Dirty Water is Costly!

Critical Flushing Requirements for New Building Connections

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Campus HVAC Central Utility Plants, Distribution Piping, & New Building Construction
A Proper Flush Operation involves moving water at a high volume and velocity, plus filtration to remove damaging debris and particulates.

Chemical cleaning is also involved with steel piping.

Without a proper flush, or cleaning, we take a SIGNIFICANT chance of damage and lack of efficiency.

Energy & Maintenance savings lost!
“Rid system of Rust, Dirt, Piping Compound, Mill Scale, Oil, Grease, any and all other material foreign to water being circulated.”
• Self – Contained Flush Units

• Modular Set-ups with pumps / filtration

• Flow Meters
Full Flow Filtration
FLUSHING MEANS & METHODS

- **Clear Water Flush**  5 - 7 ft/sec

- **Cleaning & Chemical Passivation**  3 - 5 ft/sec ..... up to 48 hours

- **Final Clear Water Flush** – dilute the cleaning chemicals out and use 5 micron filtration  
  
  **Iron** = 1.0 ppm or less
CUP & Distribution Piping
• Featured IDEA Project – Winter 2019
• Geothermal District Heating System
• Flushing Geothermal Systems for air removal is critical
Campus Flush Examples
• Upgrade & Harden Campus Mechanical Plant

• Place in service a 36” Underground Steel Chill Water line that had been sitting vacant for over a year.

• Flush and Clean @ 5’/sec or 17,000 GPM

• 50 Micron Filtration, Cleaners, leave with Inhibitors
Don’t compromise your plant.
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