

Multipurpose atmosphere furnace (PVF)

The PVF Series are atmosphere furnaces that incorporate a muffle, are of a completely closed type, and easily provide highly vacuum atmosphere, non-oxidizing atmosphere or inert atmosphere. In addition, they are equipped with various functions, making them multipurpose furnaces.



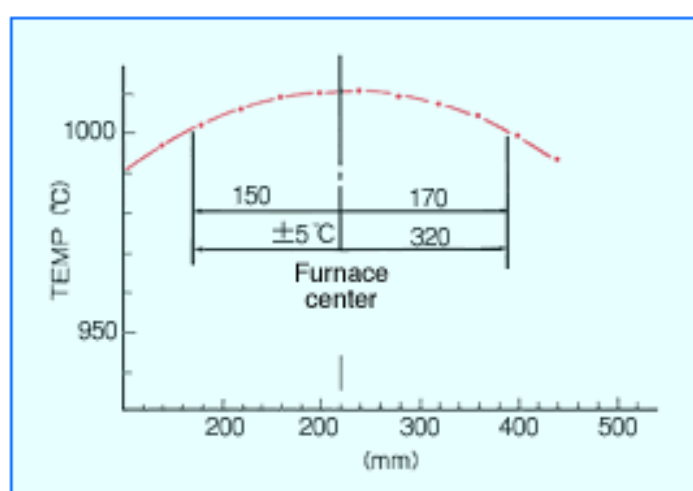
features

- Automatic setting in multiple atmosphere
- Control of highly vacuum atmosphere and non-oxidizing atmosphere
- Assuring of uniform heating

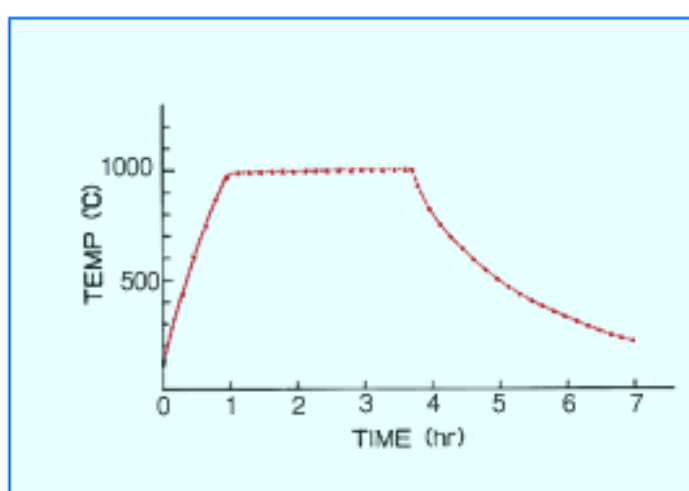
[Standard specifications]

Model	PVF-L2030	PVF-M2030	PVF-H1315
Maximum temperature	900°C	1150°C	1350°C
Effective internal dimensions of furnace	200W×200H×300D(±5°C)		130φ×150L
Time required for heating	RT~700°C 40Min	RT~1000°C 1Hr	RT~1300°C 3Hr
Time required for cooling (by forced cooling)	700°C~150°C 1.5Hr	1000°C~150°C 3Hr	
(by natural cooling)	" 4Hr	" 10Hr	1300°C~150°C 6Hr
Power requirements	1φ 200V 18KVA	φ 200V 24KVA	3φ 200V 34KVA
Heating method	External heating (2 zones, PID control master slave type)		

●Temperature distribution



●Heating and cooling pattern



[Optional specifications]

	VAC-I	VAC-II	VAC-III
Ultimate vacuum	1.33Pa (10 ⁻² Torr)	1.33×10 ⁻¹ Pa (10 ⁻³ Torr)	1.33×10 ⁻⁴ Pa (10 ⁻⁶ Torr)
Time required to create vacuum	4Min	5Min	40Min
Exhaust system diagram			