



Pressurized and Atmospheric Deaerators



Deaerator, Surge Tank and Pump Staging Control

Industrial Steam's PLC controls can be added to any complete deaerator system to have centralized control of all analog (level pressure) and discrete (alarm points) control points in your system. PLC can be used to stage pumps on and off, modulating variable frequency drives, control level and pressure, all from a easy to use touchscreen interface.

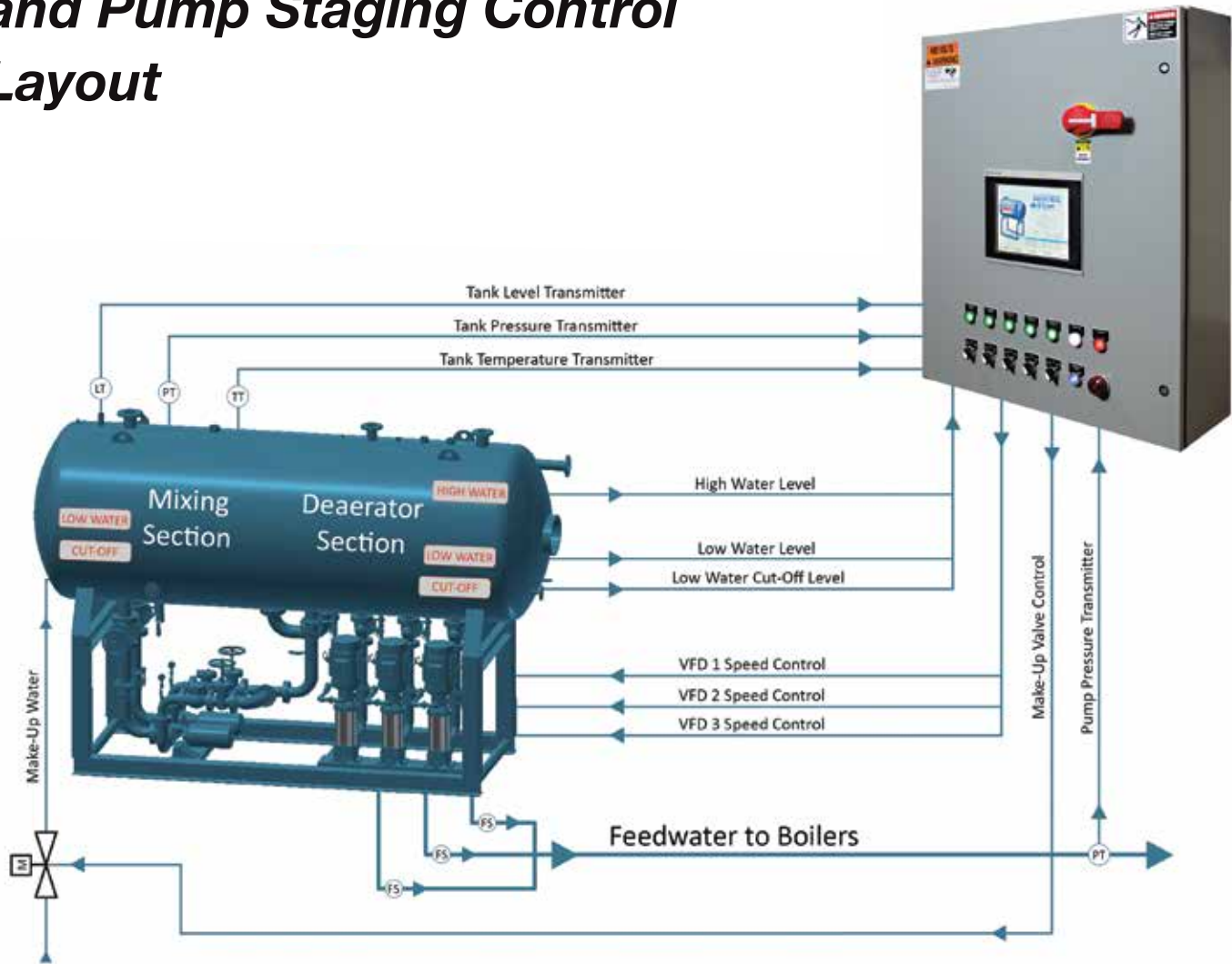
Features & Benefits:

- 7" or 10" Touchscreen HMI standard, other sizes optional
- Allen Bradley PLCs & HMIs for familiarity, quality, and longevity
- UL 508A Industrial Control Panels made in the USA
- Lead / Lag / Standby pump staging with time and failure-based rotation
- Analog Inputs/Outputs for monitoring and control of Level, Pressure, & Temperature
- Full VFD speed control via PID loop
- All parameters & settings easily adjustable from the HMI, with no programming required
- Multiple communication interfaces to choose from:
 - Modbus RTU or Modbus TCP/IP
 - BACnet MS/TP or BACnet/IP
 - Ethernet/IP
 - RS-232 and RS-485 serial
- Programming is custom for each application to reduce clutter and confusion for operators
- Pump timers provide a total run-time for each pump, timers can be re-set when replacing a pump
- Trending screens help visualize system operation over time
- Many custom programming options are available – contact us for details



Programmable Logic Controller (PLC)

Deaerator, Surge Tank and Pump Staging Control Layout



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Industrial Steam

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