

TECHNICAL DATA SHEET

Levon™ PF400 Film Applicator

1–300 mm/s · 420 mm maximum stroke · 540 × 345 mm vacuum panel (A4/A3) · PF400-H heated panel RT to 200°C



Levon™ PF400 Film Applicator — Representative Configuration

The Levon™ PF400 Film Applicator is a benchtop film applicator with a vacuum panel and a 7-inch touchscreen, offered in two configurations. Image shown for reference (PF400); final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ PF400 Film Applicator is a benchtop film applicator with a coating speed of 1–300 mm/s, a 420 mm maximum stroke length and a 540 × 345 mm vacuum panel with an A4/A3 adsorption area (optional). It is offered as the PF400 and as the PF400-H with a heated panel (RT to 200°C).

Both configurations have a 7-inch full-color touchscreen, a speed regulation accuracy of 1 mm/s, a hard-anodized vacuum panel with a flat surface, and a vacuum input requirement of 0.06–0.09 MPa at a rear-panel outlet with a 6 mm outer diameter. They are equipped for adjustable film scraper or standard wire rod operation. The PF400 has PLC control and a power rating of 0.4 kW; the PF400-H has a power rating of 2.75 kW and a heated panel with linear heating-rate adjustment, ±0.5°C temperature control accuracy and ≤±4% thermal uniformity.

SECTION II

Core Advantages

- **7-inch touchscreen** 7-inch full-color touchscreen control on both configurations.
- **1–300 mm/s coating speed** Speed regulation accuracy of 1 mm/s over a maximum stroke length of 420 mm.
- **Heated panel (PF400-H)** RT to 200°C, ±0.5°C temperature control accuracy, ≤±4% thermal uniformity and linear heating-rate adjustment.
- **540 × 345 mm vacuum panel** Hard-anodized vacuum panel with a flat surface; A4/A3 adsorption area, optional.
- **Coating tools** Adjustable film scraper or standard wire rod operation.
- **Air knife modules** FPT150-4 to FPT320-4 air knife modules with knife lengths of 150 to 320 mm.

SECTION III

Specifications

Technical data — PF400

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ PF400 Film Applicator
Models	PF400 / PF400-H
SKU #	LVPF40BA (PF400) / LVPF40HT (PF400-H)
Product type	Film applicator
Display	7-inch full-color touchscreen
Coating speed	1–300 mm/s
Speed regulation accuracy	1 mm/s
Maximum stroke length	420 mm
Vacuum panel size	540 × 345 mm
Vacuum panel	Hard-anodized, flat surface, with vacuum adsorption
Vacuum adsorption region	A4/A3 areas, optional
Coating tools	Adjustable film scraper or standard wire rod operation
Vacuum input requirement	0.06–0.09 MPa
Vacuum interface	Rear-panel outlet, 6 mm outer diameter

Configurations — PF400 / PF400-H

Configurations		
Parameter	PF400	PF400-H
SKU #	LVPF40BA	LVPF40HT
Power	0.4 kW	2.75 kW
Dimensions [W × D × H]	627 × 531.5 × 342 mm	630 × 550 × 324 mm
Packing	Paper case	Carton packaging
Warranty / quality assurance	1-year product quality assurance	1-year product warranty

PF400 — SKU LVPF40BA (additional specifications)

PF400	
Parameter	Specification
Control system	PLC control

PF400-H — SKU LVPF40HT (additional specifications)

PF400-H	
Parameter	Specification
Heating temperature	RT to 200°C
Temperature control accuracy	±0.5°C
Thermal uniformity	±4%
Heating-rate control	Linear heating-rate adjustment
Weight	37 kg

Air knife modules — FPT150-4 / FPT200-4 / FPT270-4 / FPT320-4

Air knife modules				
Parameter	FPT150-4	FPT200-4	FPT270-4	FPT320-4
Air knife length	150 mm	200 mm	270 mm	320 mm
Air outlet length	130 mm	180 mm	250 mm	300 mm
Air outlet clearance	0.05 mm	0.05 mm	0.05 mm	0.05 mm
Number of air inlets	2	2	2	2
Air inlet pipe diameter	6 mm	6 mm	6 mm	6 mm
Suitable coating equipment	PF400, PF400-H			

Scope of delivery

- **Standard configuration:** one PF400 main unit (PF400 or PF400-H, as ordered); PF400 packed in a paper case, PF400-H in carton packaging.
- **Configuration** — PF400 = SKU LVPF40BA; PF400-H = SKU LVPF40HT. The film scraper, wire rod and air knife modules (FPT150-4 to FPT320-4) supplied are confirmed on the quotation.

SECTION IV**Applications**

For laboratory film coating with an adjustable film scraper or a standard wire rod on a 540 × 345 mm vacuum panel (A4/A3 adsorption area, optional), at coating speeds of 1–300 mm/s over a stroke of up to 420 mm. Choose the PF400 (LVPF40BA), or the PF400-H (LVPF40HT) for a heated panel from RT to 200°C. For a 380 × 210 mm heated vacuum panel and a 4.3-inch touchscreen, see the PF200-H.

Product value: film coating at 1–300 mm/s over a stroke of up to 420 mm on a 540 × 345 mm vacuum panel, with a heated panel from RT to 200°C on the PF400-H.

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