

Excellent Performance for Strong Acid and Alkali Replenishment in Semiconductor Manufacturing



Ideal for Wafer Cleaning Solution Concentration Control

Accurately dispenses the minimum required amount of chemical. Ideal for controlling the concentration of wafer cleaning solution. The pump prevents the concentration overshooting and contributes to cost reduction of the solution.



Superior Chemical Resistance

All wet end parts are made of fluoroplastic (PTFE, PFA, PCTFE) and are compatible with chemicals such as strong acid, strong alkali and hydrogen peroxide. The outer parts of the pump are made of plastic with coated bolts.



Safety Design

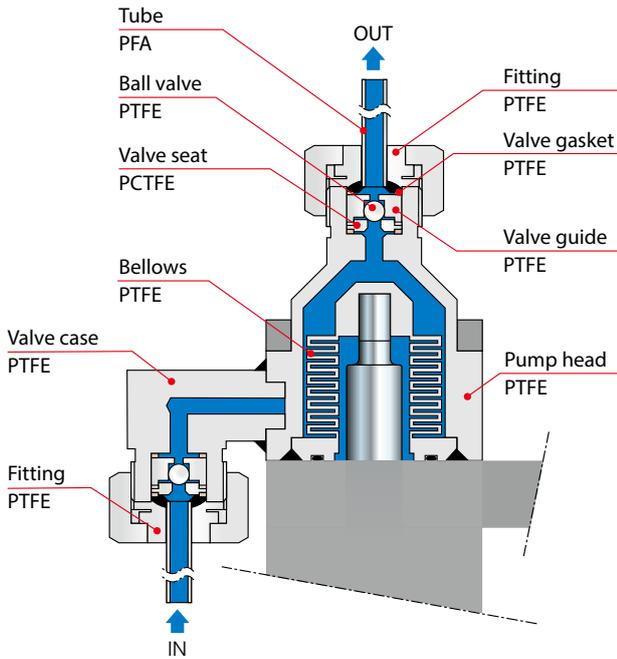
The pump is a pneumatic drive bellows pump safely powered by compressed air. The siphon prevention mechanism prevents the outflow of chemical. CFD-1T-B is equipped as standard with a leak sensor that detects bellows damage.



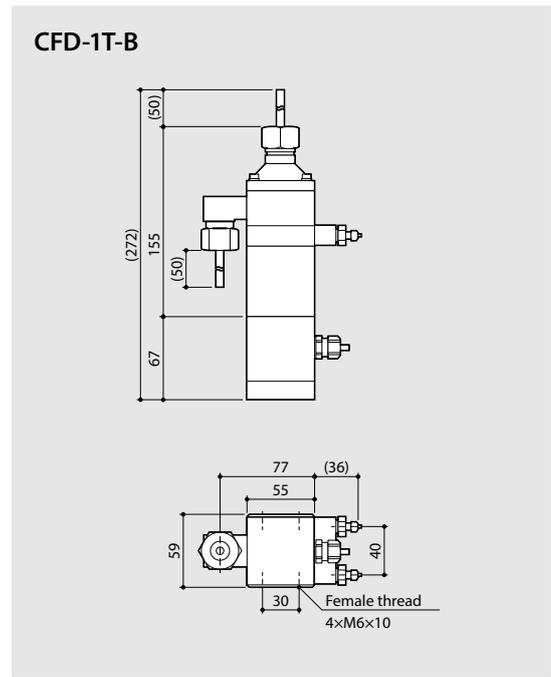
Wide Discharge Capacity Range

The discharge capacity can be flexibly adjusted for a wide range. Factory default setting is as follows; CFD-1T-B : 1mL/shot, CFD-8T-B : 8mL/shot.

Construction and Materials



Dimensions in mm



• Please contact us for CFD-8T-B dimensions.

Pump Specifications

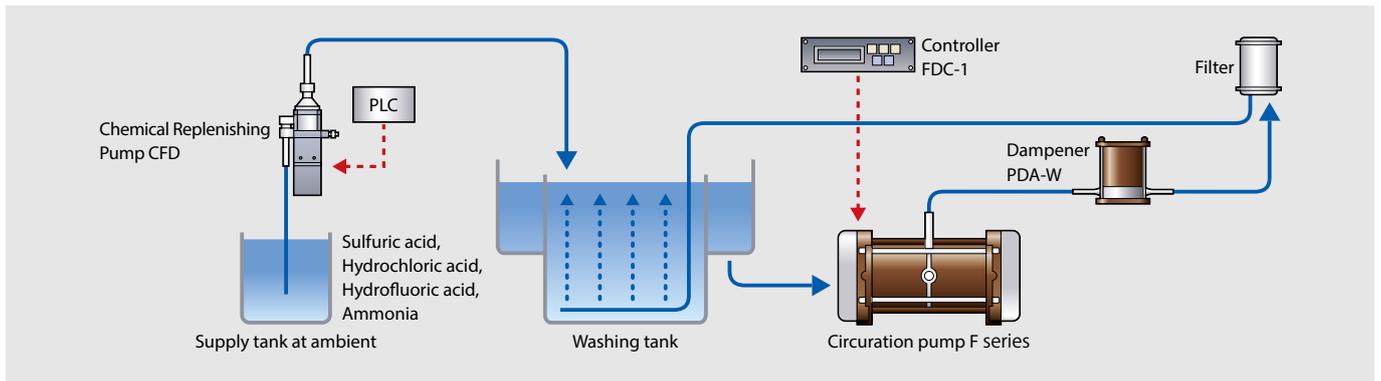
Model	Discharge capacity (mL/shot)	Max. discharge pressure (MPa)	Liquid temperature range (°C)	Max. stroke speed (spm)	Supply air pressure range (MPa)	Max. air consumption (NL/min)	Wet ends	Liquid line connection size	Air line connection size	Weight (kg)
CFD-1T-B	¹ Note1	0.05	20 - 60	30	0.15 - 0.3	2.5	PTFE, PFA PCTFE	1/4" PFA tube (6.35x4.35)	Rc1/8	1.1
CFD-8T-B	⁸ Note2					5.4			M5	1.5

Note1: Factory default setting. The discharge capacity can be changed within 0.4 to 2.7mL/shot.
 Note2: Factory default setting. The discharge capacity can be changed from 7 to 10mL/shot.

Photosensor Specifications

Model	Type	Power supply voltage	Output type	Output current	Cord	Cord outer dia.
CFD-1T-B	Transmission type micro photo sensor	5 - 24V DC ±10%	NPN transistor / open collector	50mA or below	5m PVC 4 core cable with 0.5 - 4 round terminal	Ø5.2mm
CFD-8T-B		5V DC ±10%	Voltage output			Ø6.5mm

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 IWAKI has global net work. Please find your distributor location at www.iwakupumps.jp

European Headquarter Germany	IWAKI Europe GmbH TEL: (49)2154 9254 0 FAX: (49)2154 9254 48	U.S.A. Brazil	IWAKI America Inc. TEL: (1)508 429 1440 FAX: (1)508 429 1386
The Netherlands (Netherlands Branch)	IWAKI Europe GmbH TEL: (31)74 2420011 FAX: (31)74 2420011	China (Shanghai)	IWAKI Do Brasil Comercio De Bombas Hidraulicas LTDA. TEL: (55)19 3244 5900 FAX: (55)19 3244 5900
Italy (Italy Branch)	IWAKI Europe GmbH TEL: (39)0445 561219 FAX: (39)0445 569088	China (Hong Kong)	IWAKI Pumps (Shanghai) Co., Ltd. TEL: (86)21 6272 7502 FAX: (86)21 6272 7502
Spain (Spain Branch)	IWAKI Europe GmbH TEL: (34)934 741 638 FAX: (34)934 741 638	China (Guangzhou)	IWAKI Pumps Co., Ltd. TEL: (852)2607 1168 FAX: (852)2607 1000
Poland (East Europe Branch)	IWAKI Europe GmbH TEL: (48)12 347 0755 FAX: (48)12 347 0755	Singapore	GFTZ IWAKI Engineering & Trading Co., Ltd. TEL: (86)20 84350603 FAX: (86)20 84359181
Denmark	IWAKI Nordic A/S TEL: (45)48 242345	Indonesia (Indonesia Office)	IWAKI Singapore Pte Ltd. TEL: (65)6316 2028 FAX: (65)6316 3221
Finland	IWAKI Suomi Oy TEL: (358)10 201 0490	Malaysia	IWAKI Singapore Pte Ltd. TEL: (62)21 6906606 FAX: (62) 21 6906612
Norway	IWAKI Norge AS TEL: (47)23 38 49 00	Korea	IWAKim SDN. BHD. TEL: (60)3 7803 8807 FAX: (60)3 7803 4800
Sweden	IWAKI Sverige AB TEL: (46)8 511 72900	Taiwan	IWAKI Korea Co.,Ltd. TEL: (82)2 6238 4800 FAX: (82)2 6238 4801
Belgium	IWAKI Belgium N.V. TEL: (32)13 670200	Thailand	IWAKI Pumps Taiwan Co., Ltd. TEL: (886)2 8227 6900 FAX: (886)2 8227 6818
France	IWAKI France S.A. TEL: (33)1 69 63 33 70	Australia	IWAKI (Thailand) Co.,Ltd. TEL: (66)2 322 2471 FAX: (66)2 322 2477
			IWAKI Pumps Australia Pty Ltd. TEL: (61)2 9899 2411 FAX: (61)2 9899 2421

() Country codes

Caution for safety use: Before use of pump, read instruction manual carefully to use the product correctly. Actual pumps may differ from the photos. Specifications and dimensions are subject to change without prior notice. For further details please contact us.

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.