

# 232514S01 Glycol Systems

## 1.0 General

This standard applies to all glycol systems installed in PPDMC maintained buildings for energy recovery and/or HVAC systems.

## 2.0 Glycol concentration

Glycol systems are to be designed for using a 50% propylene glycol and 50% water mixture. The systems are to be designed so the required heat transfer can be achieved with the 50/50 mixture.

## 3.0 Make-up System

Every glycol system must have a make-up system for the addition of the glycol/water mixture to the overall system. The make-up system needs to have a mixing tank for mixing the glycol and water to maintain the 50/50 mixture in the system. The mixing tank is to have a fill pump for pumping the mixture into the overall system. The make – up water connection to the system is not to directly connect to the overall system in such a manner that non-mixed water could be introduced into the system.