

# PRODUCT INFORMATION

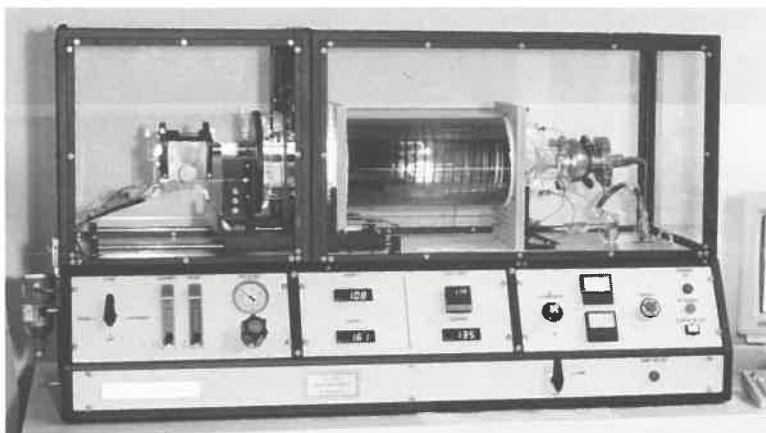


## TRANSPARENT FURNACES FOR BRAZING Controlled Atmosphere/High Vacuum

Don't wait for your furnace to cool to monitor your process. With the unbeatable view into CA Series Transparent Furnaces, you OBSERVE AND ADJUST THE PROCESS AS IT OCCURS!!

### APPLICATIONS

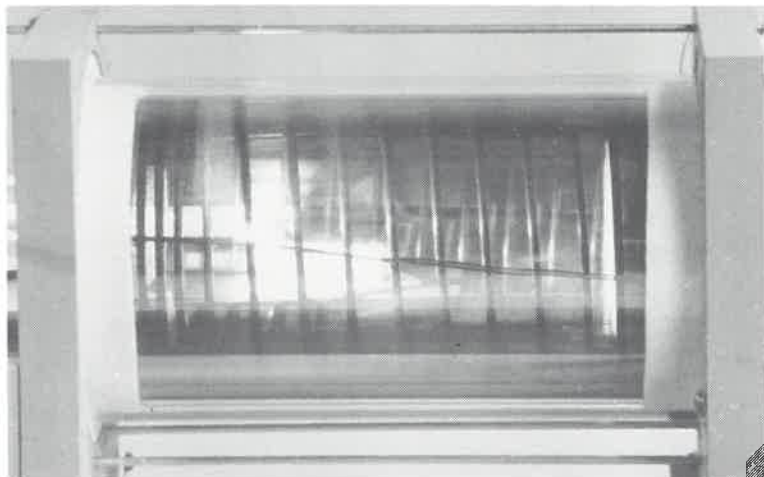
- Preproduction batch testing of flux, filler metal, and clad materials for melting range, etc.
- Optimizing joint design
- Define optimum production process cycles
- Analyzing problems in production furnaces (duplicate temp, dewpoint, vacuum level, and process cycle)
- Education and training



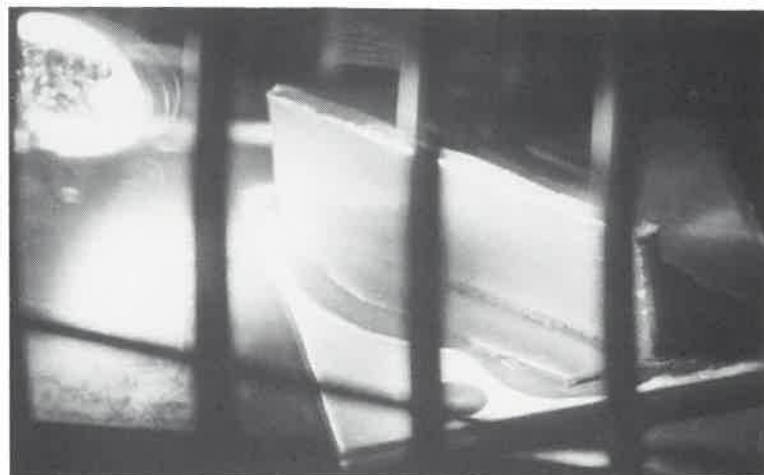
CA2091 Transparent Furnace

### ADVANTAGES

- Increase insight into process
  - don't guess, see what occurs at temperature
  - don't miss transient phenomena
- Accelerate development
  - fewer runs required to develop process
  - up to 8 typical braze cycles per day
- Save time, process gas, and energy
  - fewer runs, less energy per run
- Rapid heating and cooling rates
  - reduced cycle time

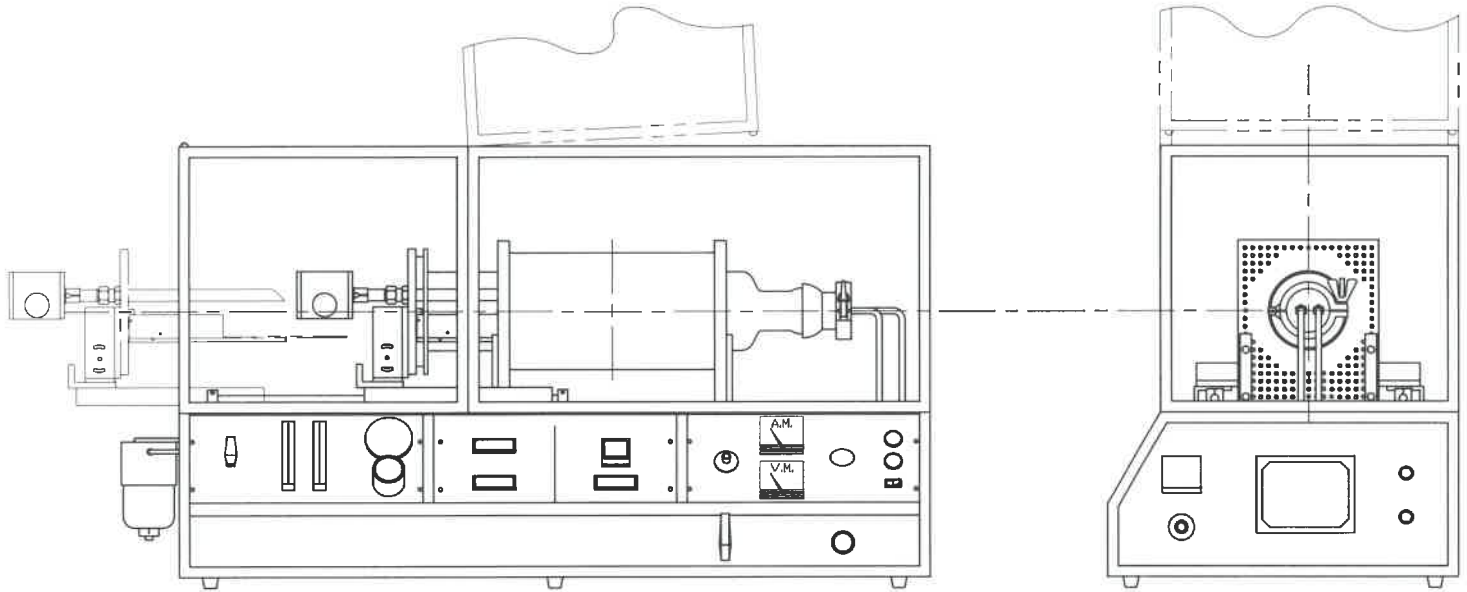


Sample in hot zone



3003 Alum. Tee joint/718 filler metal during flux melting

**ASK FOR OUR FREE  
VIDEOTAPE**



**CA2091 TRANSPARENT FURNACE**  
(computer control system not shown)

**SPECIFICATIONS**

	<i>CA2090</i>	<i>CA2091</i>
Hot Zone Size	2.5" dia x 5" long	4.5" dia x 10" long
Temp Rating	To 950°C (1742°F)	To 950°C (1742°F)
Atmosphere	N <sub>2</sub> , Ar, He Forming Gas	N <sub>2</sub> , Ar, He Forming Gas
Vacuum (optional)	5×10 <sup>-6</sup>	5×10 <sup>-6</sup>
Power	115VAC, 1ϕ, 30A	240VAC, 1ϕ, 40A
Gas	20–40 psi, 20 scfh	20–40 psi, 20 scfh
Bench Space (plus computer)	48"W × 30"D × 46"H (1219mm × 762mm × 1168mm)	60"W × 30"D × 46"H (1524mm × 762mm × 1168mm)
Weight	120 lbs.	150 lbs.

**OPTIONS AVAILABLE**

Dewpoint Probe • Gas Purifier • Oxygen Monitor • Vertical Support Stand  
High Vacuum Capability • RGA • Video Microscopes



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