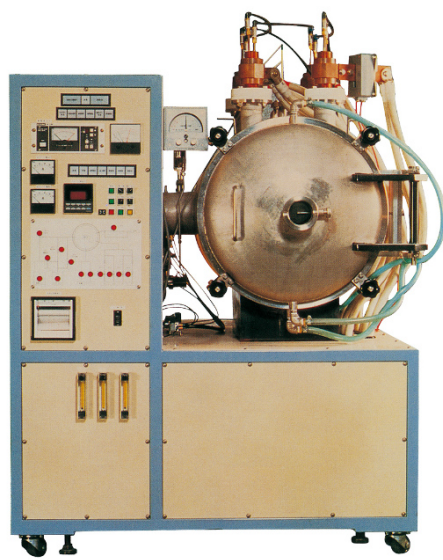


High-temperature atmosphere furnace (CVF)

The CVF Series consists of vacuum atmosphere heat treatment furnaces using graphite heaters, in which heating at up to 2200°C can be attained. This Series easily provides various atmosphere conditions and can be utilized for research and development as well as for production of new materials.



features

- Provides rapid heating and rapid cooling.
- Provides gas atmosphere easily, resulting in precise heat treatment.
- Assures uniform heating over a wide range.
- Is easy to operate because of automatic operation.
- Has a water-cooled jacket as a furnace shell, keeping the furnace walls cool and safe even during high-temperature operations.
- Is equipped with safety assuring functions (e.g. prevention of overheating, prevention of current overload)

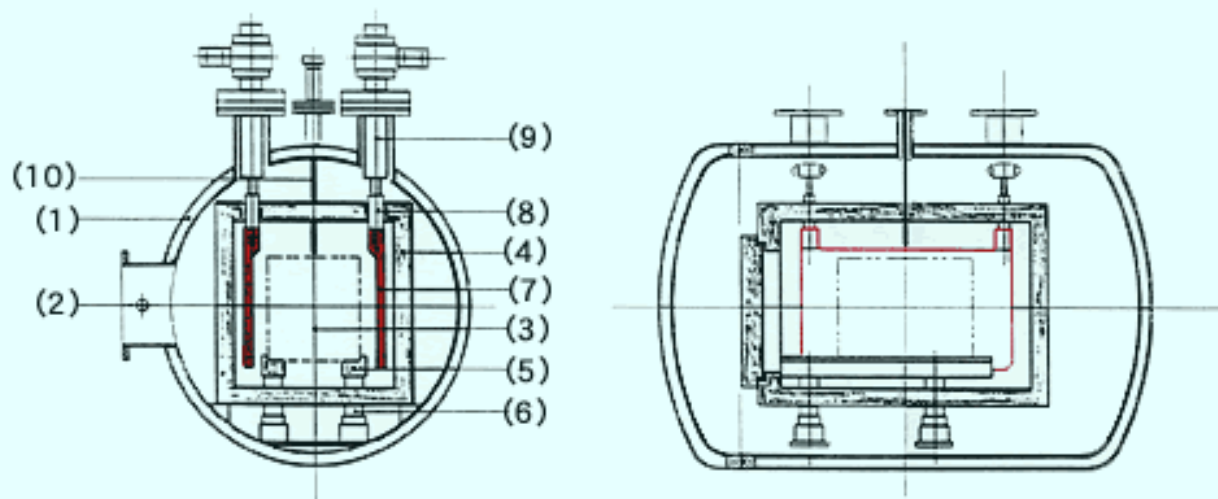
[Standard specifications]

Model	CVF-2030	CVF-3060	CVF-60900
Internal dimensions of furnace	200×200H×300D	300W×300H×600D	600W×600H×900D
Maximum temperature	2200°C		
Ultimate vacuum	1.33×10 ⁻² Pa(×10 ⁻⁴ Torr)		
Atmosphere	Vacuum, H ₂ , N ₂ , Ar		
Heater	Graphite		
Control method	P.I.D. SCR continuous control		
Power requirements	3φ 200V 40KVA	3φ 200V 70KVA	3φ 200V 220KVA
Quantity of cooling water	30L/min	60L/min	200L/min

※The above-stated specifications may change due to improvements etc.

※For special specifications, please contact us.

[Construction]



(1) Water-cooled jacket	(2) Vacuum exhaust outlet	(3) Hot zone
(4) Insulating material	(5) Hearth	(6) Supporting column
(7) Heater	(8) Insulating material	(9) Water-cooled electrode
(10) Thermocouple		