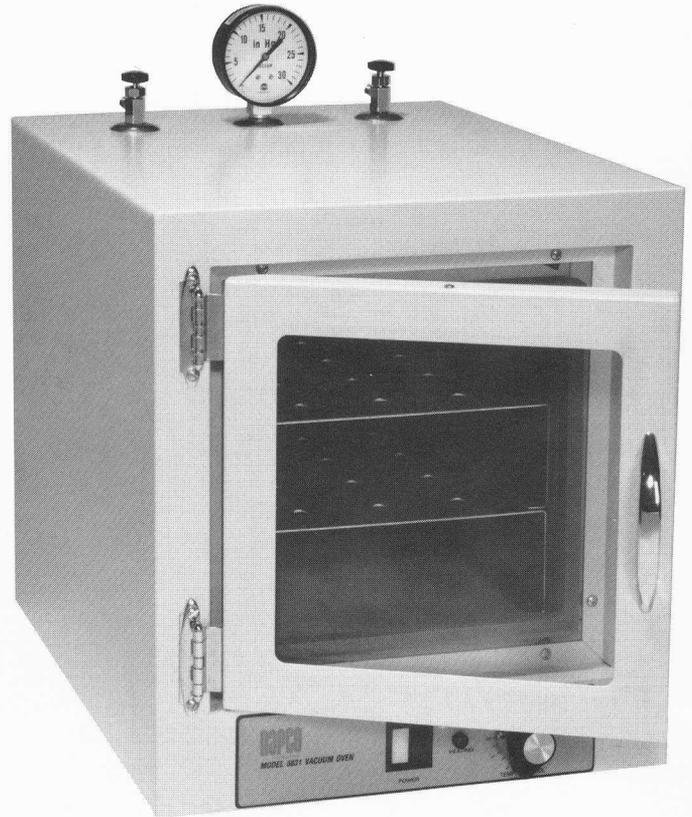These ovens are engineered to provide excellent vacuum and temperature performance for laboratory and production techniques over long periods of time.

FEATURES

- All stainless steel chamber.
- Resistant to corrosive atmospheres.
- Full view of interior.
- Low leak rate.
- High reliability.
- Wide range of applications (i.e., chip drying).
- One year warranty parts and labor.

- Durable epoxy-polyester hybrid powder coating contributes longer life and lasting value with almond body and gray control panel.

UL LISTED

CSA CERTIFIED

Model 5831

napco®

All models have stainless steel chambers as standard equipment, which are recommended for use with corrosive vapors, aromatic hydrocarbons, production of semi-conductors, storage of vacuum tubes or electronic parts where contamination cannot be tolerated. The exteriors are steel and finished in scratch-resistant baked enamel. The walls are insulated with 2 inches of fiberglass. All ovens have an observation window which is 8″ square and made of tempered glass which is ½″ thick. The observation window provides a full view of the chamber and is gasketed for vacuum sealing. High heat-resistant silicone door and window gaskets are standard equipment on all ovens. The use of Buna-N gaskets is recommended when the ovens are to be used with volatile hydrocarbons that deteriorate silicone. Viton-B acid-resistant gaskets are recommended and available for applications requiring work with acids.

■ **Instrumentation**

A 0″ to 30″ vacuum gauge provides for easy reading of the vacuum. An adjustable thermostat with a calibrated dial controls the contact heating elements which are clamped to the chamber walls. Two metering valves provide fine adjustment for vacuum and bleed operations. A panel-mounted thermometer and safety thermostat are supplied on the large capacity 5861 oven. The 5831 and 5851 are supplied with glass thermometers. Models 5851 and 5861 are provided with a 1″ IPS-capped penetration port for plumbing to a vacuum system, purge system or quick pump-down and back-fill system.
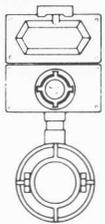

Model 5851

- **Options**
  Models 5851 and 5861 can be supplied with the following modifications at extra cost. Quotations from the factory will be made through your scientific dealer.
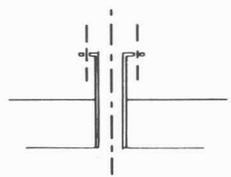
- **Safety Thermostat**
  Panel-mounted temperature limit thermostat and indicator light (standard on 5861).

- **Explosion-Proof Wiring**
  For hazardous locations, with thermostats, indicator lights and switch mounted in explosion-proof conduit and fitting mounted on side of oven. Safety thermostat is included.

- **Penetration Ports**
  Specify size, length extending from outer cabinet, location, pipe thread or straight.

Model 5861

■ **Accessory Equipment**
Extra shelf for Model 5831 — Part Number 97054
Extra shelf for Model 5851 — Part Number 96995
Extra shelf for Model 5861 — Part Number 97125
NOTE: Additional shelf supports required when adding extra shelves.

SPECIFICATIONS

Model	5831	5851	5861
Vacuum range	Atmosphere to 10 microns with adequate pump	Atmosphere to 10 microns with adequate pump	Atmosphere to 10 microns with adequate pump
Temperature range	35 °C to 200 °C	35 °C to 200 °C	35 °C to 200 °C
Shelf capacity			
Cu. ft.	2 / 0.45	2 / 1.6	3 / 4.5
Liters	2 / 12.7	2 / 45	3 / 127
Inside dimensions, usable Inches Centimeters	(W-D-H) 8×12×8 20×30.5×20	(W-D-H) 12×19×12 30.5×48×30.5	(W-D-H) 18×24×18 46×61×46
Outside dimensions Inches Centimeters	(W-D-H) 13×16×18 33×41×46	(W-D-H) 19.75×27×22.5 50×69×57	(W-D-H) 26×36×35.5 66×91×90
Electrical Service	500 Watts 120 VAC 50/60 Hz 4.6 Amps	1000 Watts 120 VAC 50/60 Hz 8.3 Amps	1500 Watts 120 VAC 50/60 Hz 12.5 Amps
Net weight Pounds Kilograms	42 19	116 64	290 132
Shipping weight Pounds Kilograms	46 21	125 83	430 177

NOTE 1: Leak rate is 0.2/24 hours.

NOTE 2: Recommended pumping rate — 60 liters per minute free air capacity.