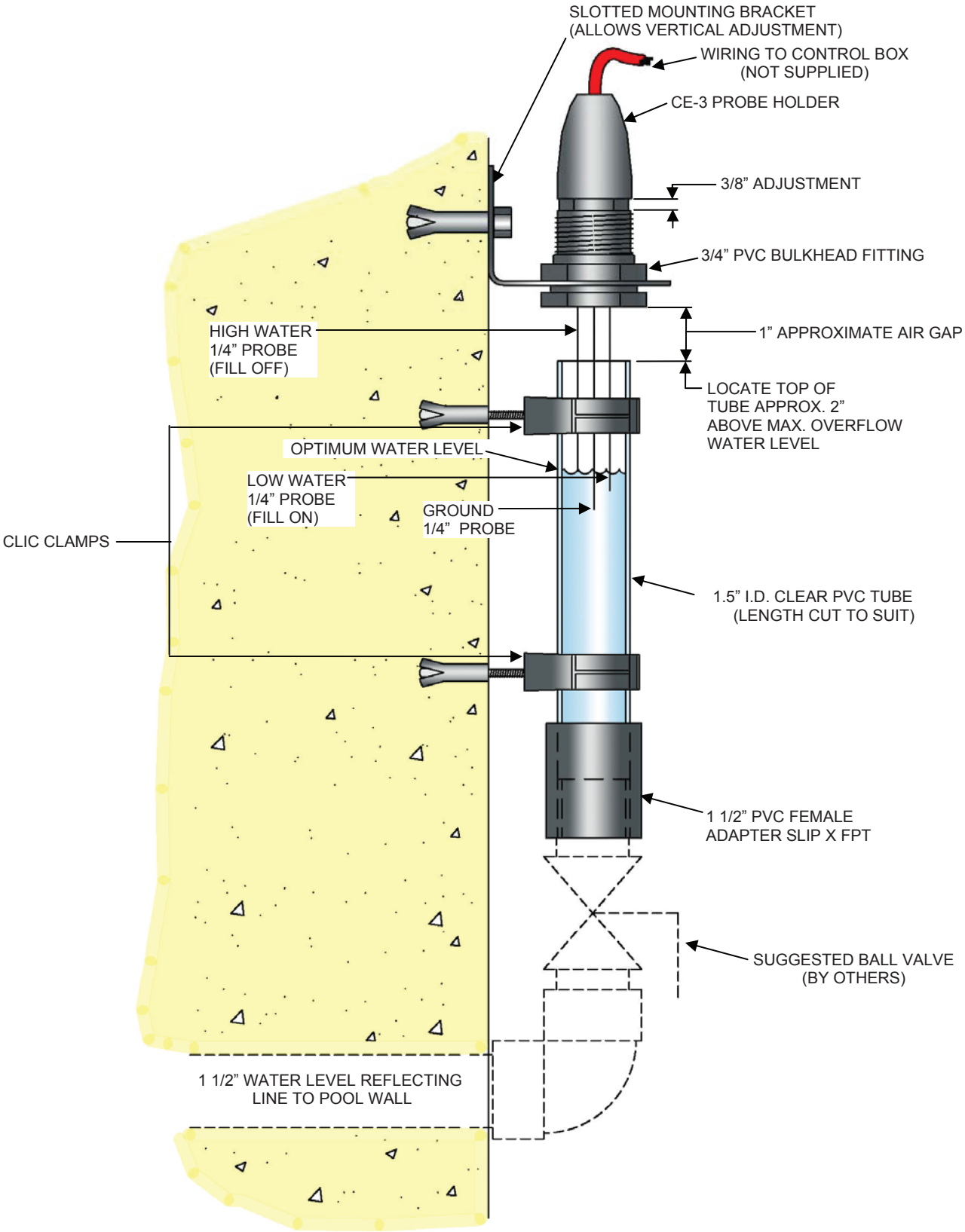
Probe Chamber Assembly



R-5/10/11

AUTOMATIC MAKE-UP WATER LEVEL CONTROLLER—WLC-200

A. Pool water level shall be maintained by an automatic water level controller Model WLC-200.

B. Controller package shall consist of a bracket mounted 3 probe housing, 3 stainless steel probes, a 2" clear plastic probe chamber with mounting clamps, a control panel housing a liquid level relay, a delay timer and a 110 volt, 24 hour timer. All controller components and housing shall be UL listed. Unit shall be Neptune-Benson Model WLC-200 water level controller or approved equal.

C. Water level shall be controlled by the use of a three probe electrode system; high level, low level and ground. A mechanical linkage or float operated system will not be considered equal.

D. Probes shall be housed in a hard thermoplastic housing that is mounted to a stainless steel bracket by a ¾" bulkhead fitting. Stainless steel probes are to extend into a clear 2" water level reflecting chamber that is to be mounted below the probe housing with clamps provided. A 2" PVC line shall be connected to the bottom of the clear chamber from the pool wall to reflect the water level in the pool.

E. Wiring from the probes shall be connected to the relay that is mounted within a corrosion-free, non-metallic NEMA 4X enclosure. The enclosure size shall be no less than 8" wide x 10" high x 5" deep. The access door shall be the entire front face of the enclosure with a vertically mounted stainless steel hinge equal to the full height of the door. Stainless steel hasps with locking loop latch shall be permanently secured to the enclosure.

F. Mounted within the enclosure shall be a liquid level relay, adjustable delay timer, 24 hour clock/timer and terminal board. Major components shall be plug-in type for instant replacement without wiring. Unit shall be suitable to activate any 110 volt (220 volt available) circuit for solenoid valve, pump or other method of providing makeup water.

G. All wiring connections shall be made through the bottom of the enclosure.

H. Solenoid valve size shall be as indicated on drawing, N.C., slow closing.

AUTOMATIC MAKE-UP WATER LEVEL CONTROLLER—WLC-400

A. Pool water level shall be maintained by an automatic water level controller.

B. Controller package shall consist of a bracket mounted 3 probe housing, a 2" clear plastic probe chamber, stainless steel probes and a solid state relay with NEMA 1 enclosure. Unit shall be Neptune-Benson Model WLC-400 water level controller or approved equal.

C. Water level shall be controlled by the use of a three probe electrode system; high level, low level and ground.

D. Probes shall be housed in a hard thermoplastic housing that is mounted to a stainless steel bracket by a ¾" bulkhead fitting. Probes are to extend into a clear 2" water level reflecting chamber that is to be mounted below the probe housing with clamps provided. A 2" PVC line shall be connected to the bottom of the clear chamber from the pool wall to reflect the water level in the pool.

E. Wiring from the probes shall be connected to the relay that is to be mounted within a NEMA 1 enclosure.

F. Unit shall be suitable to activate any 110 volt or 230 volt circuit for a solenoid valve, pump or other method of providing makeup water.

G. Solenoid valve size shall be as indicated on drawing, N.C., slow closing.