

Operating and Installing your VortiBlend Unit

The VortiBlend quick start guide is designed to help you with a quick overview of your VortiBlend unit. It is recommended that a complete review of the VortiBlend O&M be done before referring to the quick start guide.

The Polytrol (PDC-1) controller comes with factory presets already configured. Factory preset values can be modified to fit your specific process needs. To change factory presets please reference your VortiBlend O&M guide for detailed instructions.

Installation

- Connect the inlet dilution source to the VortiBlend Unit
- Connect the discharge piping to VortiBlend unit.
- Connect the neat polymer metering pump to the polymer supply source
- Provide 110 VAC power source
- Prime the neat polymer metering pump.

Operation

- Upon powering the unit, your PDC-1 controller should display "Standby"
- Pressing the "Enter" key will engage your VortiBlend unit.
- Pushing the "Enter" key while your VortiBlend unit is running will put the unit back in "Standby" mode.
- The dilution supply volume can be controlled by adjusting the globe valve.
- To change your concentration, simply press the "Enter" key when the PDC-1 controller scrolls to the "Concentration" display. Once in the "Concentration" mode, by using the arrow keys provided, you can change the concentration set-point.
- Upon pressing the "Enter" key at any time during the operation of your VortiBlend unit will activate a flush cycle designed to keep the Hydro-Kinetic tee clean.
- The menu tree provided on the following page provides a guide to the PDC-1 controller.



Control Mode Options

Remote Auto	Owner provided 4-20mA signal is used to prescribe the target solution concentration. The pump output is automatically regulated so as to deliver the target concentration (4-20mA) relative to the measured water flow.
Remote Manual	Owner provided 4-20mA signal is used to proportionally control the neat polymer pump output independent of measured water flow. The displayed concentration is the ratio of neat polymer feed rate as determined by the owner 4-20mA to the measured water flow.
Local Auto	The system is operated in the absence of an owner provided 4-20mA. The operator uses the PDC-1 controller to prescribe a desired solution concentration. The pump output is automatically regulated so as to deliver the target concentration relative to the measured water flow.
Local Manual	This is a full manual mode of operation. The system is operated in the absence of a 4-20mA input signal and the operator adjusts the pumping rate at the face of the polymer pump.

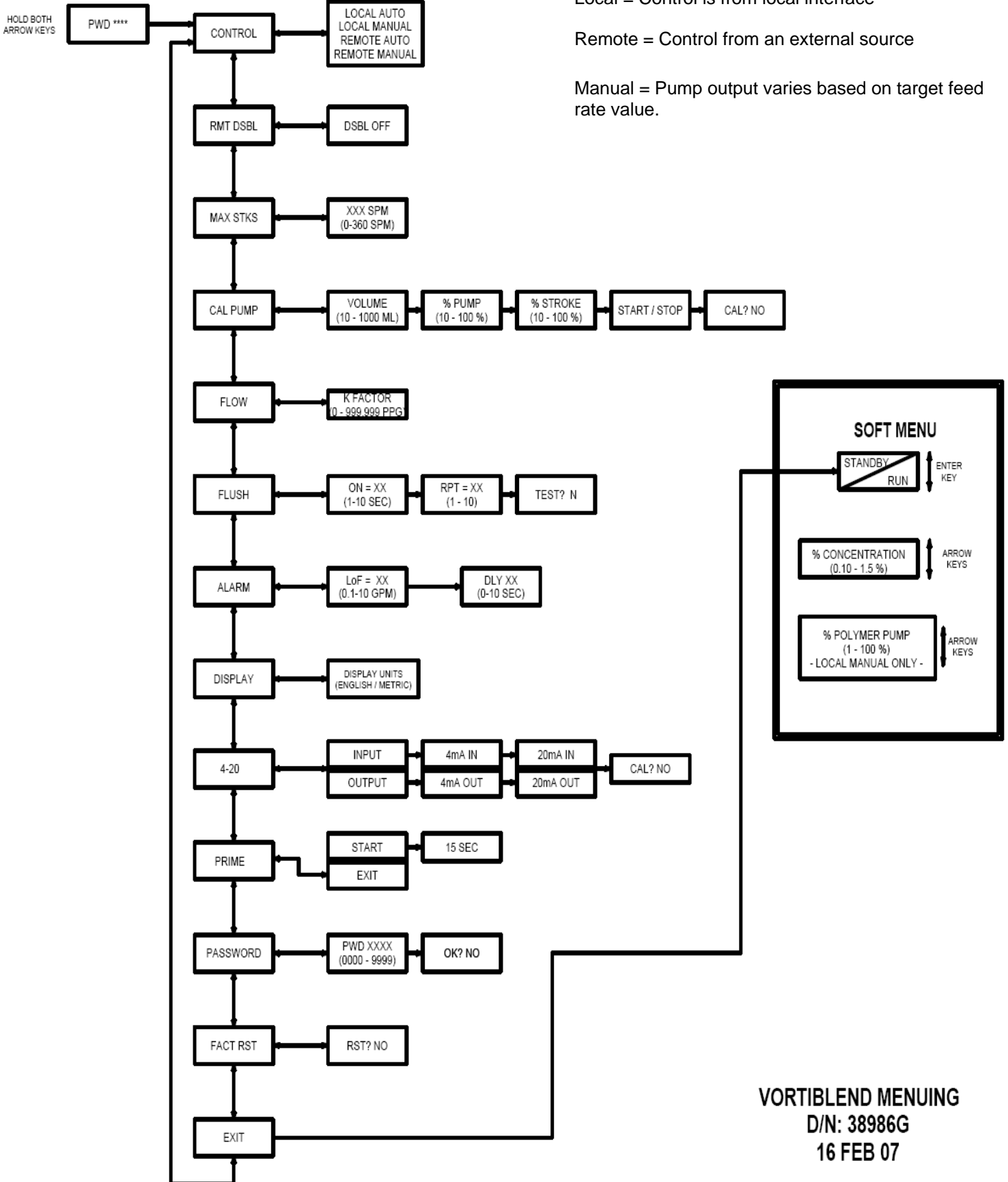
MAIN MENU

Auto = Pump output varies with dilution water flow to achieve set point concentration

Local = Control is from local interface

Remote = Control from an external source

Manual = Pump output varies based on target feed rate value.



VORTIBLEND MENUING
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