

RitePro Wafer Cushion Swing Handles Water Hammer Stress with Low Maintenance

Problem: When a lift station in Saugatuck was first installed using hydraulic pump check valves, the customer had many issues with the maintenance of the valve controls. After several revisions and improvements, including a major upgrade to an electric motor actuator with battery back-up system, the station worked very well. However, after a few years, the electric actuators began failing causing problems and costing the customer big dollars, a better solution was needed fast.



Right-Hand or Left-Hand Mounting Available

Solution: Kennedy Industries worked with the customer to replace the existing valves with RitePro wafer cushion swing check valves. This RitePro valve has a compact wafer pattern and a stainless/Buna seat. The shaft is made to handle stresses using an outside lever, adjustable weight, adjustable return tension spring and a self-contained cushion oil dashpot system that requires little to

no maintenance. At pump start-up, Kennedy Industries service technician adjusted the closing speed of the RitePro valve to handle the on/off operation, bypassing the VFD, in order to give the customer the worst-case operation simulating a power failure during pumping. The RitePro wafer cushion swing check valve handled the pump station requirements without any problems.

Key Product Features:

- Zero leakage in all pressure classifications
- Low pressure drops
- Substantially higher flow capacity
- Prevents water hammer
- Pumping cost savings and long service life

