



## ***OEM Product Capabilities***

**Pump Solutions From a World Leader**



*Thermal Management*



*Medical Equipment*



*Chemical Processing*



*Fuel Cells*



*Semiconductor*



*Water Treatment*



*Marine*



This brochure represents only a few of the pumps that Iwaki has developed. Call your local Iwaki America sales representative for additional details.





## **MD/WMD SERIES**

### Magnetic Drive Centrifugal Pumps

- ◆ Flowrates up to 36 GPM and head to 67 FT
- ◆ Magnetic drive sealless design
- ◆ Quality construction for high efficiency and low hydraulic noise
- ◆ Variety of pump/motor configurations and materials-Polypropylene, ETFE, PVDF
- ◆ AC standard / DC per request (Brush and brushless)
- ◆ OEM systems including chiller and filtration



## **MX SERIES**

### Magnetic Drive Centrifugal Pumps

- ◆ Flowrates up to 130 GPM
- ◆ Heads up to 126 FT
- ◆ Patented split volute casing
- ◆ Improved efficiency and performance
- ◆ AC or DC motor options
- ◆ OEM systems including filtration, reclamation, and circulation



## **RD SERIES**

### Direct Drive Pumps

- ◆ Flowrates from 1.1 to 5.3 GPM
- ◆ Heads from 10 to 33 FT
- ◆ 24V Brushless DC (12 VDC option available)
- ◆ Compact, sealless canned motor design
- ◆ Long life in excess of 25K hours
- ◆ Low noise (as low as 40 dB)
- ◆ Only one moving part (impeller/rotor)
- ◆ Fuel cells, chillers / heaters / laser cooling



## **MDG/RDG SERIES**

### Magnetic Drive Gear Pumps

- ◆ Flow rates up to 5.5 GPM
- ◆ Pressures up to 87 PSI
- ◆ AC and DC motor options
- ◆ Compact sealless design
- ◆ High temperature capability up to 203°F
- ◆ DC speed control optional



## **APN SERIES**

### Liquid/Gas Diaphragm Pumps

- ◆ Flowrates up to 600 ml/min (liquid)
- ◆ Flowrates up to 1200 ml/min (Air/gas)
- ◆ Pressures up to 11.6 PSI
- ◆ Vacuum up to 14 - 26 in Hg
- ◆ Long life diaphragms
- ◆ Compact DC motor driven designs
- ◆ Maintenance-free design
- ◆ Superior self-priming
- ◆ Designed for medical and chemical / laboratory analyzer equipment



## **APN SERIES**

### Air Diaphragm Pumps

- ◆ Flowrates up to 110 LPM (Air/gas)
- ◆ Pressures up to 29 PSI
- ◆ Vacuum up to 30 in Hg
- ◆ Long life diaphragms
- ◆ Maintenance-free design
- ◆ AC or DC motor options
- ◆ Specializing in custom configurations
- ◆ Can be used as a compressor or vacuum pump
- ◆ Designed for medical and chemical / laboratory analyzer equipment



**Our wide range of pump technologies at your service!!!**



## **MDT SERIES**

### Magnetic Drive Turbine Pumps

- ◆ Flowrates up to 5.3 GPM
- ◆ Temperatures up to 203°F
- ◆ Heads up to 51 PSI (0.35 Mpa)
- ◆ Magnetically driven turbine pump with no shaft seals
- ◆ Applications where low flow/high head is required
- ◆ Vacuum capability of up to 8 kPa
- ◆ Liquid end parts are all non-metallic (PPS, PEEK, Ceramic and Carbon)



## **V SERIES**

### Valveless Plunger Hicera Pumps

- ◆ Flowrates up to 409 ml/min
- ◆ Pressures up to 101.5 PSI
- ◆ Motors available in 115/230V and 24 VDC
- ◆ Temperature range of 32 - 250°F
- ◆ Body material is SUS 304/316.
- ◆ Compact, extremely precise, valveless plunger pump
- ◆ Capable of handling slurries & high viscous fluids
- ◆ Designed for medical & food handling equipment as well as injection of ultra pure water



## **KB/KBA & SP/DP SERIES**

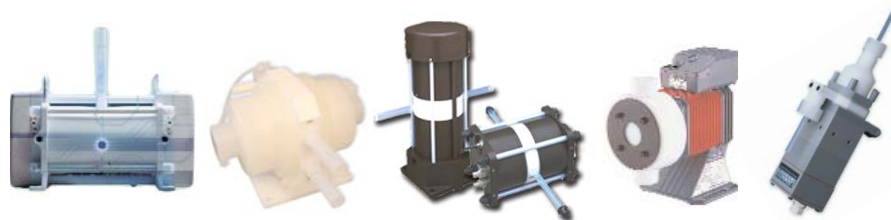
### Bellows Pumps

- ◆ Flow rates up to 4200 ml/min
- ◆ Pressures up to 10 PSI
- ◆ Driven by electric gear motor
- ◆ Bellows are in Polypropylene
- ◆ Compact and extremely reliable
- ◆ Simple design, Low maintenance
- ◆ Simplex, duplex or multiplex design



## **SEMICONDUCTOR PUMPS GROUP**

Iwaki quality and reliability are unsurpassed in the semiconductor market. Our worldwide recognized bellows pump designs are engineered to handle the circulation, filtration, precision metering and dispensing of aggressive, high temperature and highly volatile fluids. We also offer engineered solutions for complex photo resist applications. The Iwaki name is synonymous with the best products in the industry. Please call your Iwaki America sales representative for specific information.



**Our wide range of pump technologies at your service!!!**



## Our company

Iwaki America Inc. is one of over 20 global centers for the manufacturing and support of Iwaki pumps. Our 50 plus years of pump design engineering has made us a world-wide leader of the best chemical handling equipment used in OEM, Industrial, Chemical Process and Semiconductor applications. Iwaki America, along with Walchem Corporation share a state-of-the-art manufacturing facility in Holliston, Massachusetts.



**WALCHEM**

Located 30 miles southwest of Boston, Iwaki America Inc. and Walchem Corporation are strengthened by sharing combined administration and corporate management resources, yet each company maintains and focuses on its own research and development, sales, customer service and manufacturing. Our modern facility provides enhanced communications between all departments and allows for enthusiastic and productive employees, many of whom have been with the company for decades. We utilize the best data management techniques to serve our customers in the excellent manner they have come to expect from us.

Our headquarters in Holliston, MA (USA)



## Introduction

It takes decades to become an expert. For over 50 years, OEM design engineers have utilized Iwaki's unmatched expertise in pumps by consulting with us early in the design process. Co-engineering, partnering, simultaneous design and other terms are now applied to the same tenet: getting the OEM supplier involved early in product design to minimize development time and maximize use of the supplier's unique knowledge. It is a process familiar and comfortable to Iwaki.

## Applications

Applications for our custom engineered line of OEM pump products include liquid/gas handling and precision metering for biomedical instrumentation, chemical dispensing and circulation in semiconductor manufacturing, coolant circulation in fuel cells, laser chillers and other thermal management systems, safe handling of aggressive fluids for chemical process and general industrial requirements.

## Customer Service

Iwaki is willing and able to support applications for OEM manufacturers from a wide range of industries. You'll find Iwaki pumps in products all over the world. From Fortune 500 manufacturers to small startup ventures, we are eager to help and provide the best solutions and highest quality products in the industry. We are well equipped and knowledgeable about your fluid handling requirements. Whatever your requirements are, the engineers at Iwaki can deliver the product you need.

## Capabilities

From our automated ISO 9001 manufacturing facilities to our Class 10,000 Clean rooms, Iwaki has earned its reputation as the leader for intelligent sealless pump technology. IWAKI is a leader in quality and design innovation in the OEM pump industry. We manufacture high-purity metering, chemical delivery, and re-circulation pumps, as well as non-metallic magnetic drive centrifugal pumps and systems. Our customers rely on us for proven engineered solutions to a vast range of fluid handling and dispensing challenges.

## Quality Statement

Iwaki America recognizes the importance of providing true value to its customers from the initial stages of design specification review to manufacturing and support of the final product. It is our goal to provide the best technical solution possible and the highest quality product in every pump design we produce. With over 900,000 pumps manufactured annually our quality has been proven by our customers' satisfaction and documented defect rate of less than 0.01 %.

All products are manufactured under an ISO9001:2000 quality system with the required design process, materials control and manufacturing documentation in place to certify our products will meet the performance and quality specifications required by our users.

Our organization's commitment to quality is integral with our mission statement reinforcing the importance of providing superior products and, just as important, superior customer service. This is further evident in our value-added technical assistance and the goal of a long-term partnership with all of our customers. We are continually looking for opportunities to improve our skills, our products, and our systems to ensure our customers' expectations are always met or exceeded. Iwaki quality is not just in the physical product, but also in every aspect of our business.

