

I W A K I P R O D U C T G U I D E



Magnetic drive pumps

MXM SERIES

Magnetic drive pumps
with an excellent balance
of features and performance

Specifications

- Max. discharge capacity: 36 m³/hr
- Max. discharge head: 29 m
- Main material: CFRETFE
- Liquid temp. range: -10 to 105°C



Magnetic drive pumps

MDM SERIES

Magnetic drive process pumps
with dry running capability

Specifications

- Max. discharge capacity: 84 m³/hr
- Max. discharge head: 74 m
- Main materials: CFRETFE, PFA
- Liquid temp. range: -20 to 105°C (CFRETFE)
-20 to 150°C (PFA)



Magnetic drive pumps

MDE SERIES

The most reliable, large-sized
process magnetic drive pumps

Specifications

- Max. discharge capacity: 240 m³/hr
- Max. discharge head: 63 m
- Main materials: ETFE, PFA
- Liquid temp. range: 0 to 100°C



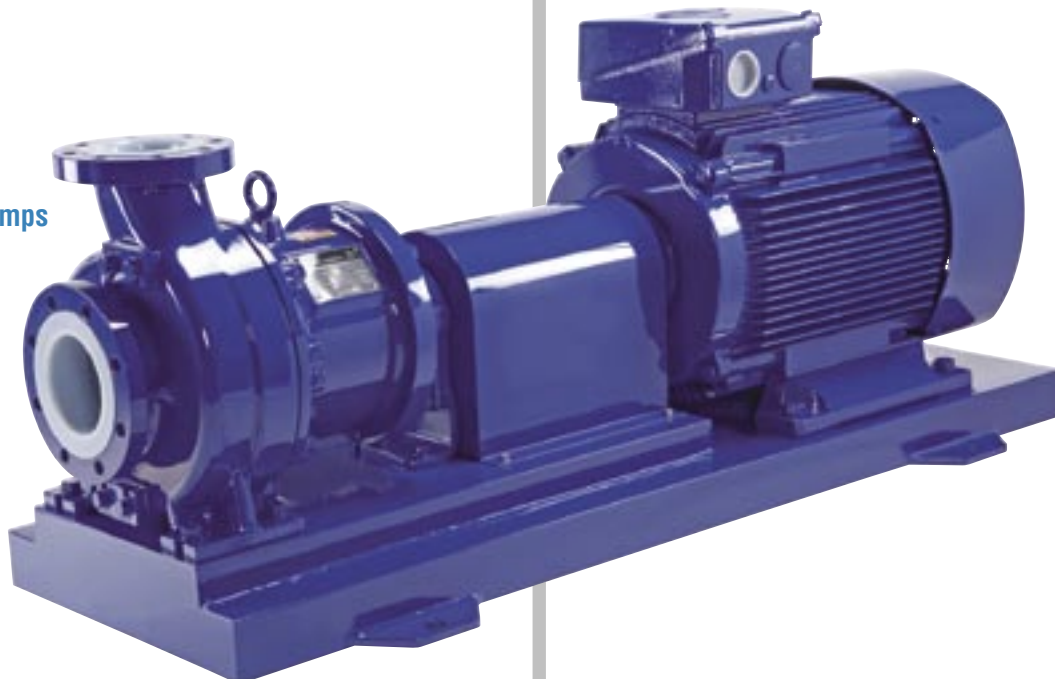
Magnetic drive pumps

MDW SERIES

The world's largest-class
fluoroplastic magnetic drive pumps

Specifications

- Max. discharge capacity: 300 m³/hr
- Max. discharge head: 98 m
- Main materials: ETFE, PFA
- Liquid temp. range: -10 to 105°C (ETFE)
-10 to 120°C (PFA)



Magnetic drive pumps

MX/MX-F SERIES

Withstands difficult operating
conditions and offers high efficiency

Specifications of MX

- Max. discharge capacity: 31.2 m³/hr
- Max. discharge head: 35 m
- Main material: GFRPP
- Liquid temp. range: 0 to 80°C

Specifications of MX-F

- Max. discharge capacity: 30.6 m³/hr
- Max. discharge head: 29 m
- Main material: CFRETFE
- Liquid temp. range: 0 to 80°C



Magnetic drive pumps

SMX/SMX-F SERIES

Versatile self-priming
magnetic drive pumps

Specifications of SMX

- Max. discharge capacity: 26.4 m³/hr
- Max. discharge head: 25.8 m
- Self-priming height limit: 4 m
- Main material: GFRPP
- Liquid temp. range: 0 to 80°C

Specifications of SMX-F

- Max. discharge capacity: 16.8 m³/hr
- Max. discharge head: 16.3 m
- Self-priming height limit: 4 m
- Main material: CFRETFE
- Liquid temp. range: 0 to 80°C



Magnetic drive pumps



Magnetic drive turbine pumps

MDK SERIES

Turbine magnetic drive pumps
designed for process use

Specifications

- Max. discharge capacity: 4.8 m³/hr
- Max. discharge head: 50 m
- Main materials: SCS14, SUS316
- Liquid temp. range: 0 to 80°C



Magnetic drive turbine pumps

MDT SERIES

Compact size
but high pressure of 0.35MPa

Specifications

- Max. discharge capacity: 17 L/min
- Max. discharge pressure: 0.35 MPa
- Main materials: GFRPPS, CFRPPS, CFRPEEK
- Liquid temp. range: -20 to 95°C



Magnetic drive pumps

MD/MD-F/MD-V SERIES

Highly reliable
compact magnetic drive pumps

Specifications of MD

- Max. discharge capacity: 135 L/min
- Max. discharge head: 14.3 m
- Main material: GFRPP
- Liquid temp. range: 0 to 80°C

Specifications of MD-F

- Max. discharge capacity: 125 L/min
- Max. discharge head: 14.3 m
- Main material: CFRETFE
- Liquid temp. range: 0 to 80°C

Specifications of MD-V

- Max. discharge capacity: 135 L/min
- Max. discharge head: 14.3 m
- Main material: CFRPVDF
- Liquid temp. range: 0 to 80°C



Direct drive pumps

RD SERIES

Easy-to-Install canned motor pumps

Specifications

- Max. discharge capacity: 20 L/min
- Max. discharge head: 10 m
- Main materials: PPE, GFRPP
- Liquid temp. range: 0 to 85°C



Electromagnetic metering pumps

EH-F SERIES

Max. flow 2,000 ml/min

Specifications

- Max. discharge capacity: 2,000 mL/min
- Max. discharge pressure: 1.0 MPa
- Main materials: PVC, GFRPP, SUS316, PVDF
- Liquid temp. range: 0 to 40°C (PVC)
0 to 60°C (GFRPP, SUS, PVDF)



Electromagnetic metering pumps

EWN SERIES

The high-end electromagnetic metering pumps

Specifications

- Max. discharge capacity: 420 mL/min
- Max. discharge pressure: 1.7 MPa
- Main materials: PVC, GFRPP, SUS316, PVDF
- Liquid temp. range: -10 to 40°C (PVC)
-10 to 60°C (GFRPP, SUS, PVDF)



Electromagnetic metering pumps

EWN-W SERIES

Water quality control functions and multi voltage operation

Specifications

- Max. discharge capacity: 420 mL/min
- Max. discharge pressure: 1.7 MPa
- Main materials: PVC, GFRPP
- Liquid temp. range: 0 to 40°C (PVC)
0 to 60°C (GFRPP)



Electromagnetic metering pumps

EH-E SERIES

Providing a wide range of flow rates

Specifications

- Max. discharge capacity: 1,250 mL/min
- Max. discharge pressure: 1.0 MPa
- Main materials: PVC, GFRPP, SUS316, PVDF
- Liquid temp. range: 0 to 40°C (PVC)
0 to 60°C (GFRPP, SUS, PVDF)



Metering & dosing



EWN series

Electromagnetic metering pumps

ES SERIES

Easy- to-use electromagnetic metering pumps

Specifications

- Max. discharge capacity: 400 mL/min
- Max. discharge pressure: 1.0 MPa
- Main materials: PVC, GFRPP, PVDF
- Liquid temp. range: 0 to 40°C (PVC)
0 to 60°C (GFRPP, PVDF)

Bellows pumps

KB SERIES

Compact bellows pumps best suited for built-in equipment application

Specifications

- Max. discharge capacity: 1,450 mL/min
- Max. discharge pressure: 0.1 MPa
- Main materials: GFRPP, PP
- Liquid temp. range: 0 to 60°C (KB)
0 to 40°C (KBA, KBR)

pumps pumps

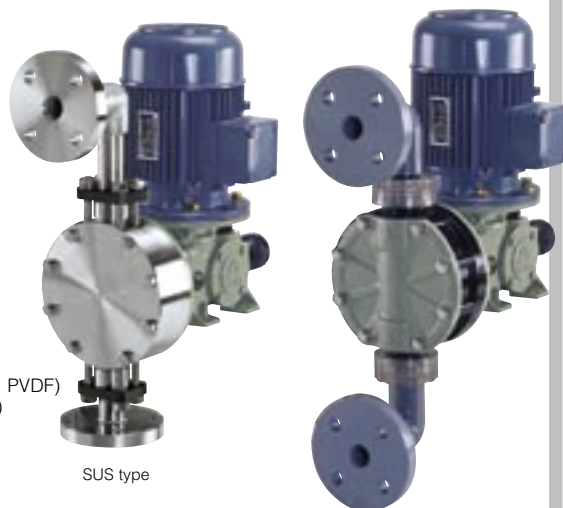
Metering pumps

○ LK SERIES

Process-metering pumps for durability and economy

Specifications

- Max. discharge capacity: 45 L/min
- Max. discharge pressure: 1.0 MPa (PVC, PVDF)
1.5 MPa (SUS)
- Main materials: PVC, SUS316, PVDF
- Liquid temp. range: 0 to 50°C (PVC)
0 to 80°C (SUS)
0 to 50°C (PVDF)



SUS type

PVC type

Hi-Techno Pump

○ IX SERIES

**Solution to every chemical dosing situation
The evolutionally-advanced metering pump debuts.**

Specifications

- Max. discharge capacity: 2.5 L/min
- Max. discharge pressure: 0.4 MPa
- Main material: PVDF
- Liquid temp. range: 0 to 50°C



Hicera pumps

○ V SERIES

**Super precision & super stability valve-less
dispensing pump**

Specifications

- Max. discharge capacity: 1.4 L/min (Duplex model: 2.8 L/min)
- Max. discharge pressure: 0.7 MPa
- Main materials: SiC, ZrO₂, Al₂O₃, SUS316
- Liquid temp. range: 0 to 80°C

Duplex model

High transmission efficiency driving mechanism (Pat. Pend) is employed to efficiently combine the discharge volume of two pump heads resulting in low pulsation.

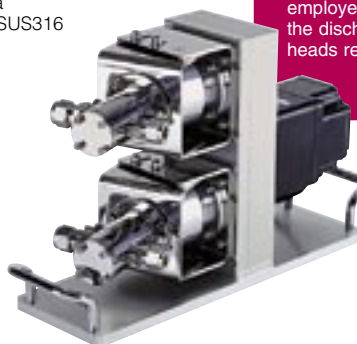


KBA

KBR



V-05



V-15 · Duplex model

Chemical replenishing pumps

CFD

High-precision chemical replenishment pump systems constructed entirely of fluororesin

Specifications of CFD

- Max. discharge capacity: 8 mL/stroke
- Max. discharge pressure: 0.05 MPa
- Max. stroke speed: 30 spm
- Main materials: PTFE, PFA
- Liquid temp. range: 20 to 60°C



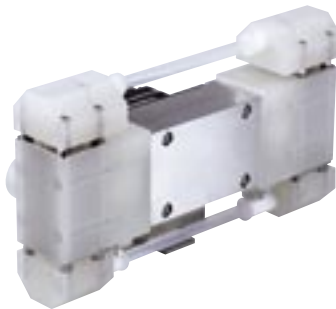
CMP slurry pumps

CSP SERIES

CMP slurry liquid transfer by use of a pump with a long working life

Specifications

- Max. discharge capacity: 500 mL/min
- Max. discharge pressure: 0.2 MPa
- Max. stroke rate: 210 spm
- Main materials: PP, EPDM
- Liquid temp. range: 0 to 40°C



Pneumatic drive bellows pumps

FS SERIES

Compact and high pressure pneumatic drive bellows pumps for semiconductor manufacturing processes

Specifications

- Max. discharge capacity: 55 L/min
- Max. supplied air pressure: 0.5 MPa
- Max. stroke rate: 240 spm
- Main materials: PTFE, PFA
- Liquid temp. range: 5 to 180°C



Pneumatic drive bellows pumps

FS-N SERIES

Max. 100 L/min. A high flow model for chemical supply process.

Specifications

- Max. discharge capacity: 100 L/min
- Max. supplied air pressure: 0.7 MPa
- Max. stroke rate: 200 spm
- Main materials: PTFE, PFA
- Liquid temp. range: 5 to 60°C



Chemical gear pumps

GM-V SERIES

Internal gear pumps incorporating fine-ceramic gears

Specifications

- Max. discharge capacity: 18 L/min
- Max. discharge pressure: 0.5 MPa
- Main materials: SiC, PVC
- Liquid temp. range: 0 to 50°C
- Viscous liquid: 0.5 to 50 mPa·S



Semicon
process

pumps



Magnetic drive gear pumps

MDG SERIES

Compact gear pumps
Featuring superior durability

Specifications

- Max. discharge capacity: 14 L/min
- Max. discharge pressure: 0.6 MPa
- Main materials: SUS316, PPS
- Liquid temp. range: 0 to 95°C
- Ultimate vacuum: Max. 5.3 kPa



MDG-R2



MDG-R15

Air pumps

ductor pumps

Air pumps

APN SERIES

Diaphragm type air pump
highly suited to system integration

Specifications

- Max. discharge capacity: 100 L/min
- Max. discharge pressure: 0.2 MPa
- Max. vacuum: 3.33 kPa
- Main materials: FKM, EPDM, NBR, PTFE



Air pumps

APN-W SERIES

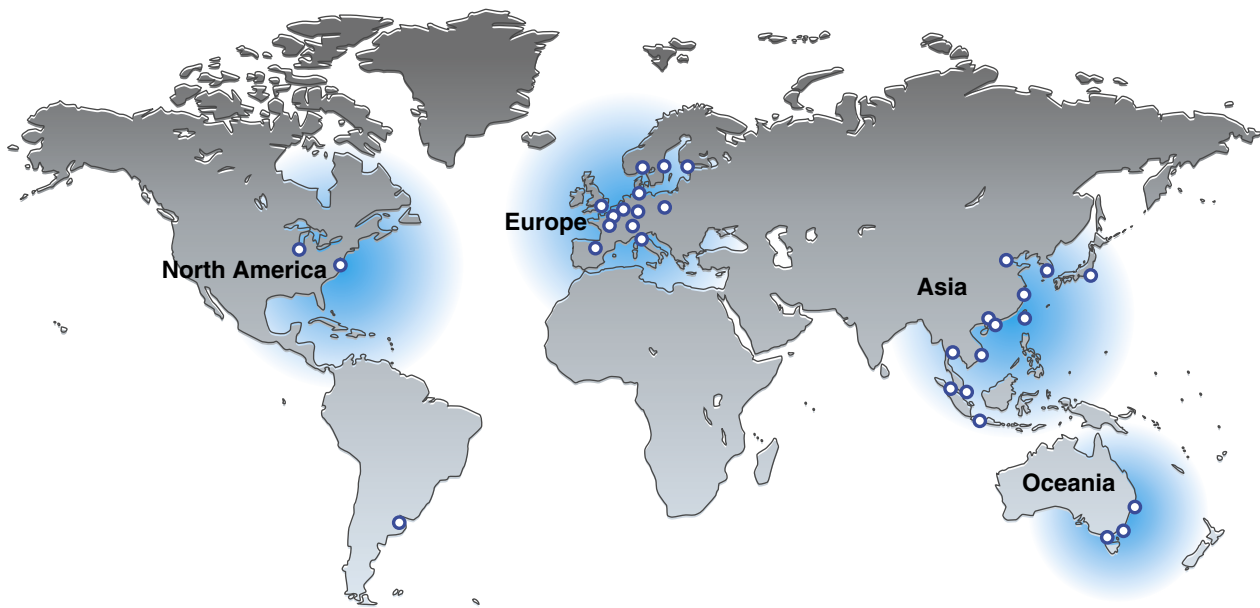
The air pump transfers liquid
as well as gas

Specifications

- Max. discharge capacity: 1.2 L/min
- Max. discharge pressure: 0.08 MPa
- Max. vacuum: 47.99 kPa
- Main materials: GFRPP, FKM, EPDM
- Liquid temp. range: 5 to 40°C



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()Country codes



IWAKI Saitama plant



IWAKI Miharu plant



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

www.iwakipumps.jp

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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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