



VU-D50/T50

Premix Vaporization Technology for BPSG Applications

Features :

- Premix vaporization technology (patent pending).
- Precise flow rate control and premixing of up to 3 precursors using the LM-2100A liquid mass flow meters.
- Simultaneous vaporization in one vaporization chamber.
- Space savings and lower cost of ownership.
- Atmospheric and vacuum process capabilities.
- Wide carrier gas flow range (800sccm – 130slm).
- Total optimization for the BPSG processes.



VU-T50 model

Features	Model / Details	Specifications
Control valves	VU-D50	2 x Diaphragm solenoid valve, normally closed
	VU-T50	3 x Diaphragm solenoid valve, normally closed
Carrier gas flow rate	9 Ranges	0.8 – 130 slm
Operating pressure	Inlet (gauge)	150 – 300 KPa G
	Outlet (abs.)	< 150 KPa
Withstand pressure	(gauge)	1 MPa G
Leak integrity	He	1.10 ⁻¹⁰ scc/sec
Maximum operating temperature		Room temperature to 180°C
Thermostat	Open	@200°C ± 10°C
	Closed	@60°C ± 10°C
Temperature regulation method		P.W.M. P.I.D. control, < 1 second per cycle
Maximum power consumption	Option L1	120V – 400W
	Option L2	240V – 800W
Thermocouple		K type
Standard fittings	Liquid inlets	1/8" VCR female
	Carrier gas inlet	1/4" VCR male
	Vapor outlet	1/2" VCR female
Wetted materials		SS316L, Au, Ni-Co, Polyimide
Mounting direction		Vertical @ ± 2.5°C
Standard accessories	Cable for liquid flow meter	CC-LV-3-3M
	Thermocouple connector	CMP01-K (RKC)
	Heater connector	SRCN6A16-7S (JAE)

- Please inform Qualiflow of the type and chemical property of the liquids you intend to use.
- If you can provide a particular liquid for Qualiflow, a flow rate calibration can be carried out for a fee.
- Some liquids might not be accepted to handle by Qualiflow.
- For information not included in this datasheet, please contact Qualiflow sales representative.

Dimensions

