

iQPUMP[®] APPLICATIONS

DEFINING THE NEW STANDARDS FOR
PUMP CONTROL AROUND THE WORLD



iQPUMP[®] SERIES

THE SMART CHOICE

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

Real life applications. Real life results. **iQpump makes life better.**



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 including: reduced energy consumption, constant pressure supply, improved system control and operation, steady-state flow, water hammer, reduced wear and damage to system components, and 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 resulted in more consistent pressure control.



Geothermal 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 Tanks/Storage Tanks

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



Desalinization Process Plants

Converting ocean water to clean drinking water requires the use of high pressure pumps and filtering systems. Accurate flow and pressure control are required to 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.



Ground Water 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 in the process of treating water can strain the entire system. Drives provide the means to regulate all parts of the process from mixers, RAS pumps, chemical feed pumps, blowers, aerators and other critical pumping 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.”

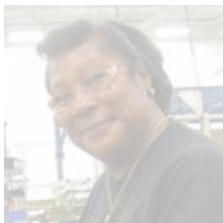
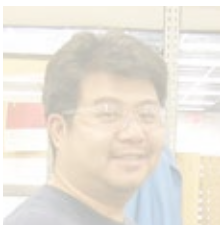
Craig Atkins, Dykman Electrical

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.





Yaskawa is the leading global manufacturer of inverter drives, servo drives, machine controllers, medium voltage inverters 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