

**INSTRUCTIONS**

Insert these specifications in section 23 21 13 – Hydronic Piping where applicable. Additionally, request a CAD detail from your Nexus Valve representative for your bypass & flush kit piping detail.

**General:**

Contractor shall provide and install bypass & flush kits at all locations as specified in the construction documents.

**Bypass & Flush Kit:**

1. Provide and install permanent bypass & flush kits to bypass coils, control valves, balancing valves, exchangers and other factory cleaned equipment to prevent debris from being caught or cause damage to equipment which will be connected to the piping system. Temporary bypass piping or the use of flexible hoses for flushing is not acceptable.
2. Bypass & flush kits shall provide for forward or backward flushing without the removal of strainer elements, flow cartridges, pressure regulators or other orifi designed to control flow.
3. Bypass & flush kit 2” and smaller shall include (2) forged brass tees, interchangeable union ends with FKM o-ring seal, ball valve, blowout proof stem with dual FKM o-ring seals, hard chrome plated solid ball with Teflon™ seats, and rated at 600 PSI WOG, 325 degrees F. Bypass flush kits shall be available with NPT, SWT, PRESS or PUSH connections; like Nexus UltraBK™ Bypass & flush kit (Models BKF, BKU, BKFC, BKUC.) Optional solid stainless steel ball and stainless steel valve stem shall be available.
4. Each bypass & flush kit shall be “Bagged & Tagged” for easy identification and storage.
5. Optional extended pressure and temperature test plugs, manual air vents and handles shall be available. Extended handles shall not break the vapor barrier when operated.
6. Bypass & flush kit shall carry a 5-year product warranty.
7. Approved Manufacturers:  
Nexus Valve, Inc.