

Wiring of an Automatic Back-Up Pump using EW Metering Pumps and a PosiFlow Sensor

Worried about your pump losing prime? Why not add a 2nd pump to your system to ensure that chemical injection will not be interrupted? Using two Walchem EW Series pumps and a PosiFlow sensor, it is easy to implement a back-up pump system.



Using an EW-Y pump as the primary pump, mount a PosiFlow directly into the pump's manual air vent valve (or in the discharge line with 31/36 sizes) and connect it straight into the PosiFlow input connection on the EW-Y control module. In the User Program Menu, the FL.CHK option will need to be changed from OFF to either A, B, or C modes.

The 2nd pump can be any pump that fits the application, but will be an EW-F pump for this example. Wiring from the OUTPUT 1 terminals of the primary pump (EW-Y) should be wired into terminals #1 and #4 of the EW-F pump connector 2 (STOP INPUT). Any two-wire cable (18AWG or lower) can be used. The programming of the EW-F pump will have to be changed so that the N.O. condition of the STOP input is reversed to N.C. (see instruction manual for details). Set the back-up pump to run via an EXT digital signal (not shown) or in manual operation at the desired setting. Plumb and prime the liquid end, and this pump is now your back-up pump!

