

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.

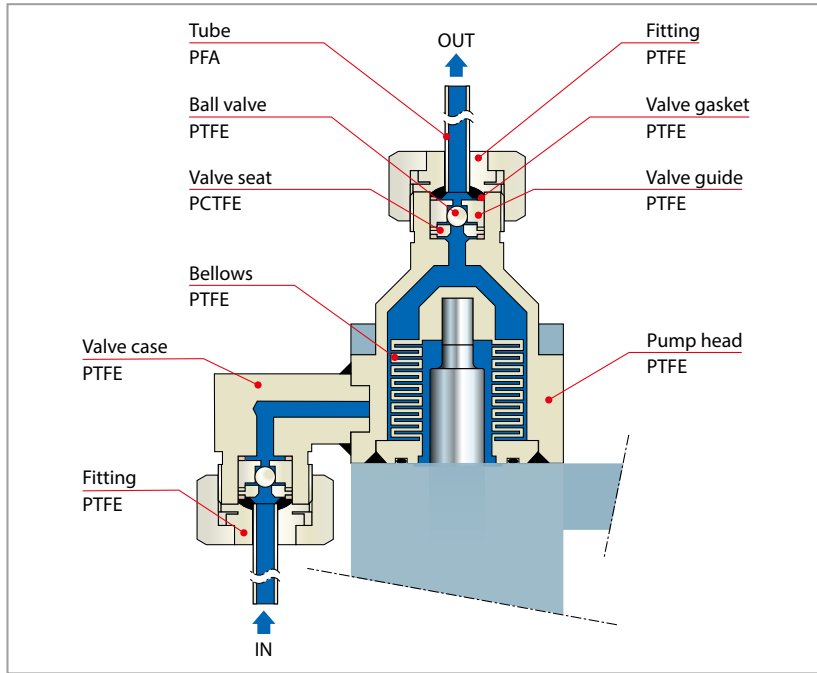
■ Flow rate adjustment

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



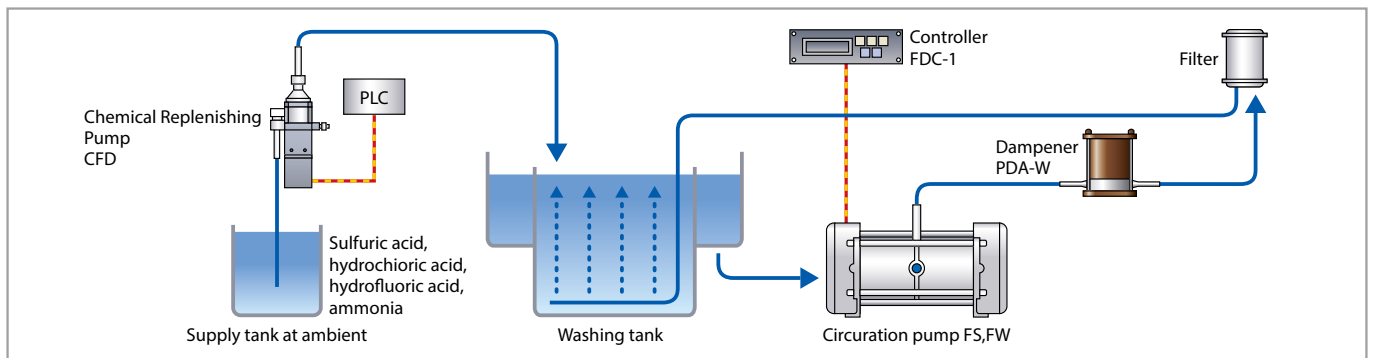
Pump specification

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	PTFE,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



IWAKI CO., LTD. 6-6 Kanda-Sudacho 2-chome Chiyoda-ku Tokyo 101-8558 Japan TEL : (81)3 3254 2935 FAX : 3 3252 8892 Please see our global net work www.iwakipumps.jp

European office : IWAKI Europe GmbH Germany : IWAKI Europe GmbH Holland : IWAKI Europe GmbH (Netherlands Branch) Italy : IWAKI Europe GmbH Spain : IWAKI Europe GmbH (Spain Branch) Belgium : IWAKI Belgium N.V. Denmark : IWAKI Nordic A/S Finland : IWAKI Suomi Oy France : IWAKI France S.A. Norway : IWAKI Norge AS Sweden : IWAKI Sverige AB U.K. : IWAKI Pumps (UK) Ltd.	TEL: (49)2154 9254 0 TEL: (49)2154 9254 50 TEL: (31)74 2420011 TEL: (39)0444 371115 TEL: (34)93 37 70 198 TEL: (32)13 67 02 00 TEL: (45)48 24 2345 TEL: (358)9 2745810 TEL: (33)1 69 63 33 70 TEL: (47)23 38 49 00 TEL: (46)8 511 72900 TEL: (44)1743 231363	FAX: 2154 9254 48 FAX: 2154 9254 55 FAX: (49)2154 925448 FAX: 0444 335350 FAX: 93 47 40 991 FAX: 13 67 20 30 FAX: 48 24 2346 FAX: 9 2742715 FAX: 1 64 49 92 73 FAX: 23 38 49 01 FAX: 8 511 72922 FAX: 1743 366507 () Country codes	U.S.A. : IWAKI America Inc. Argentina : IWAKI America Inc. (Argentina Branch) Brasil : IWAKI Do Brasil Comercio De Bombas Hidraulicas LDA Singapore : IWAKI Singapore Pte Ltd. Indonesia : IWAKI Singapore (Indonesia Office) Malaysia : IWAKI Sdn. Bhd. Australia : IWAKI Pumps Australia Pty Ltd. Hong Kong : IWAKI Pumps Co., Ltd. China : GFTZ IWAKI Engineering & Trading Co., Ltd. : IWAKI Pumps (Shanghai) Co., Ltd. Korea : IWAKI Korea Co.,Ltd. Taiwan : IWAKI Pumps Taiwan Co., Ltd. Thailand : IWAKI (Thailand) Co.,Ltd.	TEL: (1)508 429 1440 TEL: (54)11 4745 4116 TEL: (55)19 3244 5900 TEL: (65)6316 2028 TEL: (62)21 6906606 TEL: (60)3 7803 8807 TEL: (61)2 9899 2411 TEL: (852)2607 1168 TEL: (86)20 84350603 TEL: (86)21 6272 7502 TEL: (82)2 2630 4800 TEL: (886)2 8227 6900 TEL: (66)2 322 2471	FAX: 508 429 1386 FAX: 19 3244 5900 FAX: 6316 3221 FAX: 21 6906612 FAX: 3 7803 4800 FAX: 2 9899 2421 FAX: 2607 1000 FAX: 20 84359181 FAX: 21 6272 6929 FAX: 2 2630 4801 FAX: 2 8227 6818 FAX: 2 322 2477
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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.