

Introduction of Models to be Released in 2026

Integrated Flow Controller

CLFC1000 | Integrated Flow Controller

- World's smallest class, featuring an integrated, compact, and space-saving design.
- Suitable for flow rate control of pure water, ultrapure water, various chemicals, CMP slurries, etc.
- Equipped with a highly accurate PFA ultrasonic flowmeter.



Measurement and control target	Liquids in general (DIW, various chemicals, slurries, etc.)
Flow range	Slurries (pinch tube valves): 50 to 1000 mL/min Purified water and chemical solutions (needle valves): 2.5 to 25 mL/min, 400 to 4000 mL/min
Maximum operating pressure	0.4 MPa max.
Fluid temperature	5 to 50°C
Flow rate accuracy	±1% R.D.
Control accuracy	±1.5% R.D.
Power supply	24 V DC (±10%)
Control I/O	4-20 mA, 0-10 V
Dimensions	W28/D148/H111 (excluding mounting plate and fittings)
Process connection	φ1/4", φ3/8" SUPER300 TYPE PILLAR FITTING φ1/4", φ3/8" FLARE TYPE FITTING
Material	PFA, PTFE (pinch tubes)

Ultrasonic Flowmeter

UCUF-SB / SFC011SB

UCUF Series

- A straight-type ultrasonic flow meter.
- For measuring the flow rate of various chemicals, ultrapure water, etc.
- A single converter can measure up to six lines simultaneously.



Measurement target	Liquids in general (Various chemicals and pure water)	Power supply	24 V DC (±10%)
Flow range	Min.: 0 to 50 mL/min Max.: 0 to 3 L/min	Process connection	RS485 (Protocol: Modbus)
Maximum operating pressure	0.5 MPa max.	Instantaneous flow rate output	4 to 20 mA DC or 1 to 5 V DC etc.
Fluid temperature	+10 to 60°C		
Flow rate accuracy	±1% R.D. (>800 mL/min)	Pulse output	Selectable from frequency, totalized flow, alarm, and error. Open collector, duty 1:1 Load resistance within 30 V DC, 10 mA
Process connection	6mm, 1/4"		
Material	PFA		

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Tokyo Keiso's Flowmeters
used in semiconductor manufacturing processes

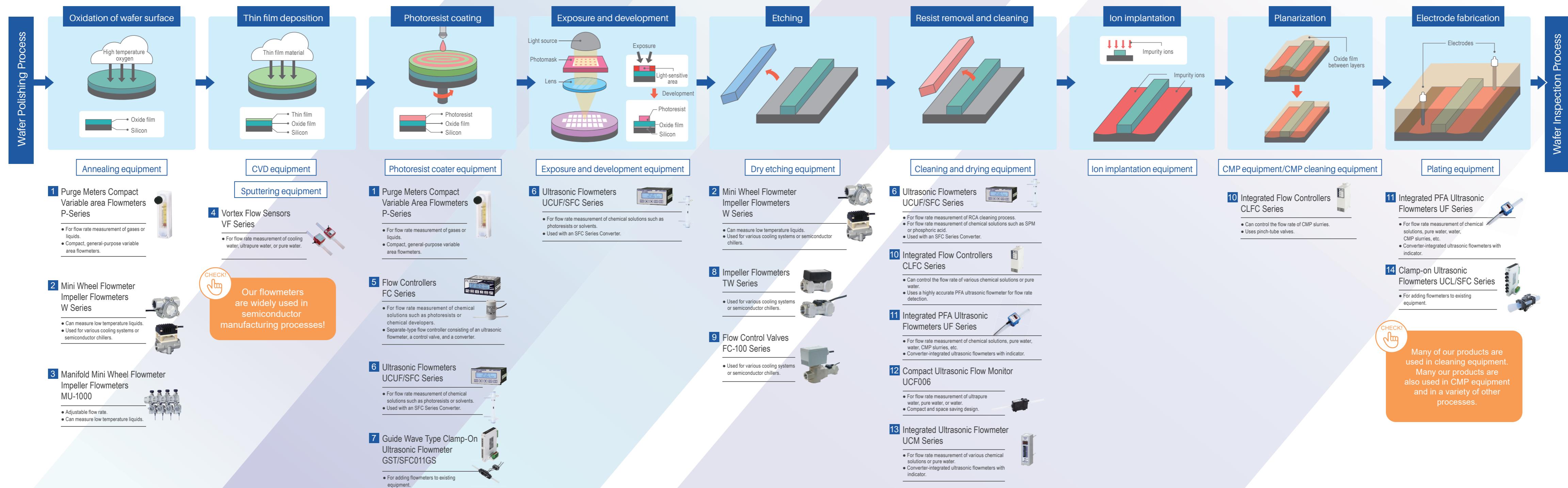
New CLFC1000 and
UCUF-SB / SFC011SB



TOKYO KEISO

Tokyo Keiso's Flowmeters used in semiconductor manufacturing processes

Front-end process



1 P-880 / P-510 / P-771 / P-710	
Model	P-880
Measurement target	Gas
Function	Local indication
Minimum flow range (water equivalent)	–
Maximum flow range (water equivalent)	–
Minimum flow range (air equivalent)	0.15 to 1.5 mL/min
Maximum flow range (air equivalent)	6 to 60 L/min (nor)
Face-to-face dimension	115, 130, 145 mm
Connection	Rc1/4, SW1/4, VCR
Warning	–
Material	SCS14/SUS316

2 W-2000 / W-2000N		W-3000	
Model	W-2000 / W-2000N	Connection	Rc3/8, Rc1/2, Rc3/4
Measurement target	Liquids in general	Material	SCS14, polycarbonate, NBR, FKM, EPDM, FVMQ, PPS, PTFE, quartz glass, HC-276
Flow range	Max.: 10 to 100 L/min Min.: 0.5 to 3 L/min	Material	Min.: 0.5 to 3 L/min Max.: 6 to 60 L/min
Fluid temperature	-40 to 100°C	Material	5 to 150°C
Fluid pressure	1.0 MPa max	Material	1.0 MPa max

4 VF-2000 / VF-3000		
Model	VF-2000	VF-3000
Measurement target	Liquids in general	Liquids in general
Fluid temperature	10 to 70°C	10 to 90°C
Fluid pressure	1 MPa max.	1 MPa max.
Flow range	Max.: 4 to 40 L/min Min.: 0.5 to 4 L/min	Max.: 15 to 150 L/min
Connection	R3/8, R1/2	3/8", 3/4", 1"
Body material	PPS resin	New PFA

6 UCUF-E / UCUF-K		
		SFC4000 / S
P-710		
Gases, liquids		
Local indication, alarm output		
3 to 30 mL/min		
0.4 to 2 L/min		
50 to 500 mL/min (nor)		
2 to 20 L/min (nor)		
79 mm		
Rc1/8 (for fittings)		
Optical alarm unit		
ETFE		

MU-1000					
Measurement target	Liquid equivalent to water	Connection	Rc3/4	Measurement target	Liquids in general
Flow range	Min.: 0.6 to 3 L/min Max.: 2 to 20 L/min	Material	SCS14, SUS304, PPS, PTFE, quartz glass, PTFE, polycarbonate, NBR	Fluid temperature	10 to 60°C
Liquid temperature	0 to 120°C			Fluid pressure	0.5 MPa max.
Liquid pressure	1.0 MPa max.			Accuracy	±1% R.D. (Flow velocity ≥ 1 m/s)
				Flow range	Max.: 0 to 80 L/min Min.: 0 to 50 mL/min
				Connection	UCUF-E: 3/8" UCUF-K: 1/2", 3/4", 1"

5 FC6000 / FC6500	
Measurement target	Liquids in general
Flow range	Max.: 0 to 10 L/min Min.: 0 to 2.5 mL/min
Fluid temperature	5 to 50°C
Fluid pressure	0.3 MPa max.
Output	Pulse, current, alarm (RS485)
Material	SCS16, SUS316, POM, Ni, polyimide, epoxy, fluororubber

SFC4000	SFC3000	Measurement target	Pure water, photoresist, low-K material, trimmer
Pulse, current, alarm	Pulse, current, alarm	Fluid temperature	Normal temperature (Temperature fluctuation: $\pm 0.5^\circ\text{C}$)
RS485	RS485	Fluid pressure	0.5 MPa max.
Backlit LCD	-	Power supply	24 V DC $\pm 10\%$
24 V DC $\pm 10\%$	24 V DC $\pm 10\%$	Flow range	Max.: 0 to 2.0 L/min Min.: 0 to 0.5 L/min
ABS resin	ABS resin	Applicable tube sizes	PFA 1/8", 1/4", 4, 5, 6 mm
0 to 50°C	0 to 60°C	Accuracy	$\pm 2\%$ R.D (>0.8 L/min)
Panel mounting	DIN rail	Converter installation	DIN rail

TW-080 / TW-090		9 FC-100 / FCV-205A-3/8		10 CLFC300	
Measurement target	Liquids in general	Measurement target	Liquid equivalent to water	Measurement and control target	
Flow range	Max.: 2 to 20 L/min Min.: 0.2 to 2 L/min	Flow range	0.5 to 5 L/min	Flow range	
Fluid temperature	0 to 60°C	Fluid temperature	0 to 60°C	Maximum operating pressure	
Fluid pressure	1 MPa max.	Fluid pressure	0.5 MPa max.	Connection	
Connection	Rc1/4, Rc3/8	Connection	Rc3/8	Material	
Material	SCS14, nylon, ZrO2, NBR				

Measurement target	Various liquids	Measurement target	Pure water, water	Measurement target	Various liquids	Measurement target	Various liquids
Fluid temperature	10 to 90 °C	Fluid temperature	10 to 80 °C	Fluid temperature	10 to 60 °C	Fluid temperature	10 to 60 °C
Fluid pressure	0.5 MPa max.	Fluid pressure	0.5 MPa max.	Fluid pressure	0.5 MPa max.	Fluid pressure	0.5 MPa max.
Power supply	24 V DC \pm 10%	Power supply	24 V DC \pm 10%	Power supply	24 V DC \pm 10%	Power supply	24 V DC \pm 10%
Flow range	Max.: 0 to 150 L/min Min.: 0 to 20 L/min	Flow range	0 to 8 L/min	Flow range	0 to 8 L/min	Flow range	0 to 8 L/min
Connection	1/2", 3/4", 1"	Connection	3/8"	Connection	PFA 6.35, 9.53 mm	Connection	PFA 6.35, 9.53 mm
Accuracy	$\pm 2\%$ F.S. (1 digit)	Accuracy	$\pm 2\%$ R.D (>1.7 L/min)	Accuracy	04A: $\pm 1\%$ F.S. (>0.5 L/min)	Accuracy	06A: $\pm 1\%$ F.S. (>1 L/min)

- in general
ole measurement, the liquid should be free of air bubbles).
- (pinch tube valves): 50 to 500 mL/min
- water and chemical solutions (needle valves): 5 to 50 mL/min, 200 to 2000 mL/min
- a max.
- UPER300 TYPE PILLAR FITTING
- LARE TYPE FITTING
- TFE (pinch tubes)

jet	Liquids in general
	10 to 60°C
	0.5 MPa max.
	24 V DC \pm 10%
	Max.: 0 to 80 L/min Min.: 0 to 3 L/min
zes	PFA 6, 8, 10, 6.35, 9.53, 12.70, 19.05, 25.40 mm
	\pm 2% R.D (>0.8 L/min)
tion	DIN rail
able detectors	SEC010C (1ch), SEC011C (6ch)