Controlling water level in a tank

APPLICATION C109

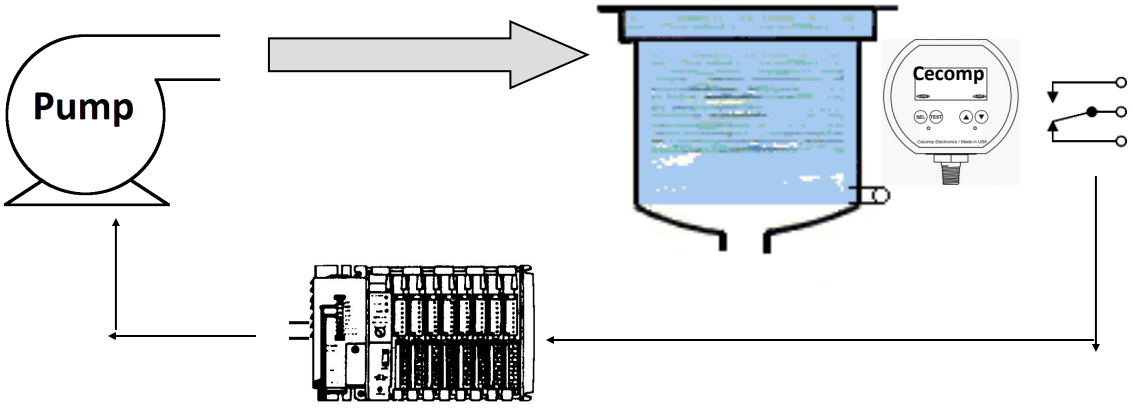
Type of Company: Public Utility
Location: Minnesota

The current water level in a water tower tank is being manually maintained using an analog gauge that is monitoring head pressure, and a simple on/off motor controller for the pump. This type of control is useful in maintaining water levels in tanks, landscaping ponds, waterfalls, and many other applications.


Photo by Raysonho

The Engineering Issue

- The engineer needs to automate the water level control process and increase the accuracy of the water level readings.
- There is a requirement to maintain local monitoring of the head pressure.



The engineer used a Cecomp F16ADA. The F16ADA relays are set to automatically send a signal to the pump controller to turn the pump on and off in order to maintain the water level at a predetermined set point. The gauge will show an accurate head pressure locally as well.

Problem. Solved.

 | www.api-usa.com | www.cecomp.com