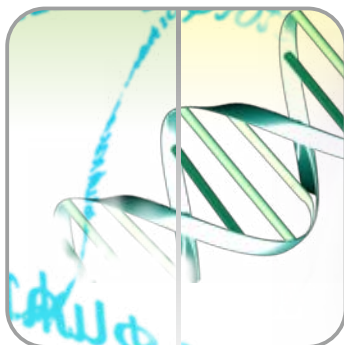
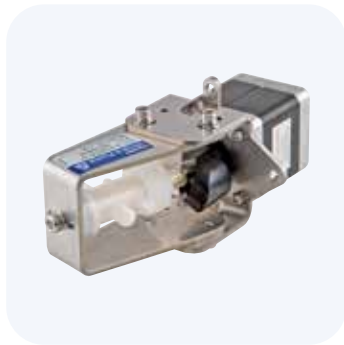
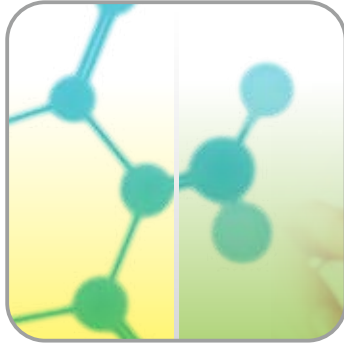


Pumps for Medical & Analytical application



IWAKI is a world wide leading pump manufacturer. Our high-end and compact products, such as air, magnetic drive and metering pumps, are widely used in medical, laboratory and environmental conservation fields.

High-End DC pumps, simple in use and compact

The compact DC pumps offer a long life cycle and best fit to OEM equipment.

Gas-Liquid Transfer Pumps

APN-W series



- Long life design
- Oil free design
- Careful handling of entrained liquid
- Compact & lightweight design reduces mechanical noise

Max. Air Discharge Capacity	4.0 L/min
Max. Air Discharge Pressure	0.08 MPa
Max. Discharge Capacity	1.0 L/min
Power voltage	12/24 VDC
Main Materials	GFRPP, EPDM, FKM, PTFE

Diaphragm Air Pumps

APN series



- Long life design
- Oil free design
- High efficiency

Max. Air Discharge Capacity	28 L/min
Max. Air Discharge Pressure	0.1 MPa
Power voltage	12/24 VDC
Main Materials	GFRPP, PTFE, EPDM, FKM

Direct Drive Pumps

RD-40/40X



- Compact & lightweight with a seal-less structure
- Long life design
- Safety voltage
- DC power system

Max. Discharge Capacity	70 L/min
Max. Discharge Head	15 m
Power voltage	24 VDC
Main Materials	GFRPPS, Alumina ceramic

Direct Drive Pumps

NRD series



- Compact & plastic canned pumps
- Seal-less design eliminates leak problems
- Multiple connection types
- Motor rpm can be controlled by external 1 - 5 V DC signal (option)

Max. Discharge Capacity	70 L/min
Max. Discharge Head	19 m
Power voltage	24, 48 VDC
Main Materials	GFRPP(GFRPPS), FKM

Hicera Pumps

V-07 24 VDC



V-07AEP
Optimized for immunoassay analyzers



V-07AFP
Optimized for dialysis machines

High corrosion resistance

Hot water washable

- 1 Shot Capacity : 0.1, 0.2, 0.3 mL
- Capacity range : 0.5 to 90 mL/min

- 1 Shot Capacity : 0.1, 0.2 mL
- Capacity range : 0.5 to 60 mL/min

Electromagnetic Metering Pumps

HRP series



- High stroke rate up to 720 spm
- Compact design
- High efficient diaphragm pump
- Operational function
Pulse control, 4-20mA control,
1-5V control, Stop control

Max. Discharge Capacity	38 mL/min
Max. Discharge Pressure	0.2 MPa
Power voltage	12/24 VDC
Main Materials	PVDF, FKM, Al ₂ O ₃



Magnetic Drive Gear Pumps

MDG-R2 24 VDC



- Compact seal-less gear pump
- Capable of liquids up to 95 °C
- Brushless DC motor with built-in driver

Max. Discharge Capacity	1.8 L/min
Max. Discharge Pressure	0.3 MPa
Power voltage	24 VDC
Main Materials	SUS, PPS

Bellows Pumps

KBR series



- High durability and integrally molded bellows
- Capable of acid and alkali
- Timer type is available

Note: AC models also available.

Max. Discharge Capacity	206 mL/min
Max. Discharge Pressure	0.01 MPa
Power voltage	24 VDC
Main Materials	PP, EPDM

Applications

Medical equipment

- Artificial dialysis
- Endoscope cleaning
- Biochemical analyzer
- Immunoassay
- Affected area cleaning
- Blood screening
- Urine test
- Nebulizer
- Massaging tools

Laboratory equipment

- Electrochemistry
- Photo analysis
- Electromagnetic analysis
- Separation analysis
- Heat analysis
- Chromatography
- Leak tester

Environmental conservation

- Air pollution investigation
- Water pollution investigation
- Ground pollution investigation

Versatile compact AC pumps

Extensive AC power compact pumps meet a wide variety of demands.

Diaphragm Type Air Pumps

APN-W series



- Wide model variation
- Oil free design
- High efficiency

50/60Hz

Max. Air Discharge Capacity	5/6 L/min
Max. Air Discharge Pressure	0.05 MPa
Power voltage	100, 220/240 VAC
Main Materials	GFRPP, EPDM, FKM

Electromagnetic Metering Pumps

EHN series



- Multi-voltage power source
- High resolution
- Pump head variation

Max. Discharge Capacity 450 mL/min

Max. Discharge Pressure 1.0 MPa

Power voltage 100 to 240 VAC

Main Materials PVC, GFRPP, PVDF, SUS316

Magnetic Drive Pumps

MD series



- Leak free magnetic drive design
- Wide selection range such as the high flow, high compression, thread connection and corrosive-resistant types are available

50/60Hz

Max. Discharge Capacity	135 L/min
Max. Discharge Head	14.3/20.3 m
Power voltage	100, 115, 230 VAC / IEC
Main Materials	GFRPP or PVDF or ETFE

Magnetic Drive Gear Pumps

MDG series



- Compact seal-less gear pump
- Capable of liquids up to 95 °C
- High corrosion resistance

50/60Hz

Max. Discharge Capacity 14/17 L/min

Max. Discharge Pressure 0.6 MPa

Power voltage 100, 115, 230 VAC

Main Materials SUS, PEEK, PTFE, FKM, PPS

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The Netherlands	: IWAKI Europe GmbH (Netherlands Branch)	TEL: (31)74 2420011	FAX: (49)2154 925448
Italy	: IWAKI Europe GmbH (Italy Branch)	TEL: (39)0444 371115	FAX: 0444 335350
Spain	: IWAKI Europe GmbH (Spain Branch)	TEL: (34)93 37 70 198	FAX: 93 47 40 991
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Thailand	: IWAKI (Thailand) Co., Ltd.	TEL: (66)2 322 2471	FAX: 2 322 2477

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.

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