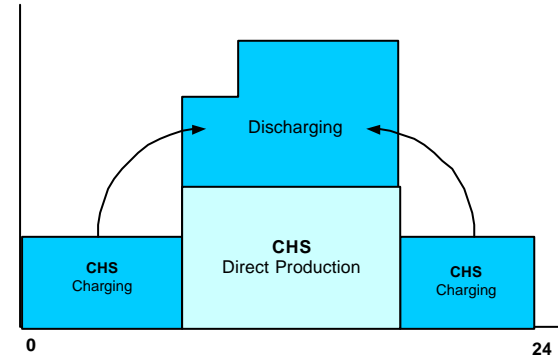
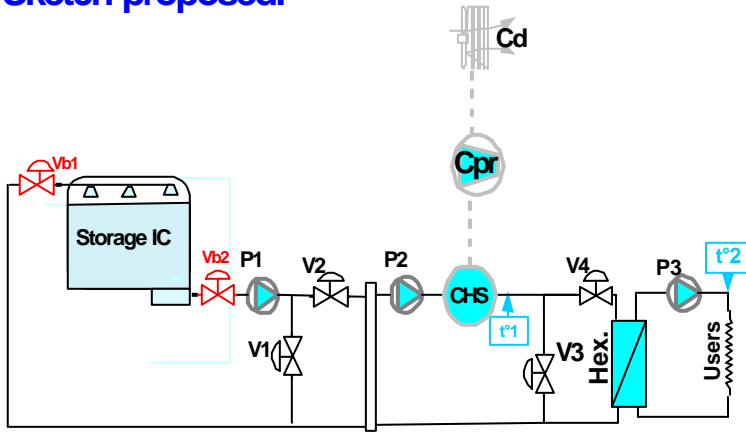


No permanent load profile

Partial storage - Chiller downstream Sketch proposed.



(NO) : Valve Normaly Open - (NC) : Valve Normaly Closed.

Vb1 (NC) - **Vb2** (NC) - V1 (NO) - V2 (NC) - V3 (NO) - V4 (NC)

Valves V1 and V2 can be changed with only one three ways valve NO on the way V1, valves V3 et V4 can be changed only one three ways valve NO on the way V3.

When P1 is On, **Vb1** and **Vb2** are opening with adjustable delay or by measuring the coolant pressure upstream the Vb1 valve

When P1 is Stopped valves **Vb1** and **Vb2** are closed immediately.

P1 is designed to circulate the coolant flow rate (see § 6.2) through: V1 or V2, the Storage IC (40 kPa), Vb1 and Vb2.

P2 is designed to circulate the coolant through: CHS, V4 and the Heat Exchanger (HEX).

P3 is designed to circulate the coolant through users

CHS is designed to charge the Storage IC (coolant temp. $< 0^{\circ}\text{C}$) and to provide Directly cooling energy ($> 0^{\circ}\text{C}$) under the $t^{\circ}1$ control.

Several CHS chillers CHS', CHS"...can be installed in parallel with the first one. Every CHS chillers must be equipped with a pump P'2, P'2...and a check valve.

The users coolant temperature is under the $t^{\circ}2$ control