

# LIQUID | Products For Liquid Applications

Products For  
Liquid Applications

LIQUID VAPORIZER UNIT

## Non-Carrier Gas Vaporizer VU-3000 Series

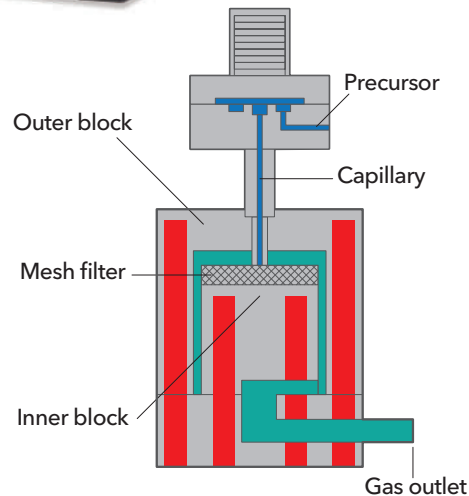


### ■ Outlines

- VU-3000 Series: Vaporizing multi-precursor without carrier gas
- Efficient liquid vaporization control when used with LM 3000L Series

### ■ Features

- High precision liquid vaporization system control with solenoid actuator
- Has maximum operating temperature of 200°C, compact design and is suitable for many precursor types
- Upon entering the vaporizer the liquid is diffused via a mesh filter, which further enhances vaporization efficiency
- Long-term leak tightness ensured using metal seal



### RoHS

Model		VU-3100N	VU-3000
Maximum vaporization rate	H <sub>2</sub> O	-	5g/min
	TEOS	5g/min	-
Flow rate control range		10-100% F.S.	
Operating differential pressure		50 ~ 300kPa	250 ~ 300kPa
Withstand pressure		1MPa(G)	
Valve operation mode		Normally open	Normally closed
Maximum power consumption	120V	150W	Inner: 625W Outer: 417W
	240V	150W	Inner: 900W Outer: 600W
Thermocouple		K Type 1pcs	K Type 2pcs
Recommended temperature control method		PID	
Maximum operating temperature		150°C	200°C
Thermal switch		180°C ±10°C Open	270°C ±10°C Open
Leak integrity		5×10 <sup>-10</sup> Pa · m <sup>3</sup> / sec He	5×10 <sup>-6</sup> Pa · m <sup>3</sup> / sec He
Wetted materials		SUS316L, PEEK®, Ni-Co, PTFE, Au	SUS316L, Karlez®, Polyimide, Au
Mounting position		Upward for connector and horizontal for piping	Vertically upward for actuator and horizontal for piping
Weight		600g	5kg