

P5V Vacuum Hot-pressing Furnace(Graphite)

Published catalogue configuration | 26 September 2026

Hot Pressing process platform from the Haoyue legacy catalogue.

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
Tech specifications / Models	Diameter of metal indenter
P5V (Standard Edition)	300mm
P5V Plus (Standard Plus)	360mm
P5V Pro (high-end version)	300mm
P5V Pro Max (high-end enlarged version)	360mm

Technical specification

Catalogue row	Published values
1	Tech specifications / Models: Diameter of metal indenter P5V (Standard Edition): 300mm P5V Plus (Standard Plus): 360mm P5V Pro (high-end version): 300mm P5V Pro Max (high-end enlarged version): 360mm
2	Tech specifications / Models: Diameter of graphite indenter P5V (Standard Edition): 300mm P5V Plus (Standard Plus): 360mm P5V Pro (high-end version): 300mm P5V Pro Max (high-end enlarged version): 360mm
3	Tech specifications / Models: Maximum product diameter P5V (Standard Edition): $\leq\Phi300$ (raw material) P5V Plus (Standard Plus): $\leq\Phi360$ (raw material) P5V Pro (high-end version): $\leq\Phi300$ (raw material) P5V Pro Max (high-end enlarged version): $\leq\Phi360$ (raw material)
4	Tech specifications / Models: Product height range P5V (Standard Edition): $100\leq H\leq 300\text{mm}$ P5V Plus (Standard Plus): $100\leq H\leq 300\text{mm}$ P5V Pro (high-end version): $100\leq H\leq 300\text{mm}$ P5V Pro Max (high-end enlarged version): $100\leq H\leq 300\text{mm}$

Catalogue row	Published values
5	Tech specifications / Models: Maximum pressure P5V (Standard Edition): 300 tons P5V Plus (Standard Plus): 400 tons P5V Pro (high-end version): 300 tons P5V Pro Max (high-end enlarged version): 400 tons
6	Tech specifications / Models: Way of Pressure P5V (Standard Edition): Bidirectional pressurization P5V Plus (Standard Plus): Bidirectional pressurization P5V Pro (high-end version): Bidirectional pressurization P5V Pro Max (high-end enlarged version): Bidirectional pressurization
7	Tech specifications / Models: Stroke P5V (Standard Edition): 200mm+200mm P5V Plus (Standard Plus): 200mm+200mm P5V Pro (high-end version): 200mm+200mm P5V Pro Max (high-end enlarged version): 200mm+200mm
8	Tech specifications / Models: Pressure head opening height P5V (Standard Edition): 700mm P5V Plus (Standard Plus): 700mm P5V Pro (high-end version): 700mm P5V Pro Max (high-end enlarged version): 700mm
9	Tech specifications / Models: Outline dimensions of the mold sleeve P5V (Standard Edition): Φ500x500mm P5V Plus (Standard Plus): Φ520x500mm P5V Pro (high-end version): Φ500x500mm P5V Pro Max (high-end enlarged version): Φ520x500mm
10	Tech specifications / Models: Product dimensions (DWH) P5V (Standard Edition): P5V Plus (Standard Plus): P5V Pro (high-end version): P5V Pro Max (high-end enlarged version):

Technical specification 2

Catalogue row	Published values
1	No.: P5VGR22 Chamber Size (mm): φ500*H700 Sample Dia.(mm): ≤300 Pressure (KN): ≤ 3000 Stroke(mm): 400 Ultimate Vacuum(Pa): 5 Operation Temperature (°C): 2200 Max. Dia. of Mold (mm): ≤500

Catalogue row	Published values
2	No.: P5HGR22 Chamber Size (mm): $\varnothing$ 500*H500 Sample Dia.(mm): $\leq$ 300 Pressure (KN): $\leq$ 3000 Stroke(mm): 200 Ultimate Vacuum(Pa): 5.0×10^{-3} Operation Temperature (°C): 2200 Max. Dia. of Mold (mm): $\leq$ 5 00
3	No.: P7VGR22 Chamber Size (mm): $\varnothing$ 700*H900 Sample Dia.(mm): $\leq$ 420 Pressure (KN): $\leq$ 6000 Stroke(mm): 400 Ultimate Vacuum(Pa): 5 Operation Temperature (°C): 2200 Max. Dia. of Mold (mm): $\leq$ 70 0
4	No.: P7HGR22 Chamber Size (mm): $\varnothing$ 700*H600 Sample Dia.(mm): $\leq$ 420 Pressure (KN): $\leq$ 6000 Stroke(mm): 200 Ultimate Vacuum(Pa): 5.0×10^{-3} Operation Temperature (°C): 2200 Max. Dia. of Mold (mm): $\leq$ 70 0

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/p5v-vacuum-hot-pressing-furnace-graphite>

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