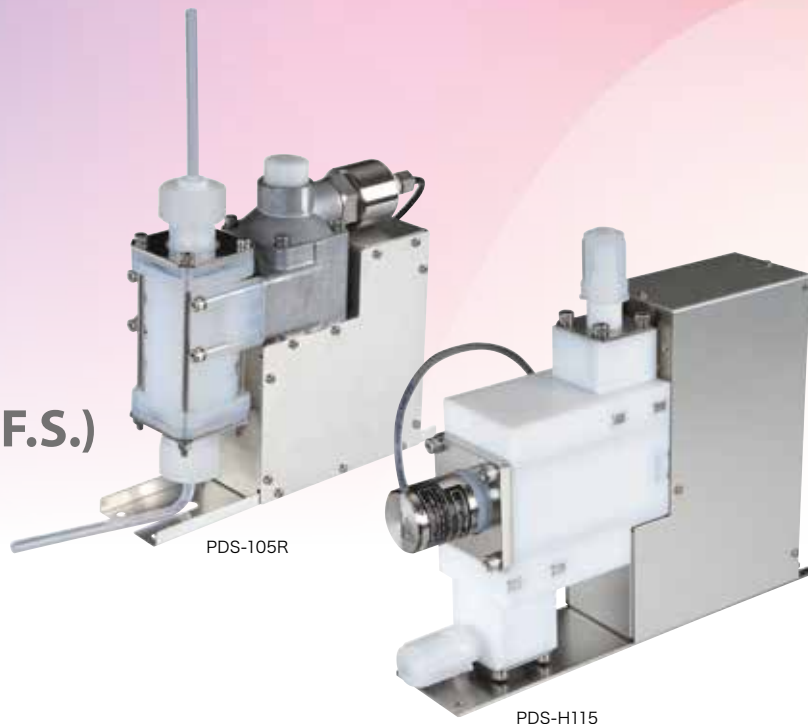


Repeatability of $\pm 0.3\%$ (F.S.)
Low Cost



Substantial Saving of Resist

The use of a high-torque stepper motor as the drive source results in a consistent discharge volume, unimpeded by filter clogging or viscosity change. A repeatable accuracy (0.3%) of discharge is maintained.

- Repeated precision: $\pm 0.3\%$ (F.S.)
- Linearity: $\pm 0.5\%$ (F.S.)^{Note}
- Resolution: 0.01 ml or below

Note: PDS-105R type



Contamination-Free

The pump portion is of tube/phragm structure wetted internals are flat and smooth, with a small dead volume. Because the system hardly has a place that allows liquid resist to dwell, production of particles is prevented. (PDS-105R only)



Usable for a Variety of Coating Processes

Since the discharge velocity can be changed freely in a shot, the system is capable of dealing with a variety of resist coating processes including application of a very small amount or in a very short period of time.



Reduction of Downtime

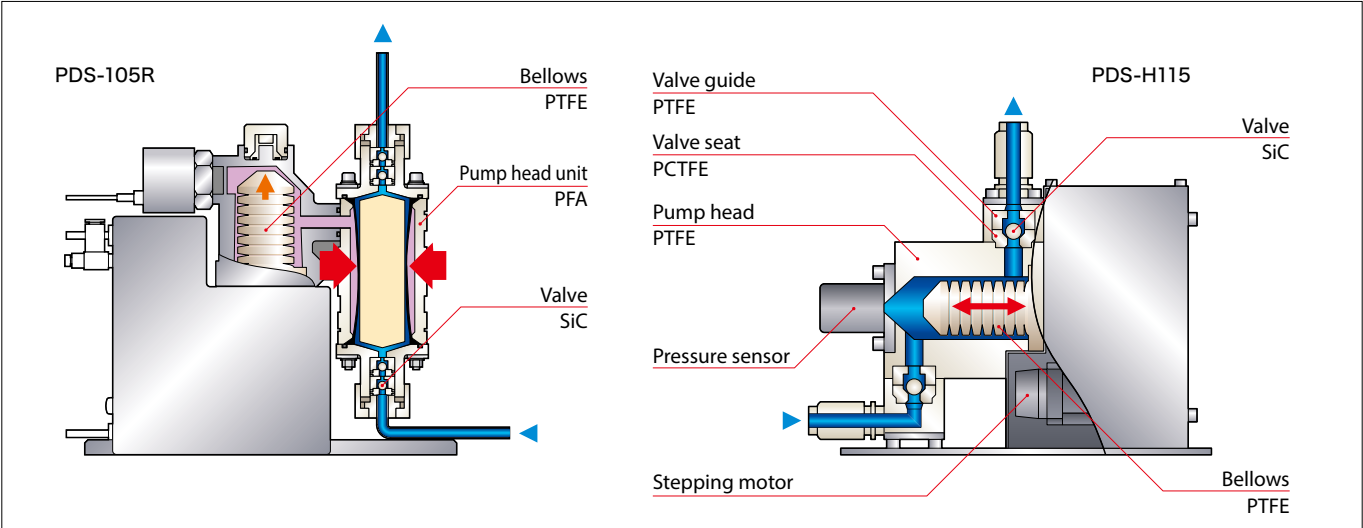
A discharge amount and a discharge time can be set only by entering values in the controller. It can save operator's time and labor and reduce downtime.



Suitable for Highly-Viscous Photoresist in LED and Mems Production

Rated for viscosities up to 10,000mPa·s used in manufacturing processes including LED and MEMS. And also for filling electrolysis solution. (PDS-H115 only)

Construction and Materials

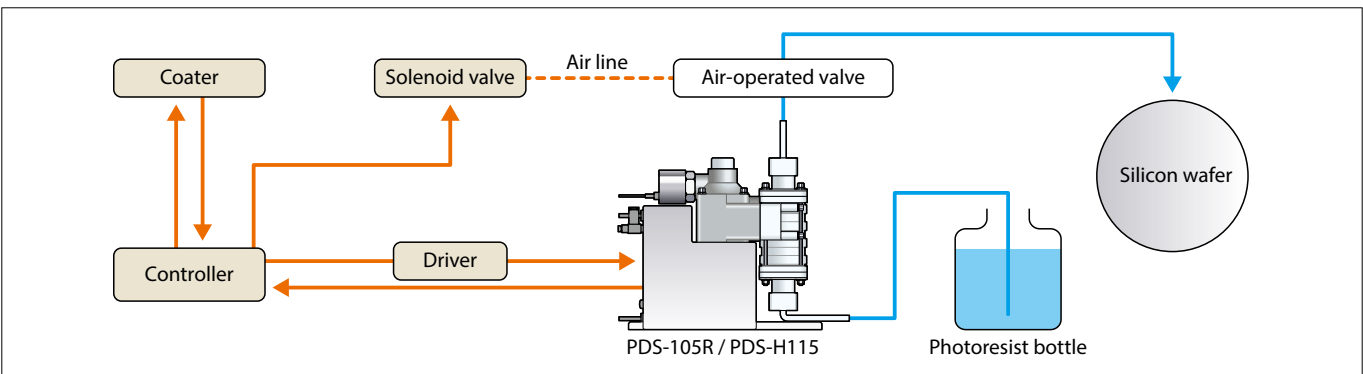


Specifications

Model	Max. capacity (mL/shot)	Discharge speed (mL/sec)	Suction speed (mL/sec)	Max. discharge pressure (MPa)	Repeatability	Max. liquid viscosity (mPa·s)
PDS-105R	5.0	0.1 ~ 4.0	0.1 ~ 3.0	0.15	0.3% or below (F.S.)	200
PDS-H115	12.0	0.5 ~ 2.0	0.3 ~ 2.0	1.0		10,000

Above specification may be changed by installation, handling liquid, etc.
For detail, please contact us.

System Configuration



Note: Use an optional driver. Purchase separately. Contact our sales reps for applicable controller in advance. For the other peripheral devices, provide by yourself.

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 The Netherlands (Netherlands Branch) Italy (Italy Branch) Spain (Spain Branch) Poland (East Europe Branch) Denmark Finland Norway Sweden Belgium France	IWAKI Europe GmbH IWAKI Europe GmbH IWAKI Europe GmbH IWAKI Europe GmbH IWAKI Europe GmbH IWAKI Nordic A/S IWAKI Suomi Oy IWAKI Norge AS IWAKI Sverige AB IWAKI Belgium N.V. IWAKI France S.A.	TEL: (49)2154 9254 0 TEL: (49)2154 9254 50 TEL: (31)74 2420011 TEL: (39)0445 561219 TEL: (34)934 741 638 TEL: (48)12 347 0755 TEL: (45)48 242345 TEL: (358)10 201 0490 TEL: (47)23 38 49 00 TEL: (46)8 511 72900 TEL: (32)13 670200 TEL: (33)1 69 63 33 70	FAX: (49)2154 9254 48 FAX: (49)2154 9254 55 FAX: (49)2154 9254 48 FAX: (39)0445 569088 FAX: (34)934 741 638 FAX: (48)12 347 0900 FAX: (45)48 242345 FAX: (358)10 201 0490 FAX: (47)23 38 49 00 FAX: (46)8 511 72900 FAX: (32)13 672030 FAX: (33)1 64 49 92 73	U.S.A. Brazil China (Shanghai) China (Hong Kong) China (Guangzhou) Singapore Indonesia (Indonesia Office) Malaysia Korea Taiwan Thailand Australia	IWAKI America Inc. IWAKI Do Brasil Comercio De Bombas Hidraulicas LTDA. IWAKI Pumps (Shanghai) Co., Ltd. IWAKI Pumps Co., Ltd. GFIZ IWAKI Engineering & Trading Co., Ltd. IWAKI Singapore Pte Ltd. IWAKI Singapore Pte Ltd. IWAKim SDN. BHD. IWAKI Korea Co.,Ltd. IWAKI Pumps Taiwan Co., Ltd. IWAKI (Thailand) Co.,Ltd. IWAKI Pumps Australia Pty Ltd.	TEL: (1)508 429 1440 TEL: (55)19 3244 5900 TEL: (86)21 6272 7502 TEL: (852)2607 1168 TEL: (86)20 84350603 TEL: (65)6316 2028 TEL: (62)21 6906606 TEL: (60)3 7803 8807 TEL: (82)2 6238 4800 TEL: (886)2 8227 6900 TEL: (66)2 322 2471 TEL: (61)2 9899 2411	FAX: (1)508 429 1386 FAX: (55)19 3244 5900 FAX: (86)21 6272 6929 FAX: (852)2607 1000 FAX: (86)20 84359181 FAX: (65)6316 3221 FAX: (62) 21 6906612 FAX: (60)3 7803 4800 FAX: (82)2 6238 4801 FAX: (886)2 8227 6818 FAX: (66)2 322 2477 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.