

# High Precision

# Chemical Injection

# Transfer Liquid at High Pressure



# IWAKI is a world wide leading pump manufacturer.

## Our high-end and compact products are widely used in medical, laboratory and environmental conservation fields.

### Reciprocating diaphragm liquid pumps

## HSR

HSR series for build in equipment.  
Improved volume efficiency by using a unique method (Compared with our products)

Specifications	
Max. discharge capacity range	1400 mL/min (Reference)
Max. discharge pressure	0.6 MPa
Main materials	GFRPP
Power voltage	DC24V

- Capable of transferring liquid at high pressure.
- Relatively less flow fluctuation even if pressure fluctuates.
- Compact and lightweight design for easy layout in equipment.



### Magnetic drive pumps

## MD

A worldwide best-seller, our high-quality compact magnetic drive pumps. Making it suitable for incorporation into devices and equipment.



Specifications (50/60Hz)	
Max. discharge capacity range	135 L/min
Max. head range	14.3/20.3 m
Main materials	GFRPP
Power voltage	AC100V, 220–240V Single phase, AC220, 380, 400, 440V Three phase



### Direct drive pumps

## NRD

High performance canned pumps for a wide variety of uses. Compact and Lightweight with a Seal-Less Structure.



Specifications	
Max. discharge capacity range	140 L/min
Max. head range	26 m
Main materials	GFRPPE, GFRPP, GFRPPS
Power voltage	DC24, 48V

## 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

## Diaphragm type air pumps

## APN

Clean air transfer without the use of oil. Ideal for medical, sampling, and other applications in which clean air needs.



## Specifications (50/60Hz)

Max. discharge capacity range (L/min)	100/110 (AC power), 14 (DC power)
Max. discharge pressure (MPa)	0.2 (AC power), 0.1 (DC power)
Main materials	GFRPP, ADC12
Power voltage	AC100V Single phase, DC12, 24V

## Gas-liquid transfer pumps

## APN-W

Gas-liquid transfer capability. A compact and lightweight design is used that is perfect fit for built-in applications and for waste recovery.



## Specifications (50/60Hz)

Max. discharge capacity range (L/min)	5/6 (AC power), 4 (DC power)
Max. discharge pressure (MPa)	0.05 (AC power), 0.08 (DC power)
Main materials	GFRPP
Power voltage	AC100V Single phase, DC12, 24V

## Magnetic drive gear pumps

## MDG

MDG pumps are in varied applications including some of the medical equipment. Free from leakage problem and the need for seal replacement.



## Specifications (50/60Hz)

Max. discharge capacity range (L/min)	14/17 (AC power), 1.8 (DC power)
Max. discharge pressure (MPa)	0.6 (AC power), 0.3 (DC power)
Main materials	SUS316, PPS, CFRPEEK
Power voltage	AC115V, 220–240V, DC24V

## Direct drive pumps

## RD

A compact centrifugal pump with canned motor. Compact and Lightweight with a Seal-Less Structure.



## Specifications

Max. discharge capacity range	70 L/min
Max. head range	15 m
Main materials	GFRPPS
Power voltage	DC24V

## Hi-Cera pumps

## V-07

Highly accurate discharge rate control is possible. Ideal for immunoassay analyzers and dialysis machines.



## Specifications

Volume/shot	0.1, 0.2, 0.3 mL
Flow range	0.5–90 mL/min
Main materials	Al <sub>2</sub> O <sub>3</sub> , PTFE, PVDF, ECTFE
Power voltage	DC24V


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( ) 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.

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