

Precautionary Note:

Mixed use applications in recirculating **domestic hot water systems**, may contain copper components that are used in hot water heaters, distribution headers, plumbing connections, and other equipment. Careful design is important and proper installation in accordance to the Copper Development Association- CDA Publication A4015-14/16 “*The Copper Tube Handbook*”, will eliminate conditions that could cause copper erosion and corrosion, which can have negative effects on thermoplastic piping systems. Further information can be found in the Plastic Pipe Institute’s Technical Note- TN57;

PPI TN-57/2018: Proper Integration of Copper Tubing and Components with PP-R Piping Materials for Plumbing Applications

<https://plasticpipe.org/pdf/tn-57.pdf>

Note: Hydronic and other hot water heating systems are typically not affected by copper erosion due to the lower flow velocities, lower dissolved oxygen, and oxidant levels. The presence of oxidants and oxygen, in extreme hot water is typically found only in domestic (potable) water applications.