

YASKAWA

iQ PUMP[®] APPLICATIONS

DEFINING THE NEW STANDARD FOR
PUMP CONTROL AROUND THE WORLD

IT'S PERSONAL

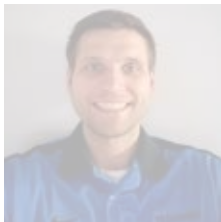
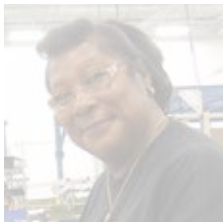
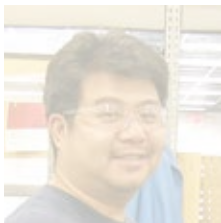
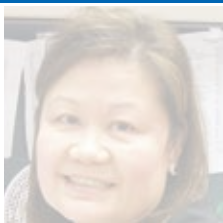


IT'S PERSONAL YASKAWA

“It’s Personal” means each Yaskawa associate is committed to providing you with a great experience every time you deal with us.

We train our people, we treat our customers, we design, engineer and manufacture our products in ways that say everything we do matters. And, when your job is to make sure that everything that matters is done well, you take that pretty personally.

We commit to that at Yaskawa. We can make it happen. Because to us, our relationship with you is personal.



iQPUMP®

The Smart Choice for Pump Control and Protection



Take Back Control
of your Pump and
Process.

Yaskawa's family of iQpump drives offers a wide variety of package options and the most advanced comprehensive pump and motor protection in the industry.

The iQpump series from Yaskawa is your total pumping solution for whatever your system demands, while maintaining the simple pump terminology programming customers have come to expect.

Dedicated and field-proven integrated pump functionality makes system integration easy and efficient.

- Intuitive pump terminology keypad with simplified application pump macros guides user through commissioning and startup
- Reduces wear on pumps and motors
- Keep pumps working at optimum efficiency points
- Controlled acceleration / deceleration minimizes water hammer in pipelines
- Reduces voltage draw down on power lines at start up
- Eliminates need for pump control valves in many instances
- Controls pump to deliver accurate flows or constant pressures
- Convert utility single-phase input power to three-phase output

iQPUMP® MAKES LIFE BETTER

Real life applications. Real life results

GOLF COURSE IRRIGATION



iQpump was used to replace systems utilizing clay valves to regulate pressure. The golf course was able to cut flow rate to 75%, even to 50% at times, resulting in great energy savings.

CROP IRRIGATION



Flow and pressure adjustments are made easier by focusing on water management and controlling pump speed. Over-utilization of water supply and fertilizer can also be avoided.

BOOSTER/LIFT STATIONS



Advantages over constant speed systems: reduced energy consumption, constant pressure supply, improved system control/operation, steady-state flow, water hammer, reduced component wear, increased pump life.

OFFICE PARK IRRIGATION



Unhooking from city water and submersing pumps into two retention ponds saved an office park thousands of dollars in the first six months. Installing iQpump also produced more consistent pressure control.

GEO THERMAL SYSTEMS



Earth's ground can be used as an energy source in many ways when harnessed to provide environmental cooling and heating—including generation of power.

WATER TOWER & STORAGE TANKS



Maintain even water pressure distribution in the pipeline by controlling water level in the tank.

DESALINATION PROCESSING PLANTS



Converting ocean water to drinking water requires high pressure pumps and filtering systems. Accurate flow and pressure control maximize the efficiency of producing clean drinking water.

CENTRIFUGAL AND VERTICAL TURBINE PUMPS



No matter the pump type, iQpump has the onboard intelligence to control and protect your investment.

SUBMERSIBLE PUMPS



iQpump anti-jam feature allows for automatic clearing of silt or sand that has entered the well screen and has lodged within the impeller of the pump.

WATER/WASTE WATER TREATMENT



Disruptions, fluctuations, and uneven flow can strain the system. Drives regulate all parts of the process from mixers, RAS pumps, chemical feed pumps, blowers, aerators and other equipment.

RETROFIT

Triplex 7.5HP Pressure Booster Upgrade in a Michigan Cancer Hospital

Obtain constant pressure / flow control of simplex or multiplex pump systems with one drive solution. Replace complex electromechanical switch gear and outdated PLCs with iQpump for a fully configurable, intelligent pumping system.





LIFETIME SAVINGS

“We never know what we’re going to run into on a visit. But, we do know the customer is going to want to save energy costs and reduce system wear and tear. Yaskawa brings us a drive that’s better than anything out there to make that happen.”

Steve Hougak, Steve’s Pump Service

FLEXIBILITY

“Engineers like products they will be able to add on to for years to come. That’s a big selling advantage with the iQpump.”

Glenn Wilkerson, McGee Well Drilling

SUPPORT

“You call a tech department for support, you’re going to get technical support. You call Yaskawa, you get guys that understand how things work in the real world.”

Mike Hexamer, Preferred Pump & Equipment

INNOVATION

“With Yaskawa, I call them for perspective and insight on funky applications. We feed off of each other to come up with solutions.”

Tyler Fields, Valley Water Management

PRODUCT SOLUTIONS

“When we call Yaskawa, we are never left waiting. As an OEM in packaged systems, that’s invaluable.”

Dale Jernigan, GICON Pumps & Equipment

INTEGRATION

“The Yaskawa iQpump drive is a product that perfectly mixes reliability, innovation and support. Yaskawa has proven they have the ability to quickly integrate current pumping technologies without all the hassles and expense of other options on the market.”

Craig Atkins, Dykman Electrical

YASKAWA.COM



Yaskawa is the leading global manufacturer of low and medium voltage variable frequency drives, servo systems, machine controllers and industrial robots. Our standard products, as well as tailor-made solutions, are well known and have a high reputation for outstanding quality and reliability.

YASKAWA

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