

## Control Structures for a two-tank mixing+heating process

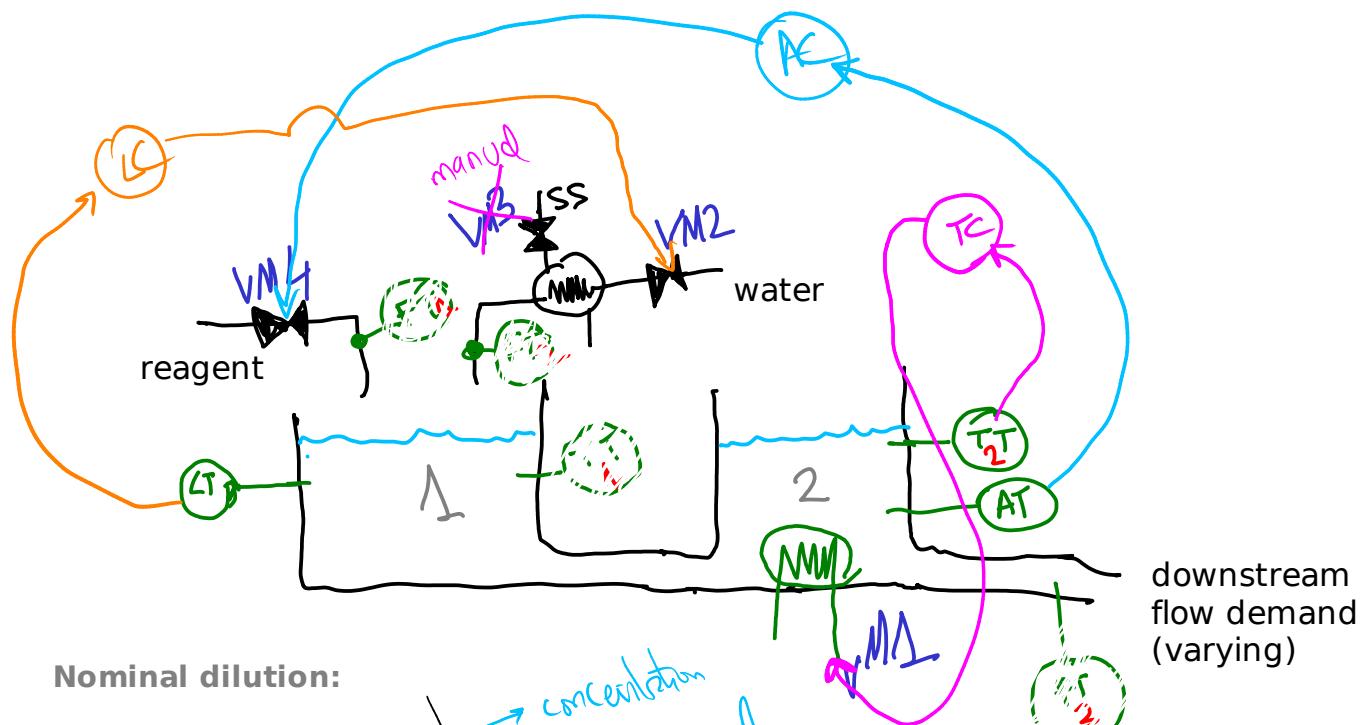
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*Presentations in video:*

<http://personales.upv.es/asala/YT/V/estr2aEN.html>

<http://personales.upv.es/asala/YT/V/estr2bEN.html>

Basic (plain multiloop) control structure to start with:



Nominal dilution:

1 liter of reagent → concentration  
per 5 liters of water → level

Summary of starting plain multiloop control structure:



tank2 heater

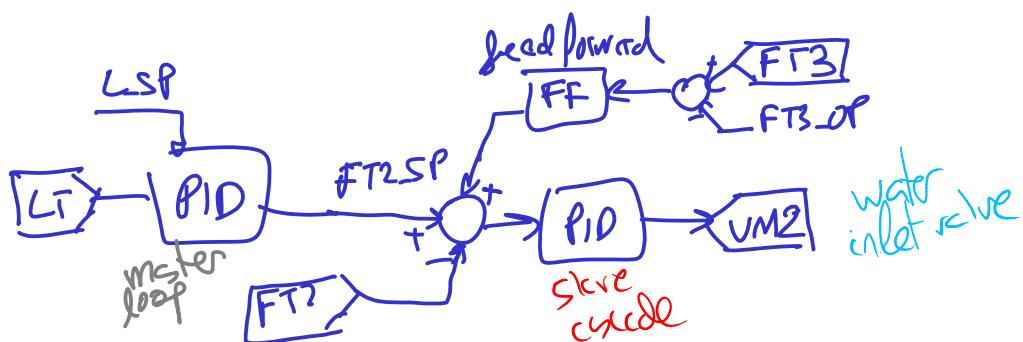
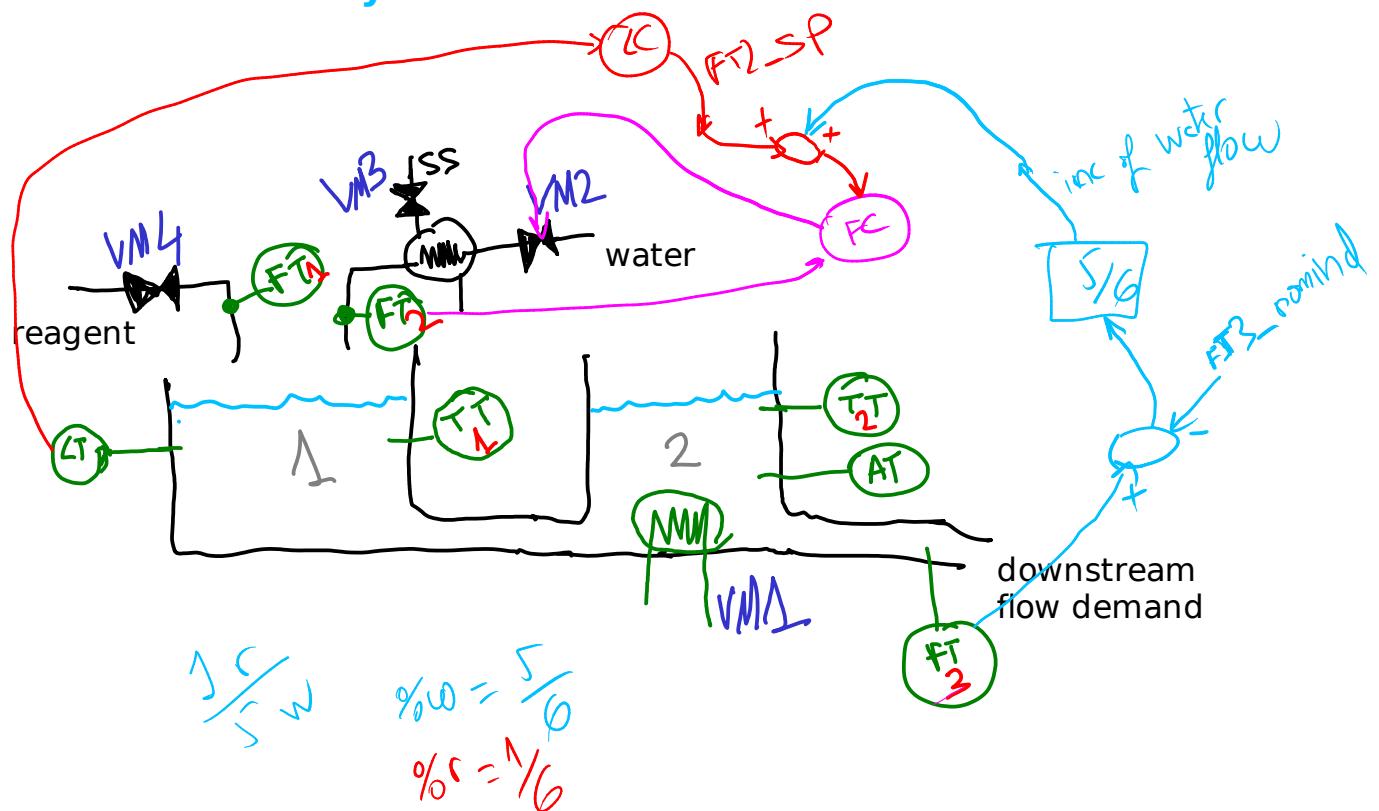


reagent valve

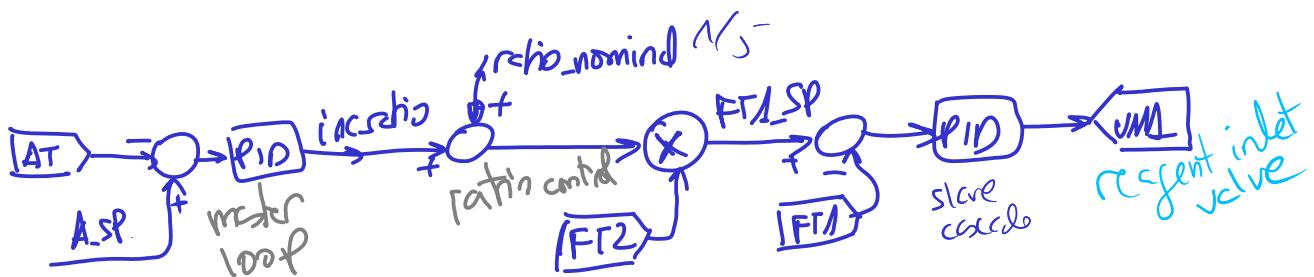
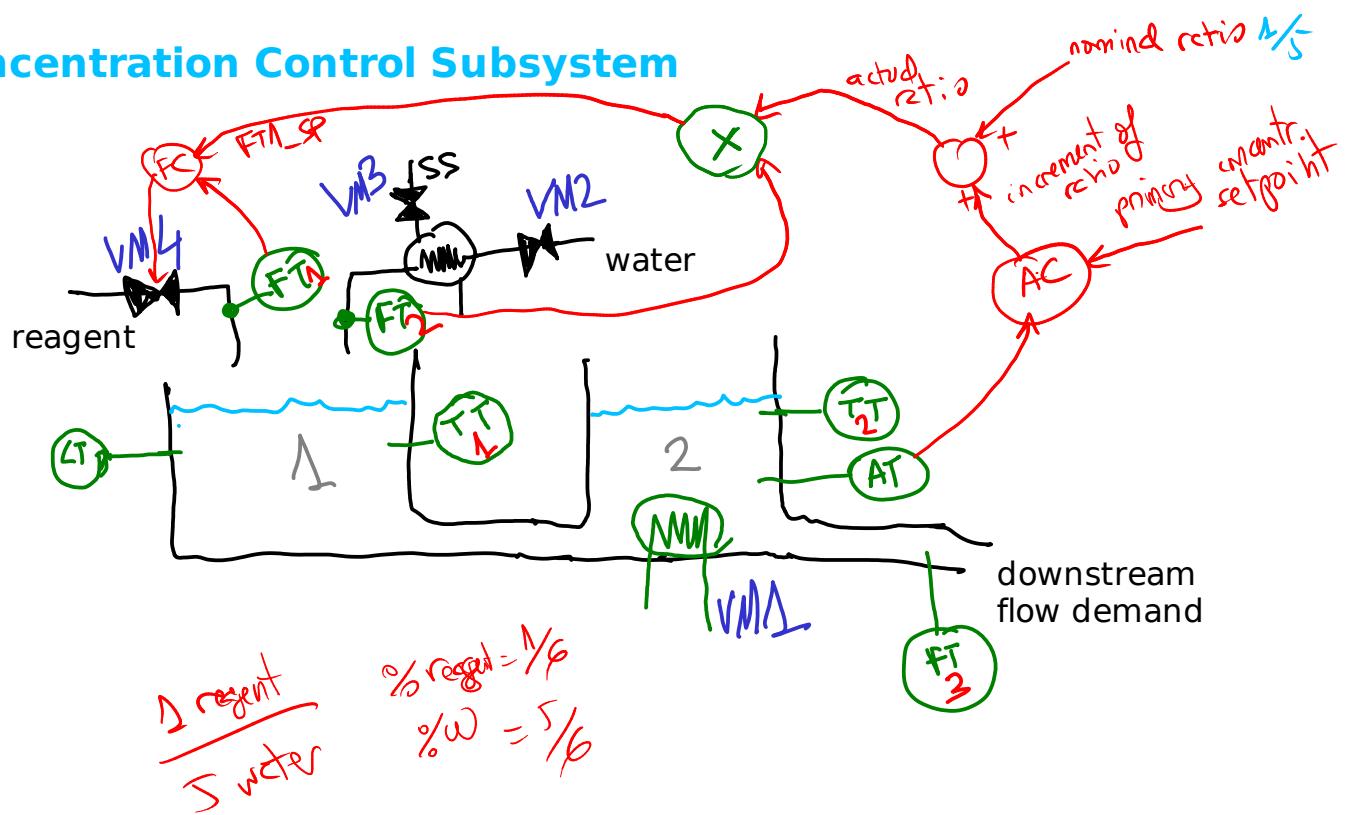


water valve

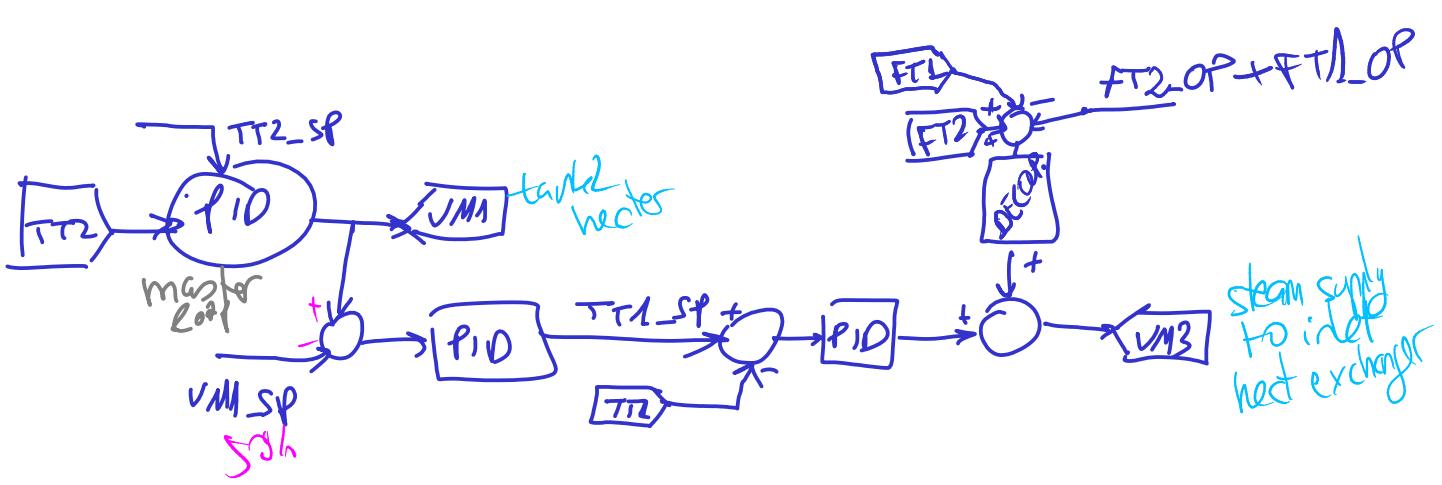
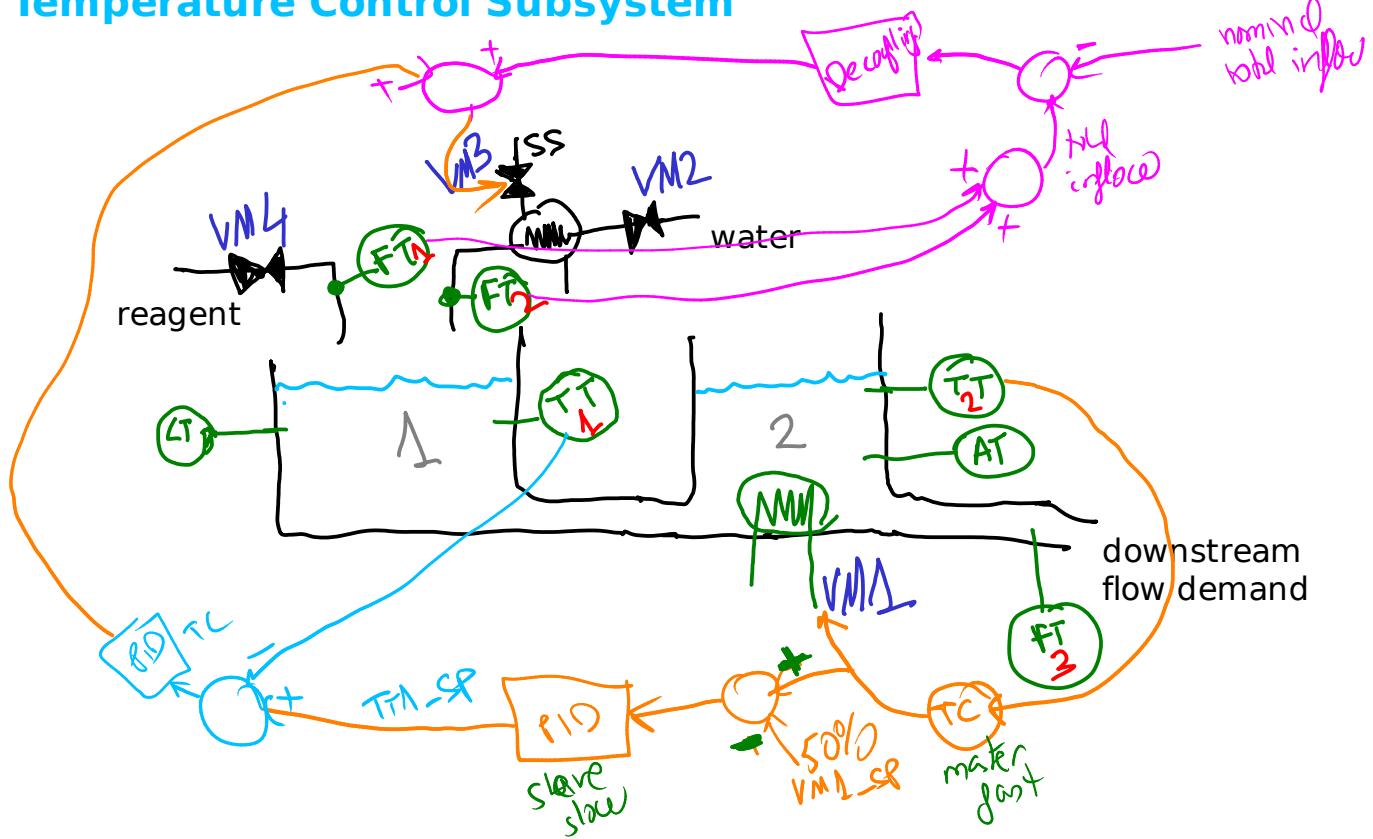
## Level Control Subsystem



## Concentration Control Subsystem



## Temperature Control Subsystem



## SUMMARY:

Structure using all control instrumentation and actuators:

