

Vaporizer AS401 Series



Product Overview

- Special stabilized tank pressure makes a stable flow control of the source MFCs
- Stable SiCL4 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

SiCL4 15SLM FS x2

FC-780HT-4V

SiCL4 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

SiCL4 : 0.2 ~ 0.3MPa(G)

N2 (for purging) : 0 ~ 0.1MPa(G)

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

Installation : horizontal

Temperature : 5~45degC

Gas Flow Diagram

