

# Vaporizer AS401 Series

## Product Overview



- Special stabilized tank pressure makes a stable flow control of the source MFCs
- Stable SiCl<sub>4</sub> flow at up to total 400g/m.
- Compact, small footprint.
- The temperature for the tank, chamber and outline of the MFC in this box are controlled by the temperature controller.
- MFC set-point and solenoid valve to control pneumatic valves are driven from the external signal.
- No fan in the chamber

## 【Specification】

### • Interlock function

Charge interlock not to over-charge when H level

### • Pressure stabilizer

Liquid level in the tank is stabilized by the liquid control valve. It is effective to reduce the instability when

### • Temp. control

Tank and chamber temp. is controlled by the temp. Controller in the PCBA box.

### • AV control

9 ea of the AV are controlled by the 24V signal from the process tool.

### • MFC (example)

FC-782HT-6V

SiCl<sub>4</sub> 15SLM FS x2

FC-780HT-4V

SiCl<sub>4</sub> 1SLM FS x2

### • Input / output signal

AV input : DC24V ( 25mA / 1ea ) MFC IN/OUT : 0~5V / 0~100% Pressure OUT : 0~5V / 0~100%

Load cell OUT : 0~5V / 0~100%

Liquid level H : relay

### • Utility

Power : 230 VAC±10 %, 50/60 Hz, 21A

Gas/ liquid

SiCl<sub>4</sub> : 0.2 ~ 0.3MPa(G)

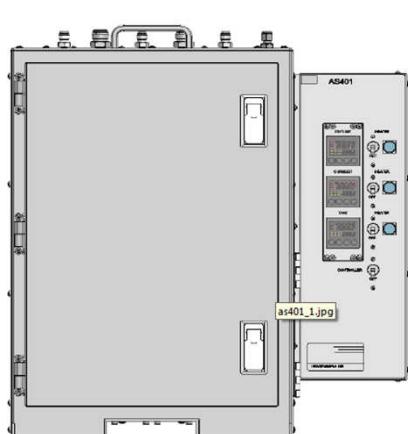
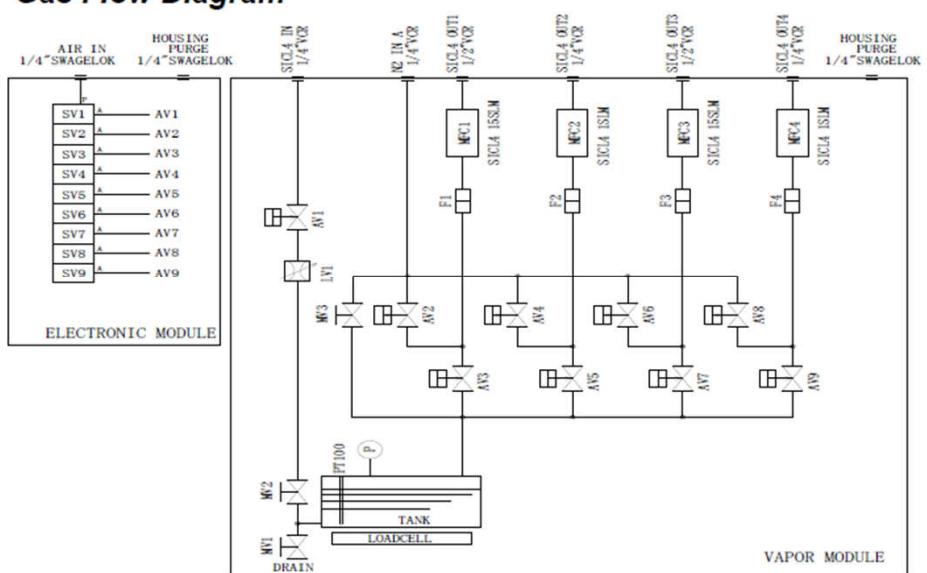
N<sub>2</sub> ( for purging ) : 0 ~ 0.1MPa(G)

Air ( AV drive ) : 0.4 -0.7MPa(G)

Installation : horizontal

Temperature : 5~45degC

## Gas Flow Diagram



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