

TECHNICAL DATA SHEET

Levon[™] PF200-H Heated Film Applicator

1–50 mm/s · 250 mm stroke · 380 × 210 mm vacuum panel (A4) · RT to 200°C · 4.3-inch touchscreen



Levon[™] PF200-H Heated Film Applicator — Representative Configuration

The Levon[™] PF200-H Heated Film Applicator is a benchtop film applicator with a heated vacuum panel and a touchscreen HMI control system. Image shown for reference; the supplied configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ PF200-H Heated Film Applicator is a benchtop film applicator with a heated vacuum panel (RT to 200°C), a coating speed of 1–50 mm/s and a 250 mm stroke length. Its 380 × 210 mm hard-anodized aluminum, mirror-polished panel has an A4 vacuum adsorption area.

The PF200-H is operated from a 4.3-inch full-color touchscreen HMI control system that stores 100 recipes, 5 steps per recipe. The heating rate is controllable from 1 to 10°C/min, with a thermal uniformity of $\leq \pm 1.5\%$. The PF200-H can be equipped with an adjustable film scraper, a four-sided coater and a wire rod. The air knife configuration shown has an adjustable air knife angle of -45° to 45° and a height adjustment range of 10–35 mm above the substrate. The supplied configuration is confirmed in the quotation. Power input is AC 200–240 V, single-phase, 50 Hz, 2.0 kW; the vacuum input requirement is 0.06–0.09 MPa with a vacuum flow rate of more than 15 L/min. The unit measures 449.5 × 258 × 248.5 mm (W × D × H).

SECTION II

Core Advantages

- **4.3-inch touchscreen** 4.3-inch full-color touchscreen HMI control system with 100 recipes, 5 steps per recipe.
- **Heated panel** RT to 200°C, controllable heating rate of 1–10°C/min and thermal uniformity of $\leq \pm 1.5\%$.
- **Coating tools** Can be equipped with an adjustable film scraper, a four-sided coater and a wire rod.
- **Vacuum adsorption panel** 380 × 210 mm hard-anodized aluminum, mirror-polished panel with vacuum adsorption and an A4 adsorption area.
- **Coating speed** Coating speed of 1–50 mm/s with a speed regulation accuracy of 1 mm/s.
- **Adjustable air knife** Air knife configuration: angle adjustable between -45° and 45° , height above the substrate 10–35 mm.

SECTION III

Specifications

Technical data — PF200-H

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ PF200-H Heated Film Applicator
Model	PF200-H
SKU #	LVPF2H00
Product type	Heated film applicator
Control system	4.3-inch full-color touchscreen HMI
Coating speed	1–50 mm/s
Speed regulation accuracy	1 mm/s
Stroke length	250 mm
Vacuum panel size	380 × 210 mm
Vacuum panel	Hard-anodized aluminum, mirror-polished, with vacuum adsorption
Vacuum adsorption area	A4
Heating temperature	RT to 200°C
Controllable heating rate	1–10°C/min
Thermal uniformity	$\leq \pm 1.5\%$
Program settings	100 recipes, 5 steps per recipe
Coating tools	Can be equipped with an adjustable film scraper, a four-sided coater and a wire rod
Power input	AC 200–240 V, single-phase, 50 Hz, 2.0 kW
Vacuum input requirement	0.06–0.09 MPa; vacuum flow rate >15 L/min
Vacuum interface	Rear-panel outlet, 6 mm outer diameter

Technical data — PF200-H (continued)

Specifications	
Parameter	Specification
Dimensions [W × D × H]	449.5 × 258 × 248.5 mm
Packing	Carton packaging
Warranty	1-year product warranty

Air knife configuration — PF200-H

Air knife configuration	
Parameter	Specification
Air knife angle adjustment	-45° to 45°
Air knife height adjustment	10–35 mm vertical adjustment range above the substrate

Air knife modules — FPT80-2 / FPT100-2 / FPT150-2 / FPT200-2

Air knife modules				
Parameter	FPT80-2	FPT100-2	FPT150-2	FPT200-2
Air knife length	80 mm	100 mm	150 mm	200 mm
Air outlet length	60 mm	80 mm	130 mm	180 mm
Air outlet clearance	0.05 mm	0.05 mm	0.05 mm	0.05 mm
Number of air inlets	1	1	2	2
Air inlet pipe diameter	6 mm	6 mm	6 mm	6 mm
Suitable coating equipment	PF200-H			

Scope of delivery

- **Main unit:** One PF200-H main unit; carton packaging.
- **Configuration and accessories** — The configuration and the supply of coating tools and air knife modules are confirmed in the quotation.

SECTION IV

Applications

For laboratory film coating with an adjustable film scraper, a four-sided coater or a wire rod on a heated vacuum panel with an A4 vacuum adsorption area, at coating speeds of 1–50 mm/s over a 250 mm stroke. For a 540 × 345 mm vacuum panel, coating speeds of 1–300 mm/s and a 420 mm maximum stroke length, see the PF400 (PF400 and heated PF400-H).

Product value: heated vacuum-panel film coating from RT to 200°C at 1–50 mm/s over a 250 mm stroke, with an air knife configuration for adjustable air knife angle and height.

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