



IWAKI



Diagnostic Analyzer Cleaning Efficiency

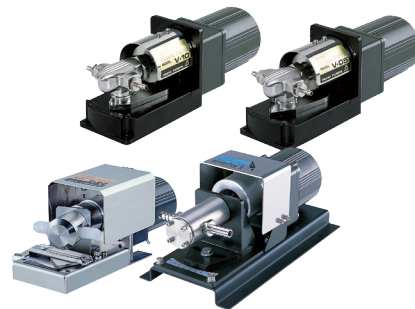
As next-generation test labs do more with less, analyzer designs are becoming smaller, faster, and quieter; the need for maintenance-free, compact, high-quality, low-noise, cleaning pumps is becoming increasingly more important.

Iwaki Pump Advantages

- **Reduce Reagent Costs**
Iwaki pumps are designed to help reduce reagent costs by handling the higher pressures associated with cleaning smaller injection pipettes.
- **Eliminate Maintenance Costs**
Iwaki diaphragm and plunger pumps are designed to extend the life of cleaning fluidic systems. Built with chemically inert materials and combined with over 40,000 hours of maintenance-free operation, Iwaki pumps can eliminate the need for costly maintenance associated with syringe pumps.
- **Compact Pump Design**
Iwaki miniature pump heads are dimensionally compatible with competitive designs for ease of retro-fit. Iwaki pumps use high efficiency BLDC motors (brushed motors available) and can be mounted in multiple orientations to ensure a custom fit in your equipment.

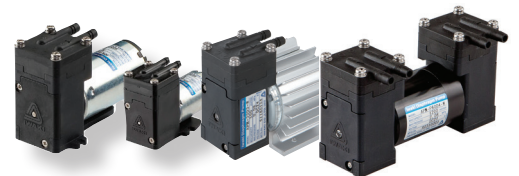
Hicera Pumps

- Flow Rates up to 1682 ml/min
- Pressures up to 101.5 psi
- Temperatures up to 140° F
- Precision metering accuracy better than 1%
- Repeatability better than 0.5%



APN-W Pumps

- Flow rates up to 1000 ml/min (liquid) 2400 ml/min (gas)
- Pressures up to 11.6 psi / Vacuum up to 14-26 in Hg
- BLDC or Brushed DC Motor options
- Long life diaphragms
- Solids handling capability



MDG Pumps

- Flow rates up to 4.5 gpm
- Pressures up to 87 psi
- Temperatures up to 203° F
- Compact Sealless design



Five Boynton Road • Holliston, MA • 01746 USA • Tel: 508-429-1440 • Fax: 508-429-1386
www.iwakicustompumps.com • www.iwakiamerica.com • info@iwakiamerica.com

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