

Technical Bulletin

ID Number: TB-20100115

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Item: The affect of Methyl Alcohol on the flow meters of the HK manifolds

Part #: N/A

To: Roth Regional Mangers, Manufacturer's Representatives/Agents, Wholesalers & Installers

From: Roth Technical Support

We have been alerted to a commercial radiant project that has used a 15% methyl alcohol/water mixture as an antifreeze solution. They have noticed that the flow meters are becoming opaque and showing checking in the plastic. The plastic parts of the adjustable flow meters on our HK manifold are not compatible with the use of this product. The methyl alcohol mixture should not affect the manifold body, o-ring seals, or pipe in the 15% mixture.

It is noted in the MSDS sheet that the product may attack some plastics, rubber, and coatings. I have checked our chemical resistance tables and note a degradation of the PEX-C pipe in solutions over 65% and with temperatures over 180°F. I am awaiting data on the o-ring material from the manufacture.

Roth Industries always recommends the use of propylene glycol on radiant heating and snowmelting systems as the only approved additive for freeze protection

Further updates will be made as more information becomes available. Feel free to call Roth Industries or your Roth Regional Sales Manager with any questions.

Roth Industries, Technical Support