

TECHNICAL DATA SHEET

Levon™ PT13M RF Plasma Cleaner (13.56 MHz)

13.56 MHz RF • automatic matching • 6.4 L chamber • < 10 Pa • PT13M-GE / -BE / -SE



Levon™ PT13M RF Plasma Cleaner (13.56 MHz) — Representative Configuration

The Levon™ PT13M RF Plasma Cleaner (13.56 MHz) is an RF plasma cleaner with an automatic matcher and an aluminum alloy chamber, offered in three gas-control configurations. Image shown for reference (PT13M-GE); final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ PT13M RF Plasma Cleaner (13.56 MHz) is an RF plasma cleaner with a 13.56 MHz RF power supply, automatic matching and a 6.4 L aluminum alloy chamber (226 × 126 × 224 mm). It is offered as the PT13M-GE (dual MFC), the PT13M-BE (single float flowmeter) and the PT13M-SE (dual float flowmeters).

All PT13M configurations use low-temperature plasma and have a vacuum level of < 10 Pa, one-click control and dimensions of 620 × 550 × 410 mm (W × D × H). The PT13M-GE and PT13M-SE have 0–300 W RF power, a 6,000 s time setting, a specified vacuum-pump pumping speed of 8 m³/h and a 30 s gas stabilization time. The PT13M-BE has 0–200 W RF power (maximum 300 W), a 999 s time setting, a specified vacuum-pump pumping speed of 4 m³/h and a 40 s gas stabilization time.

SECTION II

Core Advantages

- **13.56 MHz RF with automatic matching** RF power supply at 13.56 MHz with an automatic matcher.
- **One-click control** One-click control for substrates under 8 inches.
- **Three gas-control options** Dual MFC (PT13M-GE), single float flowmeter (PT13M-BE) or dual float flowmeters (PT13M-SE).
- **Low-temperature plasma** Low-temperature plasma for surface treatment.
- **Complex shapes** Can process materials with complex shapes.
- **6.4 L chamber** Aluminum alloy chamber measuring 226 × 126 × 224 mm.

SECTION III

Specifications

Technical data — PT13M

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ PT13M RF Plasma Cleaner (13.56 MHz)
Models	PT13M-GE / PT13M-BE / PT13M-SE
SKU #	LVPT13GE (PT13M-GE) / LVPT13BE (PT13M-BE) / LVPT13SE (PT13M-SE)
Product type	RF plasma cleaner
RF frequency	13.56 MHz
Matching	Automatic matching
Chamber size	226 × 126 × 224 mm
Chamber material	Aluminum alloy
Chamber volume	6.4 L
Vacuum level	< 10 Pa
Applicable substrates	Under 8 inches
Operation	One-click control
Dimensions [W × D × H]	620 × 550 × 410 mm
Packing	Carton packaging
Warranty	1-year product warranty

Configurations — PT13M-GE / PT13M-BE / PT13M-SE

Configurations			
Parameter	PT13M-GE	PT13M-BE	PT13M-SE
SKU #	LVPT13GE	LVPT13BE	LVPT13SE
RF power	0–300 W	0–200 W (maximum 300 W)	0–300 W
Gas control	Dual MFC	Single float flowmeter	Dual float flowmeters
Time setting	6,000 s	999 s	6,000 s
Vacuum pump	Pumping speed 8 m ³ /h	Pumping speed 4 m ³ /h	Pumping speed 8 m ³ /h
Gas stabilization time	30 s	40 s	30 s

Scope of delivery

- **Standard configuration:** one PT13M main unit (PT13M-GE, PT13M-BE or PT13M-SE, as ordered), carton packaging.
- **Configuration** — PT13M-GE = SKU LVPT13GE; PT13M-BE = SKU LVPT13BE; PT13M-SE = SKU LVPT13SE. Vacuum pump supply, electrical input requirements and process gas requirements are confirmed in the quotation.

SECTION IV

Applications

For low-temperature RF plasma surface treatment of substrates under 8 inches and of parts with complex shapes in a 6.4 L chamber. The PT13M is suitable for laboratory environments such as research institutes.

Product value: 13.56 MHz low-temperature RF plasma with automatic matching in three gas-control configurations: dual MFC (GE), single float flowmeter (BE) and dual float flowmeters (SE).

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