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Equipment before Conversion



Case Study

Hospital Booster System

Constant Pressure, Tri-plex system (*only Two Years Old*)

Problem:

The need to rebuild two year old pumps prompted this hospital to take a closer look at what has happened to their water boosting system. Water quality was being compromised. Water pressure was erratic. Bio-film, rust and built-up scale was in the control valves.

Something needed to be done quickly.

The technical team at Towle-Whitney Co. found the existing multi-control booster was improperly sized.

The ASME tank and undersized 1/2 piping prevented fresh water turnover. Stagnating water at temperatures of 70-80° F provided perfect conditions for bacterial growth (e.g. legionella).

The red ASME tank on the left was never able to function correctly due to air pressure set at 100psi, which was too high. This air pressure was never being reached.

Solution:

Convert existing booster system to a modern...

Variable Frequency Drive System

- Easy to service
- Iron valves replaced
- Simple controller
- Fluctuating water pressure eliminated
- Same work with less horsepower
- Power savings

The VFD system can be retrofitted into existing piping.



Get rid of your energy hog and step up to the

Towle-Whitney VFD system

Warrantees are as Original Manufactures Specifications