FILL ONLY – NO INTERNAL DIAGNOSTIC TEST SYSTEM

Water*Line* Controls™ Model WLC-2000-XXX (50, 100, 150 or 200 depending on Sensor wire length) Specification
Electronic Water Level Controls by Levolor®

The Model WLC-2000 Water*Line* Controls as supplied by System Dynamics, Inc (XXX-XXX-XXXX) shall be supplied as a unit, including senor with wire, controller and a Solenoid Valve ASCO 8221 Slow-Closing. The system shall be solid state, with non-corrosive components, NEMA 4 enclosure with all components suitable for use outdoors in an Industrial Application or mechanical room environment. The system will provide automation monitoring, fine control, ease of operation, ease of service and accessibility.

The environment's water level shall be controlled automatically within a 1-1/2" range identified as "the operating range".

Water level control system shall be comprised of a sensor and sensor housing with wire attached and installed at water level, control panel mounted at a convenient location and a solenoid valve in-line with make-up water.

The 3" sensor housing shall be installed according to the drawings. The sensor shall be mounted at water level in a safe and convenient location according to the drawings using the "U" bolts provided. The sensor assembly shall be of solid state construction and contain three sensing probes made from stainless steel. Units with floats or moving parts will not be considered as approved equals and shall be rejected.

The Sensor shall be connected to the control panel with a maximum of 200 ft of wire provided as part of the sensor. The wire comes in 50ft increments up to 200ft and cannot be spliced to extend it. Specify wire length by the ending three digits of the part number.

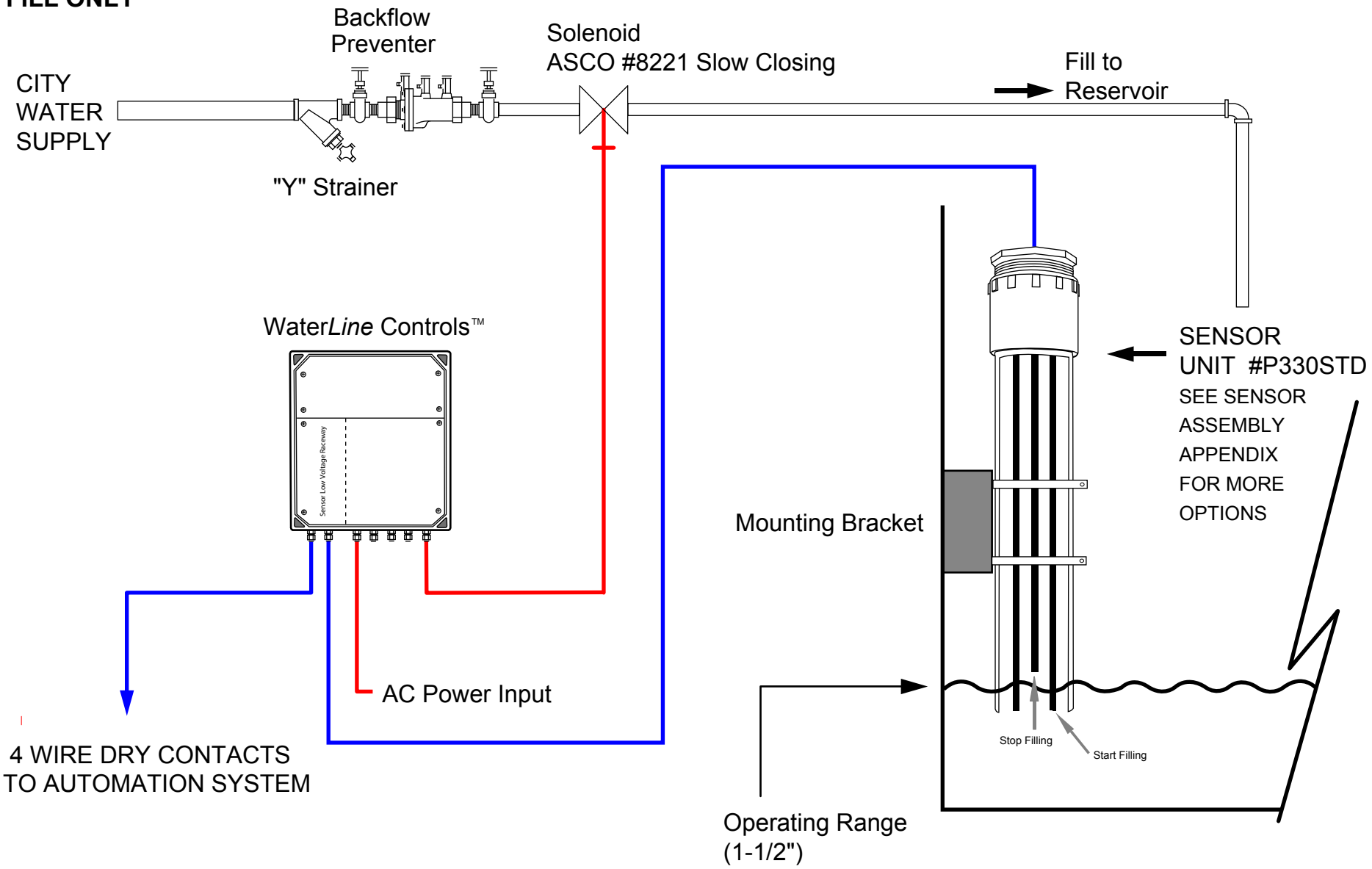
The control panel shall be solid state construction and approved for installation by applicable regulations and draw no more that 0.25 Amps at 110VAC and 0.125 Amps at 220VAC. All internal power relays are rated at 30Amps at 250VAC.

Control Panel shall feature displays indicating Power, Filling and fault indicator light. System shall have a time delay between sensing and filling before initializing the solenoid valve. The system is available in 110VAC or 220VAC 50/60Hz and is hard wired into a panel for permanent installation. The "Fault" indicator will change the power LED (green) to red when the "fill" command has been "ON" for greater than six hours. After one minute it will turn back to green and the system will function normally. Each output function shall have a corresponding set of normally open dry contacts rated at 0.5Amps at 60 volts to be connected to the building automation system.

Solenoid valve shall be brass and shall be sized according to the drawings and shall be normally closed, 110VAC at 0.6Amps at a peak, supplied with the level control system.

SPECIFICATION FOR WLC2000 - WLC3000

FILL ONLY



Blue lines are low voltage Red lines are high voltage			ELECTRONIC LEVEL CONTROL			This document contains information Proprietary and confidential to SYSTEM DYNAMICS INC. It shall not be reproduced, copied or made available to others without prior written consent from SYSTEM DYNAMICS INC.	SYSTEM DYNAMICS, INC. PO Box 12544 Scottsdale, Arizona 85260 1-888-905-1892 www.waterlinecontrols.com	DRAWING NO. / REV.
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Dimensions:

Enclosure: 8-3/4” X 10-1/2” X 6” including the hinge and the latch
Sensor assembly: 3” diameter and 20” long
Solenoid Valve: 1” NPT and 110VAC made by ASCO 8221