

**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 automatic flow control valve piping detail.

**General:**

Contractor shall provide and install manual flow control valves at all locations as specified in the construction documents.

**Manual Flow Control Valves - Multi-Turn:**

1. Manual Flow Control devices shall be Multi-Turn balancing type accurate to at least  $\pm 5\%$ .
2. MFCV 1½" and smaller shall be forged brass Y-pattern globe style and valves 2" – 2½" shall be a cast brass Y-pattern globe style with integrated ball valve and union, (2) pressure/temperature test ports, visual turns indicator, locking handle tag, blowout proof stem with dual FKM o-ring seals, interchangeable union end with FKM o-ring seal, hard chrome plated ball with Teflon™ seats, and rated at 600 PSI WOG, 325 degrees F. Valves shall be available with NPT, SWT, PRESS or PUSH connections; like Nexus UltraMB™ (Model MB.) Optional solid stainless steel ball and stainless steel valve stem shall be available.
3. Valves 2½" and larger shall be a flanged epoxy coated cast iron body (per ASTM A126, Class B Flanges) with globe-style balancing, (2) pressure/temperature test ports, visual turns indicator, locking handle, and rated for at 175 PSI, 250 degrees F.; like Nexus UltraMB™ (Model MBF.) To minimize field labor, valve may include Flange x Groove adapters or Flange x Threaded adapters, butterfly valves and other accessories pre-assembled; like Nexus UltraMB™ (Model MBFV, MBG, MBGV, MBT, MBTV.)
4. 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.
5. Contractor should, to reduce field connections and leak points, provide pre-assembled kit including isolation valves, strainers, unions and other required accessories. See Coil Pak™ or Hose Pak™ specification for requirements in section\_\_\_\_\_.
6. Valve shall carry a 5-year product warranty.
7. Approved Manufacturers:  
Nexus Valve, Inc.