

ULTRA HIGH PURITY PRODUCT SERIES

CANISTER



OVERVIEW

Upper and lower part united canister that is designed for research purposes and so only uses a small amount of chemicals. It is an exchangeable type of canister, which is generally used in university labs or research centers, and the level sensor is not applied to this canister.

With the bubbler method applied, it is used mainly in processes where chemicals with low vapor pressure are vaporized and transported.

Canister is a sort of container used for safely keeping precursor in CVD and ALD process without any leakage and spoil while storing, moving and using precursor.

Also, canister is used for delivering precursor to equipment or system in proper ways according to equipment specifications and process conditions

TK-FUJIKIN corporation has diversified business areas into fittings, valves, regulators and gas filters for Semiconductor Industry

FEATURES

- Design & Manufacturing according to UHP Semi and ISO 18172-1 Standards
- Vertical (Horizontal) Electropolished Stainless Steel Bubbler with Fill Port is available
- High Pressure Diaphragm Valve (3/8")
- Connection Size : 1/4", 3/8", 1/2"
- Connection Type : MFS (Metal Face Seal) Type
- Volume (Liter) : 0.1, 0.2, 0.4, 0.5, 1.0, 2.5, 4.5, 5.0, 6.0, 10, 20, 100, 200
- Test Pressure : 6Mpa and below
- Flow Control : Valve + MFC (Mass Flow Control)

KIND OF CANISTER TYPE

- VFC(Vapor Flow Control) Type : Deliver a small volume of Precursor when using Precursor that has characteristics of High vapor pressure and nature vaporization
- Bubbler Type : Deliver a small volume of Precursor after vaporizing Precursor of usual vapor pressure
- DLI(Direct Liquid Injection) Type : Deliver at liquid state and vaporize it by a vaporizer when using Precursor of low vapor pressure or needing high vaporization volume
- Flow Control : Valve + MFC (Mass Flow Control)

SPECIFICATION

CLASS	SPECIFICATION
TRANSFER TYPE	Bubbler, VFC, DLI
VOLUME(ℓ)	0.1 ~ 200
VALVE TYPE	Diaphragm Valve
PURGE VALVE	None
GASKET	None
INLET / OUTLET PORT	1/4", 3/8", 1/2"Metal Face Seal
REFILL PORT	1/2"Male VCR

PRODUCT CONCEPT

