



CASE STUDY

INDUSTRY: HEALTHCARE



CUSTOMER: Regional Hospital

LOCATION: Upstate New York, USA

BACKGROUND: This comprehensive medical care institution has over 400 beds and provides primary, specialized and urgent care through the region.

The hospital was experiencing fluctuating water temperature to a MEDIVATORS® sterilization machine located in the facility's central sterilization. The lack of water temperature control was caused by a thermostatic mixing valve that was unable to provide accurate control at the required low flows.

SCOPE OF WORK: An Armstrong Emech® Digital Control Valve was recommended to replace the failed thermostatic mixing valve. The Emech® digital actuator delivers superior closed-loop performance in terms of speed, precision and reduced mechanical wear when compared to traditional mixing and control valve systems.

The 3-port mixing valve utilizes ceramic shear action disc technology to provide tight shut-off and high pressure differential capability. Fitted with the electronic actuator and integrated temperature sensor, the hospital can expect stable and precise water temperature control to the facility's central sterilization equipment.

BENEFITS: The Emech® Digital Control Valve has performed to the customer's satisfaction and provides control accuracy to $\pm 1^\circ\text{F}$ ($\pm 0.5^\circ\text{C}$) so the hospital no longer experiences temperature fluctuations that threatens sterilization processes.

Before Installation:



After Installation:



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