

LIQUID | Products For Liquid Applications

Products For
Liquid Applications

Solenoid Actuator Liquid Vaporizer VU-450 Series

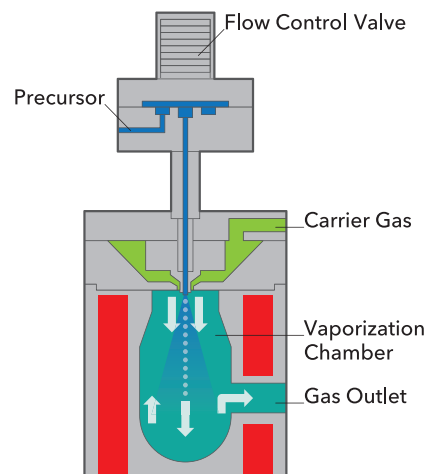


■ Outlines

- VU-450 Series: Solenoid actuator equipped vaporizer unit
- Efficient liquid vaporization control when used in combination with LM-3000L Series

■ Features

- High precision liquid vaporization system control using solenoid actuator
- Vaporizing the multiple liquid materials concurrently when use in combination with liquid mass flow meters
- This apparatus is most suitable for the use of liquid with low vapor pressure and low flow rate, such as low-k, high-k materials, 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-0450N | VU-0550N |
|--|------------------|--|-----------------|
| Maximum vaporation rate | TEOS | | 20g/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 | | Normally closed | |
| Maximum power consumption | L1 | 120V, 800W | |
| | L2 | 240V, 800W | |
| Themocouple | | 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 | | 1 × 10 ⁻¹¹ Pa · m ³ / sec He | |
| Wetted materials | | SUS316L, Ni-Co, Polyimide | |
| Seal materials | | Au | |
| Control valve actuator | | Solenoid actuator | |
| Mounting position | | Vertically upward direction of the actuator | |
| Weight | | 6kg | |