

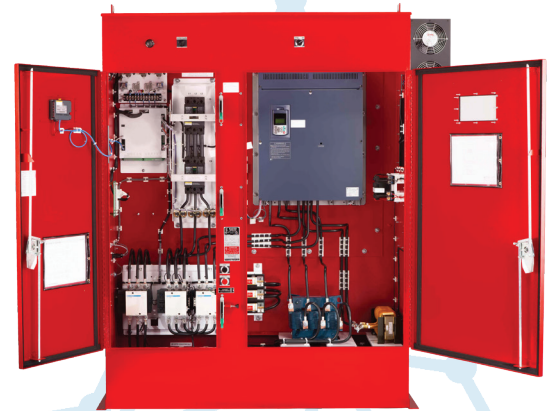
- Reach the **PINNACLE** of **Performance** and **Reliability**

## Master Fire Pump Controllers with FRENIC-MEGA

Fire pump controllers are located in the fire-pump room. In case of fire, the controller will receive a signal from the pressure transducer and start the fire pump. So, performance and reliability in these systems is critical to building safety. When Master Control Systems developed the first variable frequency drive (VFD) fire pump controller in the world, they turned to Fuji Electric for our world-class FRENIC-MEGA solution.

### The VFD Fire Pump Controllers Advantage

Master Control Systems sought to use VFDs in their systems as a means to improve performance. Specifically, using a PID loop, a VFD system can control the speed of the motor to hold the output pressure of the fire pump constant under any flow. This creates a "regulated" fire pump curve that vastly changes how designers layout the fire sprinkler system in a building.



### Placing Users First

Since Master Control Systems has an exceptional quality reputation in the industry, they needed a VFD manufacturer with an equally high-quality reputation. They selected Fuji Electric's FRENIC-MEGA due to the high quality, reliability, and longevity design. Master Control Systems has been using Fuji Electric AC drives for over 20 years with VFD controllers specified and installed at the most prestigious universities, hospitals, and at the largest distribution warehouses in the US.



The background of the entire page is a high-speed photograph of water. It features numerous suspended water droplets of various sizes, some in sharp focus and others blurred. In the lower center, there is a prominent splash of water, with a column of water rising and droplets falling from it. The overall color palette is dominated by shades of blue and teal, with the red text boxes providing a strong contrast.

## ● About Fuji Electric Corp. of America

Fuji Electric Corp. of America is a wholly owned subsidiary of Fuji Electric Co., Ltd., and has been responsible for sales and distribution of the company's products since 1970. Fuji Electric Co., Ltd. Began developing power electronics equipment in 1923, and is a global leader

## ● About Master Control Systems

Master Control Systems has been Leading the Way in Fire Safety since 1965. We manufacture Fire Pump Controllers for fire sprinkler systems entirely within the US.

Because our Controllers are designed with innovative features that benefit the user and are engineered for long term reliability, we call our product line "The Intelligent Choice". Our controllers, including our invention - the Variable Speed Fire Pump Controller, meet and exceed the requirements of NFPA 20, UL, and FM.

[www.mastercontrols.com](http://www.mastercontrols.com)