

LIQUID | Products For Liquid Applications

Compact Liquid Vaporizer with Solenoid Actuator VU-430A Series

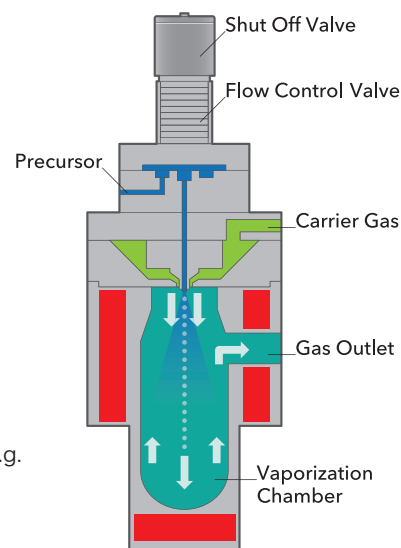


■ Outlines

- VU-430A Series: Solenoid actuator equipped compact vaporizer unit
- Efficient liquid vaporization control when used in combination with LM-3000L Series

■ Features

- High precision liquid vaporization control using solenoid actuator
- Compact design
- With maximum operating temperature up to 200°C, this apparatus is most suitable for low flow rate vaporization of precursors with low vapor pressure, e.g. low-k, high-k materials and various metals
- Rapid vaporization by spraying liquid through double orifice nozzle into vaporization chamber
- Long-term leak tightness ensured using metal seal



RoHS

Model		VU-0430N
Maximum vaporization rate	TEOS	10g/min
	H ₂ O	1.0g/min
Flow rate control range		10 ~ 100% F.S.
Carrier gas flow rate	VU-0430N-03	0.05-1.0SLM
	VU-0430N-02	1-2SLM
	VU-0430N-01	2-4SLM
Operating differential pressure		50 ~ 300kPa
Withstand puressure		1MPa(G)
Valve operation mode		Normally closed
Maximum power consumption	VU-0430N-L1	120V, 180W
	VU-0430N-L2	240V, 625W
Thermocouple		K Type 2pcs
Recommended temperature control method		PID
Maximum operating temperature		200°C
Thermal switch		230°C ±10°C Open
Leak integrity		1 × 10 ⁻¹¹ Pa · m ³ / sec He
Wetted materials		SUS316L, Ni-Co, Polyimide
Seal materials		Au
Control valve actuator		Solenoid actuator
Operating pressure of the pneumatic actuator (NC type)		500 ~ 600kPa(G)
Mounting position		Vertically upward direction for actuator
Weight		2.2kg