

of the system. Therefore, a water circulation pump system is established to maintain both water levels in the condenser and in the evaporator.

The plant is already designed and constructed at the premises of the University of Kelaniya. The system can be vacuumed to the required pressure without difficulty and ready to desalinate the water when the hot reservoir is set to provide 60°C hot water.

Keywords: Condenser, Demister, Evaporator, Flash evaporation, Thermal desalination