

Pumps for Medical & Analytical Applications



















IWAKI is a world wide leading pump manufacturer.

Our high quality, compact products, such as air, magnetic drive and metering pumps, are widely used in medical, laboratory and environmental control systems.



High Quality DC pumps, compact and simple to use

Compact DC pumps offer long life and easy integration in OEM equipment.

Gas-Liquid transfer pumps

APN-W SERIES

- · Long life design
- · Oil free design
- · Handles liquids with entrained gas
- Ultracompact & lightweight design reduces mechanical noise
- Brushed or BLDC motor options



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1	APN-60W(BLDC)

Diaphragm air pumps

APN 12/24 VDC

- · Long life design
- · Oil free design
- High efficiency



Max. air discharge capacity	14 l/min
Max. air discharge pressure	0.08 MPa
Power voltage	24 VDC
Main materials	GFRPP, PTFE, EPDM, FKM

Direct drive pumps

Max. air discharge capacity

Max. air discharge pressure

Max. discharge capacity

RD SERIES

Power voltage

Main materials

- Compact plastic canned pumps
- Seal-less design eliminates leakage problems
- Threaded, quick fastener or hose connections are available

1.2 l/min

0.08 MPa

0.6 l/min

GFRPP,FKM,EPDM

24 VDC

· Motor rpm can be controlled by external 1-5 V DC signal (option)

Max. discharge capacity	70 l/min
Max. discharge head	15 m
Power voltage	24 VDC

PPS, GFRPP, FKM



RD-05









Hicera pumps

Main materials

V-05 24 VDC

- Ultra-precise repeatability
- · Valve-less design avoids air lock
- 24VDC stepping motor



Max. discharge capacity	30 ml/min
Max. discharge pressure	0.15 MPa
Power voltage	24 VDC
Main materials	SUS, PVDF, Al ₂ O ₃ , ZrO ₂

High resolution pulse pumps

HRP SERIES

- High stroke rate up to 720 spm
- Compact design
- · Highly efficient diaphragm pump
- · External control functions 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

Bellows type air pumps

BAN SERIES

- Long life design
- Dual sealing structure
- Motor rpm can be controlled by 1-5 V DC signal



Max. air discharge capacity	10 l/min
Max. air discharge pressure	0.05 MPa
Power voltage	24 VDC
Main materials	PTFE

Magnetic drive gear pumps

MDG-R2 24 VDC

- · Compact seal-less gear pump
- Liquid temperatures 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

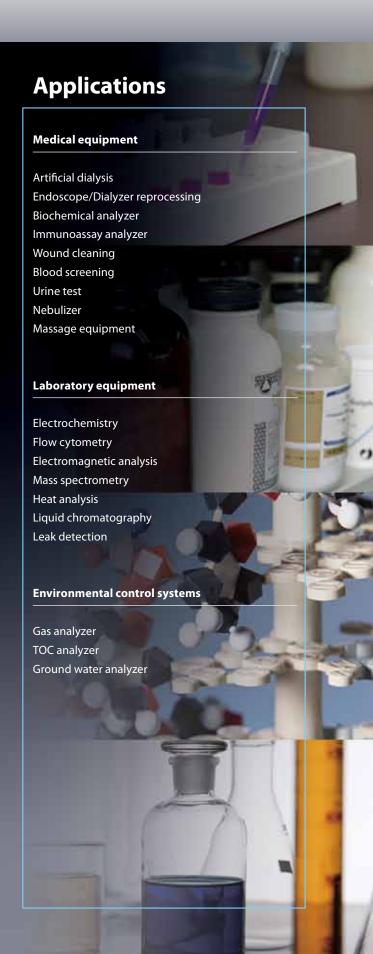
KBR SERIES

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

 Note: AC models also available.



Max. discharge capacity	90 ml/min
Max. discharge pressure	0.01 MPa
Power voltage	24 VDC
Main materials	PP, EPDM



Versatile compact AC pumps

Extensive series of compact AC powered pumps meet a wide variety of demands.

Diaphragm type air pumps

APN SERIES

- Wide range of models available
- $\bullet \, \hbox{Oil free design} \\$
- High efficiency



Magnetic drive pumps

MD SERIES

- Leak free magnetic drive design
- Wide range of models available such as: high flow, high head, threaded connection and corrosive-resistant types





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Max. air discharge capacity	100/110 l/min
Max. air discharge pressure	0.2 MPa
Power voltage	100, 115, 230 VAC
Main materials	GFRPP, EPDM, FKM

50/60Hz

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Max. discharge capacity	135 l/min
Max. discharge head	14.3/20.3 m
Power voltage	100, 115, 230 VAC / IEC
Wet ends	GFRPP or PVDF or ETFE

Electromagnetic metering pumps

EZ SERIES

- High stroke rate up to 360 spm
- Double ball check valves
- · Long lasting diaphragm
- Small, lightweight and quiet design



Magnetic drive gear pumps

MDG SERIES

- · Compact seal-less gear pump
- Liquid temperatures up to 95 °C
- High corrosion resistance

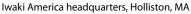


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Max. discharge capacity	14/17 l/min	
Max. discharge pressure	0.6 MPa	
Power voltage	100, 115, 230 VAC	
Main materials	SUS, PEEK, PTFE, FKM	



Thorough quality-control measures and constant pursuit of efficiency have helped lwaki establish a superior production system.





lwaki Saitama plant, Japan





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www.lwakiCustomPumps.com

