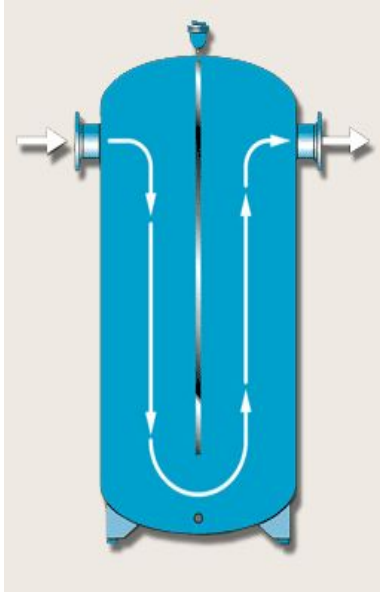


## Chilled Water Buffer Tanks



**Elbi Chilled Water Tanks (CWT) are designed to be used with chillers that do not have adequate water volumes in relation to the chiller. The insufficiently sized systems do not have enough “buffer” capacity for the chilled water causing erratic system operation, poor temperature control and excessive compressor cycling.**

**The Chill water storage tank solves this problem by adding volume to buffer the system. Elbi series CWT Chill Water Tanks will help reduce the rate of change of the return water.**

**Most chillers are designed to be useful in systems with a minimum amount of water volume. The minimum water volume is based upon the chiller manufacturer's requirements, typically 3 to 6 gallons per ton when the temperature accuracy is critical. When chiller systems are properly sized, the chiller compressor will not short cycle. Without the proper amount of system water, the source temperature will be reached quickly and the compressor will shut off. Many chiller compressors can only start 3 times per hour. If the compressor is off and there is a demand for chilled water, the demand cannot be met because the compressor cannot turn back on. This causes very unsatisfied people within the building who cannot have the required cooling. Insufficiently sized system problems can cause excessive compressor cycling, poor temperature control and erratic system operations.**