

PEEL MEMORIAL CENTRE HOSPITAL

BRAMPTON | ON



NXP SIMULTANEOUS UNITS

The redevelopment of the Old Peel Memorial Hospital in Brampton is almost complete. The hospital will be a state of the art Leed Gold facility. The HVAC equipment that was chosen in order to attain Leed Silver Status was the Aermec NXP simultaneous water to water units.

Three NXP simultaneous units provide 400 tons of heating and cooling were installed in order to take advantage of the varying conditions in the hospital. As in all hospitals, there is a constant demand for heating and cooling and this is where the NXP shines. The NXP units use a geo loop when required but most of the time they are just moving heating and cooling loads around the hospital. The NXP units are self contained and they monitor supply water, return water, as well as the geo source and also bring pumps on and off as required in order to keep the building comfortable.

The NXP also provides the maximum efficiency without moving any refrigerant through the building as the NXP units recover heating or cooling via water. The NXP also provides a very significant benefit compared to other equipment as it has three separate heat exchangers so that glycol is not needed on the building side of the heating or cooling loops. Also, the unit does not need any remote valves or special controls to control the loads.

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