

## Light-contact Vaporizer VU-900 Series



Products For  
Liquid Applications

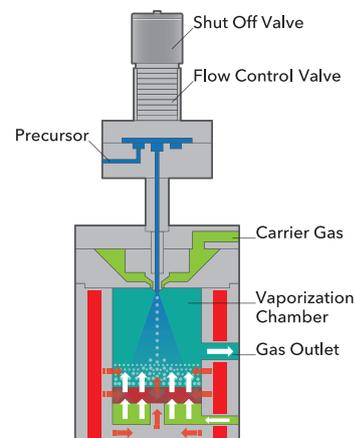
LIQUID VAPORIZER UNIT

### ■ Outlines

- VU-900 Series: Vaporizer providing stable vaporization of liquid source by preventing heat deterioration through reducing possibility of direct contact of liquid with vaporization chamber
- Efficient liquid vaporization control when used in combination with LM-3000L Series

### ■ Features

- High precision liquid vaporization system control using solenoid actuator
- Most suitable for thermally unstable materials such as low-k, high-k, and various metals
- Rapid vaporization of the liquid sprayed upon the use of double orifice nozzle within vaporization chamber by radiant heating
- Long-term leak tightness ensured using metal seal



### RoHS

Model		VU-0920N	VU-0912N	VU-0914N
Maximum vaporation rate	H <sub>2</sub> O	5g/min	7g/min	30g/min
Flow rate control range			10-100% F.S.	
Operating differential pressure			50 ~ 300kPa	
Withstand pressure			1MPa(G)	
Valve operation mode		Normally closed	-	
Maximum power consumption	120V	800W	-	
	240V	800W	2400W	8400W
Thermocouple		K Type 1pc		K Type 2pcs
Recommended temperature control method		PID		
Maximum operating temperature		300°C	200°C	
Thermal switch		350°C ±9°C Open	230°C ±10°C Open	
Leak integrity		1×10 <sup>-11</sup> Pa · m <sup>3</sup> / sec He		
Wetted materials		SUS316L, Ni-Co, polyimide	SUS316L	SUS316L, PFA
Seal materials		Au	Au, Karlez®	Karlez®
Control valve actuator		Solenoid actuator		
Mounting position		Vertically upward direction of the actuator	Horizontally downward direction of the connector	
Weight		5kg	7kg	20kg