

Vaporizer Unit

VU-D450/T450

Premix Vaporization Technology

RoHS

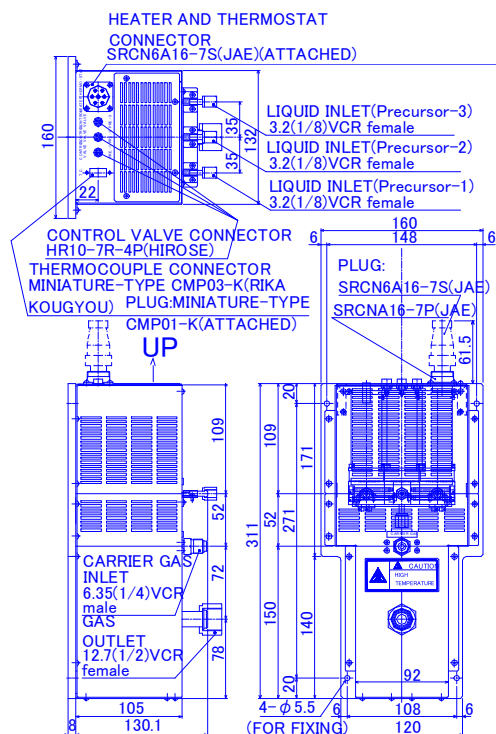


Features:

- Premix vaporization technology (patent pending).
- Precise flow rate control and premixing of up to 3 precursors using LM-2100A liquid mass flow meters.
- Simultaneous vaporization in one vaporizer chamber.
- Space savings and lower cost of ownership.
- Atmospheric and vacuum process capabilities.
- Wide carrier gas flow range (800SCCM-130SLM).
- Maximum operating temperature of 200°C.



Model VU-D450/T450		
Item	Model, Classification	Specifications
Control valves	VU-D450	2 x normally closed diaphragm valve with solenoid actuator
	VU-T450	3 x normally closed diaphragm valve with solenoid actuator
Carrier gas flow rate	VU-D450/T450-01	0.8-1.5 SLM
	VU-D450/T450-02	1.5-3S LM
	VU-D450/T450-03	3-6 SLM
	VU-D450/T450-04	6-10 SLM
	VU-D450/T450-05	10-14 SLM
	VU-D450/T450-06	14-20 SLM
	VU-D450/T450-07	20-40 SLM
	VU-D450/T450-08	40-80 SLM
	VU-D450/T450-09	80-130 SLM
Standard fittings	Liquid inlets	3.2 mm VCR female
	Carrier gas inlet	6.35 mm VCR male
	Vapor outlet	12.7 mm VCR female
Maximum operating temperature		200°C
Maximum power consumption	VU-D450/T450-L1	120V 800W
	VU-D450/T450-L2	240V 800W
Thermocouple		K type
Thermostat		Open at 230°C +/- 10°C
Wetted materials		SUS316L, Au, Ni-Co & polyimide
Mounting direction		Vertical
Standard accessories	Cable from LFM	CC-LV-3-3M
	Thermocouple connector	CMP01-K (RKC)
	Heater/Thermostat connector	SRCN6A16-7S (JAE)



ORDERING INFORMATION

VU-D450/T450-AA-BB

AA: Carrier gas flow rate

- * 01: 0.8-1.5 SLM
- * 02: 1.5-3 SLM
- * 03: 3-6 SLM
- * 04: 6-10 SLM
- * 05: 10-14 SLM
- * 06: 14-20 SLM
- * 07: 20-40 SLM
- * 08: 40-80 SLM
- * 09: 80-130 SLM

BB: Type of heater

- * L1: 120V 800W
- * L2: 240V 800W

- * This datasheet was created from the contents as of Sep.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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