

V4 Vacuum Furnace

Published catalogue configuration | 26 September 2026

V4 furnace configuration data organized for engineering review and quotation preparation.

Use these published values for initial comparison. Final work zone, simultaneous temperature-pressure capability, atmosphere, utilities and acceptance limits are confirmed in the project specification.

Model specifications

Parameter	Published value
Device Model	V4MO10
Equipment type	Horizontal, integrated machine, side discharge
Equipment dimensions (mm)	2800(L)x2200(W)x2550(H)
Equipment weight (T)	About 2.2
Furnace chamber size (mm)	400(W)x400(H)x600(L)
heating element	Heating of alloy molybdenum strip
Total power of equipment (KW)	100
Heating power (KW)	80
Maximum temperature (C)	1000
Limit average temperature rise rate of an empty furnace (C/min)	10 (adjustable from 1 to 10C/min)
Temperature zone uniformity (C)	+/-5
Temperature sensor	N-type thermocouple
Vacuum unit (standard configuration)	Direct-coupled pump + diffusion pump
Ultimate vacuum degree (Pa)	7x10 ⁻³ (empty furnace, cold state, purified)
Vacuum pumping speed	Pump down to 10 Pa at atmospheric pressure <= 20 minutes
Pressure rise rate (Pa/h)	<=0.5
protective atmosphere	Ar or N2
Atmospheric pressure (MPa)	<=0.03 (gauge pressure, slightly positive pressure)

Official specification table

Catalogue row	Published values
1	No.: V4GR20 Model: VHSgr-40/40/60-2000 Chamber Size(mm□: 400*400*600 Ultimate Vacuum (Pa): 6.7x10-3 Operating Temperature(C): 2000 Applications: Sintering /Annealing/Degreasing
2	No.: V6GR20 Model: VHSgr-60/60/90-2000 Chamber Size(mm□: 600*600*900 Ultimate Vacuum (Pa): 6.7x10-3 Operating Temperature(C): 2000 Applications: Sintering /Annealing/Degreasing
3	No.: V7GR20 Model: VHSgr-70/70/100-2000 Chamber Size(mm□: 700*700*1000 Ultimate Vacuum (Pa): 6.7x10-3 Operating Temperature(C): 2000 Applications: Sintering /Annealing/Degreasing
4	No.: V8GR20 Model: VHSgr-80/80/120-2000 Chamber Size(mm□: 800*800*1200 Ultimate Vacuum (Pa): 6.7x10-3 Operating Temperature(C): 2000 Applications: Sintering /Annealing/Degreasing

Prepare a technical review

Send your material, desired result, sample/workpiece size, temperature, atmosphere, load or pressure, throughput, destination country and required standards.

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<https://www.haoyuefurnace.com/products/v-series-vacuum-furnace-graphite>

Catalogue provenance: <https://www.haoyue-group.com/product/v-series-vacuum-furnace-graphite>