

Liquid Vaporizer Unit

VU-430

Vaporization system for LPCVD and APCVD

RoHS



Features:

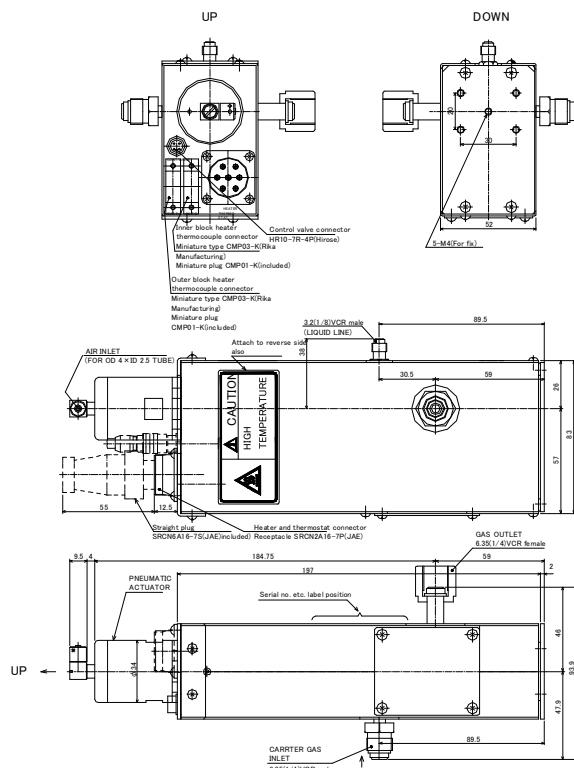
- Precise flow rate control and efficient vaporization of a wide variety of liquids when used in combination with the LM-2100A liquid mass flow meter (US PAT. 5372754).
- Applicable not only to vacuum but also atmospheric processes.
- Maximum operating temperature of 200°C.
- Compact body size (compatible with VU-410/420).
- Wide range of carrier gas flow rates (50SCCM-4SLM).



Liquid Vaporizer Unit **VU-430**

SPECIFICATIONS Model VU-430

Item	Model, Classification	Specifications
Carrier gas flow rate	VU-430-01	0.05-1.0 SLM
	VU-430-02	1-2 SLM
	VU-430-03	2-4 SLM
Control valve		Normally closed, diaphragm, solenoid actuator
Shut-off valve		Normally closed, pneumatic actuator
Maximum operating temperature		200°C
Operating pressure	Inlet (gauge)	150-300 kPa G
	Outlet (abs.)	<150 kPa
Withstand pressure (gauge)		1 Mpa G
Leak integrity	He	1×10^{-11} Pa·m ³ /sec
Standard fittings	Precursor inlet	3.2 mm VCR male
	Carrier gas inlet	6.35 mm VCR male
	Vapor outlet	6.35 mm VCR female
Maximum power consumption	L1	Inner block: 120VAC 80W Outer block: 120VAC 100W
	L2	Inner block: 240VAC 225W Outer block: 240VAC 400W
Thermocouple		K type, 2 pcs
Thermal switch (overheating alarm)		Open at 230°C +/- 10°C 125V/15A, 250V/10A
Wetted materials		SS316L, Au, Ni-Co & polyimide
Mounting direction		Vertical
Standard accessories	Cable from LMFM	CC-LV-3-3M
	Thermocouple connector	CMP01-K (RKC)
	Heater connector	SRCN6A16-7S (JAE)



ORDERING INFORMATION

VU-430-AA-BB-CC

AA: Carrier gas flow rate

* 01: 0.05-1.0 SLM

* 02: 1-2 SLM

* 03: 2-4 SLM

BB: Type of heater

* L1: Maximum power consumption 480W

* L2: Maximum power consumption 625W

CC: Type of thermal switch

* T230: Open at 230°C +/- 10°C

* This datasheet was created from the contents as of Oct 2008.

* Specifications/descriptions may be modified without notice due to improvement.

* Before shipping to a third country, consult LINTEC.



WARNING!! Read and understand completely the Operation Manual to secure your safety.

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