

IWAKI
CHEMICAL
REPLENISHING
PUMP

CFD



Resolution improvement up to 1.0mL/shot

offers finer flow adjustment

■ Resolution improvement

The resolution of the CFD has been greatly improved compared to our existing models. The minimum flow of 1mL/shot offers greater accuracy in chemical condensation control that is required in the wafer cleaning process. The anti-siphon mechanism prevents unintentional siphoning.

■ Corrosion resistant wet ends

Fluoroplastic wet ends (PTFE, PFA, PCTFE) is capable of handling the strong acids, alkalines and hydrogen peroxide required for semiconductor processing. PTFE, PFA, PP, PVC external parts and PTFE coated screws provide additional protection against chemical attack.

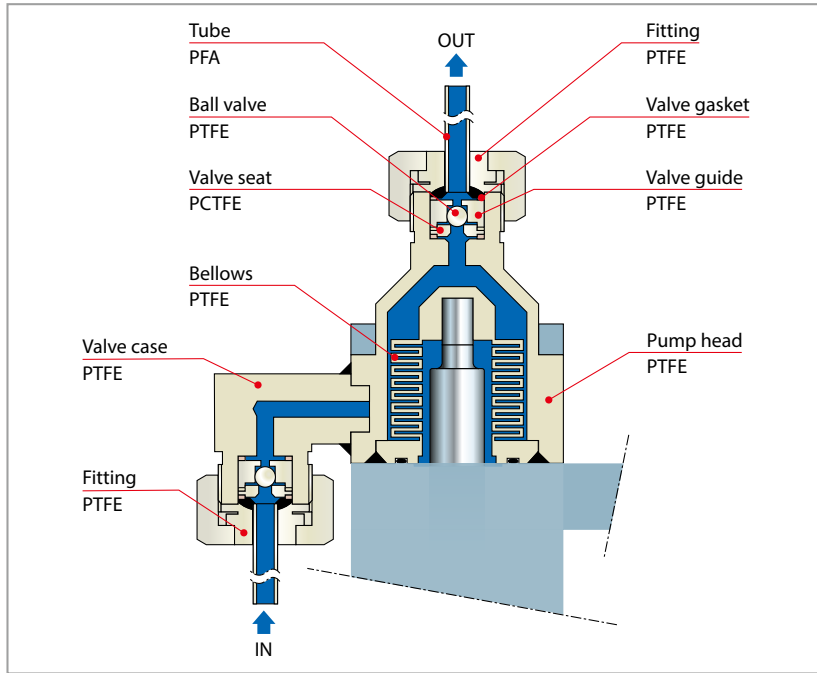
■ Flow rate adjustment

Simply open the bottom cover to easily adjust stroke length to give between 1.0-2.7ml/shot. (Factory default is 1.0ml/shot)

■ Leak sensor

Every unit is equipped with a leakage sensor to detect any leakage immediately.

Construction and materials



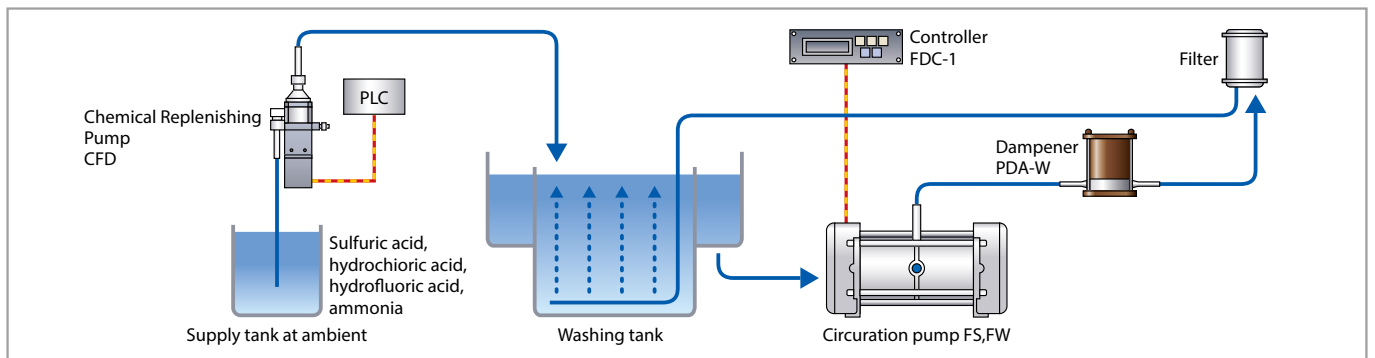
Pump specification

Model	Discharge capacity (mL/shot)	Max. discharge pressure (MPa)	Liquid temperature range (°C)	Max. stroke speed (spm)	Max. supply air pressure (MPa)	Max. air consumption (NL/min)	Wet end materials	Liquid port bore	Supply air port bore	Weight (kg)
CFD-1T-B	1	0.05	20 - 60	30	0.15 - 0.3	2.5	PTFE,PFA PCTFE	1/4"PFA tube (6.35x4.35)	Rc1/8	1.1
CFD-8T	8								M5	1.2
CFD-8T-B	8					0.18	PCTFE,PFA	1/4"PFA tube (6.34x4.35)	NPT1/4	1.5

Photosensor specification

Model	Type	Power voltage	Output mode	Allowable current	Cord
CFD-1T-B	Transmission type micro photo sensor	5 - 24V DC±10%	NPN transistor open collector	50mA or below	5m PVC 4 core cable (Outer dia.5.2mm) with 0.5 - 4-round terminal
CFD-8T					5m PVC 4 core cable (6.5mm ²) with round terminal
CFD-8T-B		DC5V			20ft PVC 4 core cable (6.5mm ²) with round terminal

Wafer wet-bench



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Caution for safety use: Before use of pump, read instruction manual carefully to use the product correctly. **Legal attention related to export.** Our products and/or parts of products fall in the category of goods contained in control list of international regime for export control. Please be reminded that export license could be required when products are exported due to export control regulations of countries. The posting and copying from this catalogue without permission is not accepted firmly.