

High Efficiency Liquid Vaporizer

VU-440 Series



■ Outlines

- VU-440 Series: Vaporizer unit with Solenoid actuator
- Efficient liquid vaporization control when used with LM-3000L Series

■ Features

- High precision liquid vaporization system control with solenoid actuator
- This apparatus is most suitable for high 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
- Longer distance from the nozzle to the vapor outlet prevents any unvaporized mist from going into process chamber

RoHS

Model	VU-0440N	
Maximum vaporization rate	TEOS	30g/min
	H ₂ O	5g/min
Flow rate control range	10 ~ 100% F.S.	
Carrier gas flow rate	01	0.8-1.5SLM
	02	1.5-3SLM
	03	3-6SLM
	04	6-10SLM
	05	10-14SLM
	06	14-20SLM
	07	20-40SLM
	08	40-80SLM
	09	80-130SLM
Operating differential pressure	50 ~ 300kPa	
Withstand pressure	1MPa(G)	
Valve operation mode (for a valve-equipped model)	Normally closed	
Maximum power consumption	240V, 960W	
Themocouple	K Type 1pc	
Recommended temperature control method	PID	
Maximum operating temperature	200°C	
Thermal switch	230°C ±10°C Open	
Leak integrity	5×10 ⁻⁶ Pa · m ³ / sec He	
Wetted materials	SUS316L, Ni-Co, Polyimide	
Seal materials	Au, Karlez [®]	
Mounting position	Vertically upward for actuator	
Weight	9kg	