

APPLICATION

NAME:	NAPER BOULEVARD LIBRARY
LOCATION:	2035 S. NAPER BLVD NAPERVILLE, IL 60565
SKIDMORE REP	ILLINOIS MECHANICAL
INSTALLING CONTRACTOR	HAYES MECHANICAL
SYSTEM	CLOSED LOOP HYDRONIC HEATING & COOLING
INSTALLATION DATE	MAY, 2016
X-POT MODEL	X-POT COMPACT



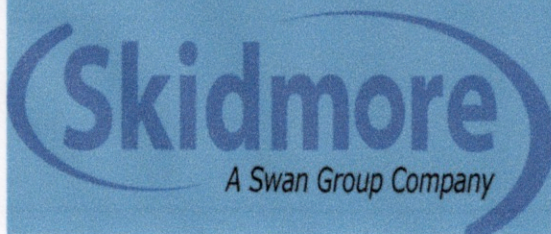
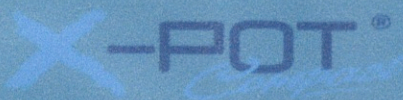
A NEW LEVEL OF WATER FILTRATION

When the Facilities personnel at the Naper Boulevard Public Library needed an answer to corrosion and a build-up of dissolved solids in the building's hydronic heating and cooling system, it was time for the old side-stream chemical feeder to go.

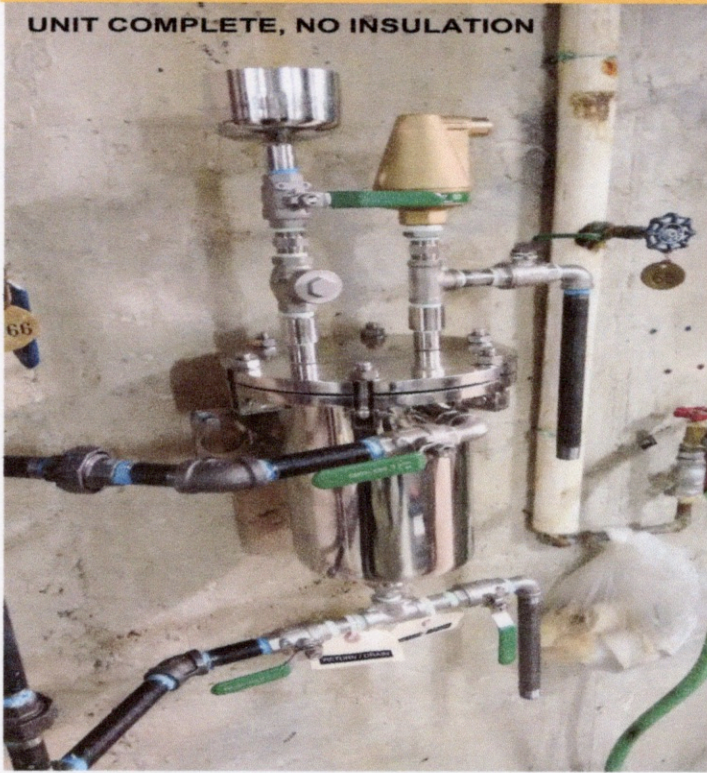
With the guidance of Illinois Mechanical, the Facilities team installed the latest technology in slip-stream filtration and water treatment – the X-POT from Skidmore.

Based on total system volume, the X-POT COMPACT was the appropriate product choice offering four (4) Rare Earth Magnets for the removal of magnetite, a Cartridge Filter for the removal of dissolved solids down to 100 microns

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UNIT COMPLETE, NO INSULATION



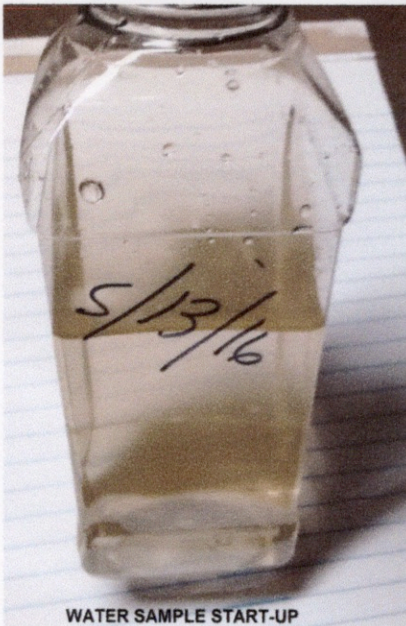
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and a dosing capacity of 1.18 gallons.

Wall-mounted, the X-POT COMPACT made for an easy retrofit. The unit is installed on the wall just below the main suction line system loop with all system piping running along the ceiling. The piping to the heating loop is typical of a new type installation with the return piped into the suction side of the pump and the inlet piped into the discharge side of the pump.

In less than two (2) weeks, the rare earth magnets had removed a measurable amount of magnetite from the system. Within eight (8) months, the system water was clear and almost unrecognizable compared to the baseline water sample taken at the time of installation. In addition, the 100 micron filter has collected a large amount of non-magnetic debris and a new 50 micron filter has recently been installed in the system.

X-POT COMPACT WALL MOUNTED RETROFIT INSTALLATION

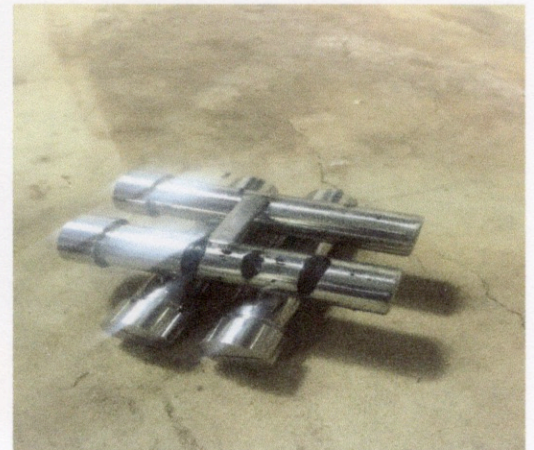


WATER SAMPLE START-UP



WATER SAMPLE EIGHT MONTHS

The Project Manager is pleased with the water clarity and the amount of debris the magnet and filter are removing from the system.



BUILD-UP OF MAGNETITE ON THE X-POT COMPACT'S FOUR RARE EARTH

