

LEVEL CONTROL IN COUPLE TANK

2.1 PROCESS DESCRIPTION

In Level Control in Coupled Tanks the two tanks are arranged in such a way that the outlet flow of the first tank is the inlet flow to the second tank.

As shown in the figure the inlet flow to the Tank1 is regulated by FC-01, whereas two level Control Valves LCV-01 and LCV-02 regulate outlet flow from the Tank1 and Tank2

The Level Control in Coupled Tanks System is Operated in two ways.

Case 1:

Regulating the outlet flow of Tank1 controls the Level in Tank1 by LCV-01, which takes the signal from LC-01 whereas The Level in Tank2 is controlled, by regulating the outlet flow of tank2 by LCV-02, which takes the signal from LC-02.

Case2:

Regulating the outlet flow of Tank2 controls the Level in Tank1 by LCV-02, which takes the signal from LC-01 whereas The Level in Tank2 is controlled, by regulating the outlet flow of tank1 by LCV-01, which takes the signal from LC-02.



