

LIQUID | Products For Liquid Applications

Products For
Liquid Applications

Vaporizer with Selectable Actuator Type

VU-462 Series



LIQUID VAPORIZER UNIT

■ Outlines

- VU-462 Series: Vaporizer with solenoid or piezoelectric selectable actuator type. Valveless version is also available.
- Efficient liquid vaporization control when used with LM 3000L Series

■ Features

- Actuator type selection allows users to build a customized vaporization supply system optimized for a specific application
- This apparatus has a larger vaporizing capacity than VU-450 and 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-0462N-T23		VU-0462N-T35
Maximum vaporization rate	TEOS	50g/min	
	H ₂ O	15g/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, 2400W		
Thermocouple	K Type 1pc		
Recommended temperature control method	PID		
Maximum operating temperature	200°C		300°C
Thermal switch	230°C ±10°C Open		350°C ±9°C Open
Leak integrity	5×10 ⁻⁶ Pa · m ³ / sec He		5×10 ⁻¹⁰ Pa · m ³ / sec He
Wetted materials	SUS316L, Ni-Co, Polyimide		
Seal materials	Au, Karlez®		Au
Mounting position	Vertically upward for actuator		
Weight	9kg		