

TECHNICAL DATA SHEET

Levon™ HP200-SA Nitrogen-Filled Programmable Hotplate

Nitrogen input 0.04–0.4 MPa · RT to 300°C · ±0.2°C accuracy · linear control · vacuum adsorption



Representative illustration. HP200-SA dimensions: 450 × 620 × 320 mm (W × D × H). Appearance may vary by configuration.

The Levon™ HP200-SA Nitrogen-Filled Programmable Hotplate is a programmable hot plate with nitrogen input, a 7-inch touchscreen, linear temperature control, vacuum adsorption and automatic lift. Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ HP200-SA Nitrogen-Filled Programmable Hotplate is a programmable hot plate with nitrogen input (0.04–0.4 MPa), a 7-inch full-color touchscreen with PLC control, linear temperature control and vacuum adsorption, controlling temperature from RT to 300°C with $\pm 0.2^\circ\text{C}$ accuracy and 0.1°C resolution.

Temperature uniformity is $\leq \pm 1\%$ from RT to 200°C and $\leq \pm 1.5\%$ from 200°C to 300°C. The maximum set time is 100,000 s with 0.1 s time resolution, and the lift pin adjustment distance is 0 to 30 mm for proximity baking. The HP200-SA has a hard-anodized aluminum anti-corrosion heating plate, adjustable operating height with an embedded installation design, and additional customization functions such as ventilation and nitrogen charging. It measures 450 × 620 × 320 mm (W × D × H).

SECTION II

Core Advantages

- **Hard-anodized heating plate** Hard-anodized aluminum anti-corrosion heating plate.
- **7-inch touchscreen with PLC** 7-inch full-color touchscreen operation with PLC control.
- **Embedded installation** Adjustable operating height with an embedded installation design.
- **Automatic lift for proximity baking** Automatic lift function for proximity baking mode; lift pin adjustment distance 0 to 30 mm.
- **Linear control and vacuum** Linear temperature control and vacuum adsorption function.
- **Ventilation and nitrogen** Additional customization functions such as ventilation and nitrogen charging; nitrogen input requirement 0.04–0.4 MPa.

SECTION III

Specifications

Technical data — HP200-SA

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ HP200-SA Nitrogen-Filled Programmable Hotplate
Model	HP200-SA
SKU #	LVH2SA00
Product type	Nitrogen-filled programmable hotplate
Temperature control range	RT to 300°C
Temperature resolution	0.1°C
Temperature control accuracy	$\pm 0.2^\circ\text{C}$
Temperature uniformity	RT to 200°C: $\leq \pm 1\%$; 200°C to 300°C: $\leq \pm 1.5\%$
Maximum set time	100,000 s
Time resolution	0.1 s
Lift pin adjustment distance	0–30 mm
Nitrogen input requirement	0.04–0.4 MPa
Control	7-inch full-color touchscreen, PLC control
Heating plate material	Hard-anodized aluminum, anti-corrosion
Temperature control mode	Linear temperature control; vacuum adsorption function
Lift function	Automatic lift function for proximity baking mode
Installation	Adjustable operating height with embedded installation design
Customization	Additional customization functions, such as ventilation and nitrogen charging
Dimensions [W × D × H]	450 × 620 × 320 mm
Packing	Paper case
Quality assurance	1-year product quality assurance

Scope of delivery

- **Standard configuration:** one HP200-SA main unit, packed in a paper case.
- **Gas and vacuum supply** — nitrogen (0.04–0.4 MPa) and vacuum provided by the user.

SECTION IV

Applications

For programmable baking under nitrogen from RT to 300°C in a 450 × 620 × 320 mm benchtop unit, with linear temperature control, vacuum adsorption and automatic lift. The HP200-SA is designed for benchtop laboratory use.

Product value: nitrogen-filled, touchscreen-programmed baking to 300°C with linear temperature control, vacuum adsorption and automatic-lift proximity mode.

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