



Greening the OR Pre-Conference Workshop

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Providence St. Peter Hospital







Fix Leaks!

- Our Valves were leaking in Standby Mode
 - We were flushing 2.3gpm down the drain when the sterilizers were not in use.
 - We replaced (4) leaking valves and stopped approx. 2 million gallons of water use and saved \$20,000 annually!

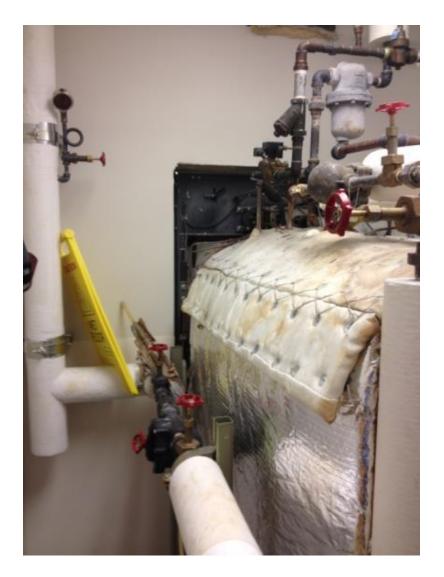




S-16 Leaking Valve















Remove Drain Cooling Line

- WA State requires Sanitary Sewer water enter City Sewer @ 140 degrees.
- The distance from our building mixes with all of our waste water making that easy to achieve.
- Water leaving the sterilizer is approx. 180 deg and we use approx. 83,000 gallons a day @ our hospital.









Drain Cooling Line Water Savings

- 2.5 gpm measured down the drain
 - 4 Machines Running 24 hours a day (M-F)= 24,960 annual hours, 2 Machines Running 24 hours a day (Sat-Sun)= 4,992 annual hours, 4 Machines in Use 4 hours a day (M-F)= 4,160 annual hours, 2 Machines in Use 2 hours a day (Sat-Sun) = 208 annual hours.
 - Total net hours of 4 Machines in Use Annually = 34,320 hours X 60 minutes X 2.5 gpm = 5,148,600 GALLONS SAVED ANNUALLY or \$51,148!



Flash Sterilizers in Surgery

- Previously had (7) Flash Sterilizers in Surgery and now we only have (3).
 - All Sterilizers used to be on 24/7 that would require 7lbs of Steam.
 - We changed Flash Protocol to help reduce Sterilizer use.









Waterless Sterilizers

- Low Temp Waterless Sterilizer uses Hydrogen Peroxide Cassettes.
 - Only for use with small/specific instruments.
 - Must replace Vacuum Pump Oil every 6 months (\$1600).



Sterrad 100NX





Water Efficient Sterilizers

- Added Vacuum Pump to replace Water Venturi Pump to 1992 Steris 3043 Stage 3 Steam Autoclave.
 - Reduced water use from 6gpm to 1.5 gpm
 - We save 9,266,400 gallons and \$92,660 annually!









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