

INSTRUCTIONS

Insert these specifications in section 23 21 13 – Hydronic Piping where applicable.

General:

Contractor shall provide press-fitting connections as an alternate method of joining copper pipe, copper tubing, and copper alloy fittings as specified in the construction documents.

Pressure-Seal Joints:

1. Press-fit connections shall be installed on K, L, and M hard copper tubing complying with ASTM B88 standards. The fitting shall be constructed of DZR Brass and FKM seal. The fitting shall be used in hydronic water systems from 34°F to 250°F up to 200 PSI and water/glycol systems from 0°F to 250° up to 200 PSI. All fittings shall tested and comply to IAPMO PS 117-2006; like the NexPress™ connection system.
2. Copper and copper alloy press connections shall be made in accordance with the manufacturer's installation instructions. The tubing shall be fully inserted into the fitting and the tubing marked at the shoulder of the fitting. The fitting alignment shall be checked against the mark on the tubing to assure the tubing is fully inserted in the fitting. Copper press fittings shall be installed using the proper tools, actuators, jaws and rings as instructed and approved by the press fitting manufacturer.
3. Installer shall be a qualified installer, licensed within the jurisdiction, and familiar with the installation of copper press joint systems.
4. Follow all installation instructions of the manufacturer's press-joint fitting to ensure quality, leak tight seal. To prevent distortion of the pipe, be sure to stringently maintain the minimum distance between fittings depending on tubing diameter as directed by the manufacturer.
5. The installer shall insure that sealing elements are properly in place and free from damage.
6. Approved Manufacturers:
Nexus Valve, Inc.