

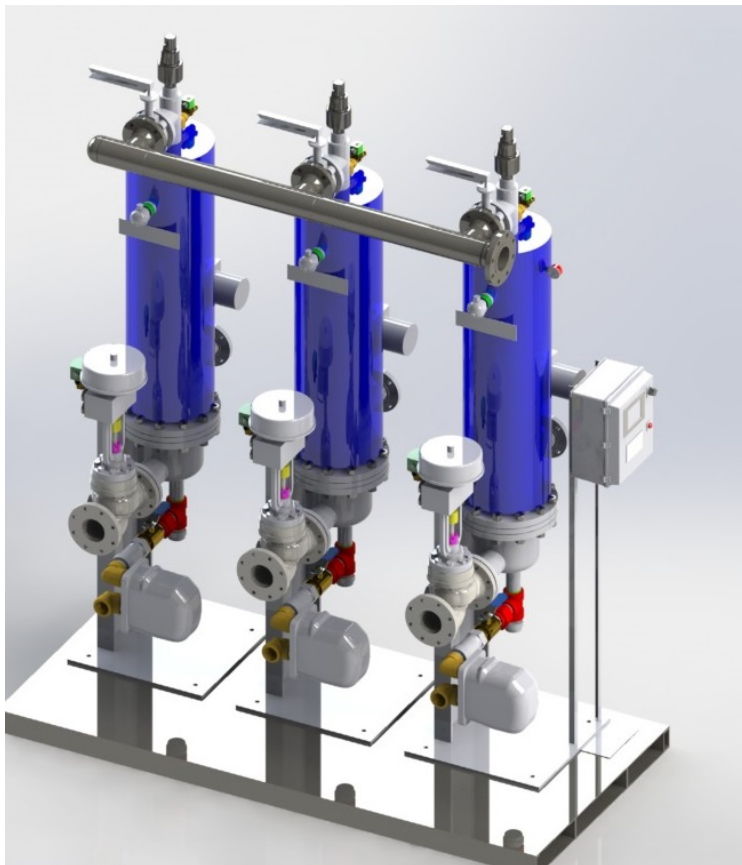
## **Patients In Hot Water**

### **Business Case**

A major new Hospital under construction in Ontario approached Steam and Thermal concepts asking for help for the production of hot water for their new project .

The solution had to meet the strategic goals of the project team who needs cost effective low maintenance solutions which were energy efficient and legionella free.

The systems division of Steam Specialty Sales stepped up and offered an innovative solution that fully met the project specification and financial targets.



### **Specification DHW heaters**

- **316 L construction**
- **Single wall design**
- **Local panel with PID controls and HMI screen**
- **Bacnet connectivity**
- **Pneumatic controls (DDC available)**
- **City water pre-heater**
- **Potable and non potable**
- **Anti Legionella design**
- **Low fouling with city water heated in the shell**
- **Steam bundle can be inspected in situ under pressure**
- **ASME VIII design 150 psig**
- **CRN and CSA**
- **Fully packaged skid mounted**



***Specification DHW mixing stations***

- ***180 USGPM capacity***
- ***Optional buffer tank***
- ***System return and city returns into mixing station***
- ***Fail safe mixers to cold port***
- ***Modular design***
- ***Controlled by single HMI panel***
- ***Bacnet connectivity through gateway***
- ***24v actuators***
- ***Flanged terminations***
- ***Continuous circulation***
- ***Lined buffer tank***
- ***Small footprint***

**Project Benefits**

The solution offered was 100% customized to meet the needs of the project team which had to deliver a DHW package which could handle the harsh water conditions typically found in this part of Ontario. The low fouling design takes boiler in the tubes and city water in the shell.

The local control panel offers ease of commissioning for the engineers and will assist the Hospitals FM maintenance staff in trouble shooting this important utility.

The accuracy of control will be +/- 2 Deg F at the outlet of the buffer tank and will be free of Legionella. The industrial grade of the equipment supplied should outlast all the gas fired units on the project.

The packages are available with electric controls and with copper and copper nickel heating elements.