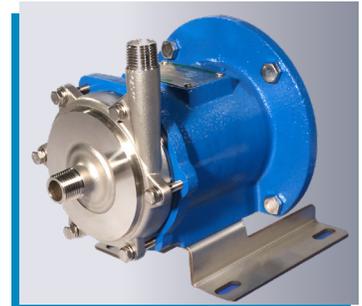


Circulation Pumps for Thermal Management Applications



The Iwaki Advantage:

- **Precision Temperature Control**

Iwaki Pumps utilize a unique dual-bearing system that reduces heat generation and helps systems maintain better than 1% accuracy on temperature set-points

- **Extend Laser Life**

Iwaki pumps are equipped with the latest Fluoropolymer (PTFE) materials which offer improved wear characteristics, contribute to a cleaner fluid path on your system and help extend the life of laser systems

- **Reduce System Noise**

Iwaki pumps are equipped with state-of-the-art BLDC or permanent split-capacitor AC motors that run quieter (as low as 40 dB), cooler and longer than other pump motor designs

- **Ease of Integration**

Iwaki pumps combine compact direct drive designs with build-in DC drivers, multiple mounting configurations (including heads-up) and optional fluid connections, making it easy to find a home for these pumps.



High Quality pumps, compact and simple to use

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

Direct drive pumps

NRD SERIES, DDC SERIES



- Flow rates up to 18.5 GPM
- Heads up to 62.3 FT
- 24V Brushless DC (12VDC 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

Max. discharge capacity	18.5 GPM (70 l/min)
Max. discharge head	62.3 FT (19 m)
Power voltage	NRD: 24 VDC DDC: 12 VDC
Main materials	PPS, GFRPP, FKM, 316TI SS, EPDM, Ceramic

Magnetic drive pumps

MD SERIES



- Flow rates 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

Max. discharge capacity	36 GPM (135 l/min)
Max. discharge head	47 FT (14.3)/67 FT (20.3 m)
Power voltage	100, 115, 230 VAC
Wet ends	GFRPP or PVDF or ETFE

Magnetic drive pumps

MX SERIES



- Flow rates 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

Max. discharge capacity	130 GPM (492 l/min)
Max. discharge head	126 FT (38 m)
Power voltage	115, 230 VAC
Main materials	GFRPP, CFRETFE

Magnetic drive gear pumps

MDG-R2 24 VDC



- Flow rates up to 1.8 l/min
- Pressures up to 43.5 PSI
- AC and DC motor options
- Compact sealless design
- Liquid temperature capability up to 203°F
- Brushless DC motor with built-in driver

Max. discharge capacity	1.8 l/min
Max. discharge pressure	43.5 PSI (0.3 MPa)
Power voltage	24 VDC
Main materials	SUS, PPS

Magnetic drive turbine pumps

MDT SERIES



- Flow rates up to 5.3 GPM
- Temperatures up to 203°F
- Heads up to 51 PSI
- 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

Max. discharge capacity	5.3 GPM (20 l/min)
Max. discharge head	51 PSI (0.35 MPa)
Power voltage	115, 230 VAC
Main materials	PPS, PEEK, Ceramic & Carbon

Iwaki Sanwa metallic mag drive pump

MMP SERIES



- 4°F to 248°F Standard temperature range
Consult factory for low/high temperature (-112°F to 536°F) applications
- All 316 Stainless Steel construction
- One piece machined rear casing provide extra strength

Max. discharge capacity	24 lpm
Max. discharge head	30.4m/100 ft
Power voltage	100, 115, 230, 460 VAC (Nema/IEC Frame)
Main materials	SUS, PTFE

