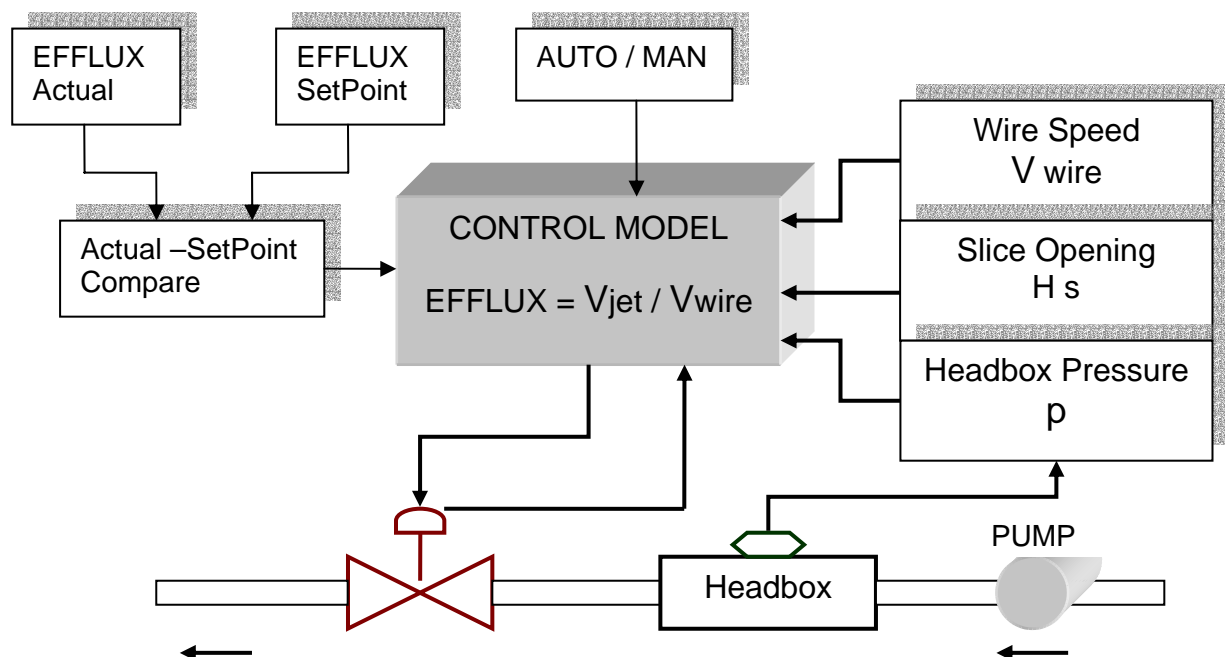


CONTROL OF JET SPEED TO WIRE SPEED RATIO (HEADBOX CONTROL - EFFLUX)

The Jet Speed is exactly estimated from the Slice vertical Opening and the Pressure in the Headbox. The Wire Speed is measured by the machine speed transmitter (tachogenerator driven from the couch).

The Ratio between Jet and Wire speed , also known as EFFLUX, is the crucial control parameter which will maintained at a desired value (SetPoint value). The formation of paper directly depends on that control.

All these parameters are considered in a standard relationship and control the Headbox pressure either over the outlet valve or over the speed of the mix pump. That pressure control accurately adjust the Jet speed to the Wire speed in order to achieve the wished proportion (ratio) between both parameters.



Jet Speed to Wire Speed Ratio (EFFLUX) Control