

Domestic Water Compliant Fan Coil Construction

IPS™ provides for continuous circulation of both domestic hot and domestic cold water systems throughout building avoiding problems associated with stagnant water supply, control sequence eliminates dead legs in HVAC application. No mechanical system water is mixed with domestic water supply; only the water temperature is controlled. System shall include double wall heat exchanger to isolate mechanical system.

Williams maintains on file vendor compliance of all components:

- UNS C12200
- “Lead-Free” California and Vermont
 - Section 116875 of the Health and Safety Code in California
- ANSI/NSF 61 Annex G
 - Tube and wrought copper fittings are from pure copper cathode, fire refined copper ingots, and recycled scrap copper in compliance with the standards above:
i.e. Mueller Streamline Company: <http://www.nsf.org/certified/PwsComponents/>
- Control and Ball type service valves are IAPMO certified. Valve bodies are assembled with the following components:
 - DZR (dezincification resistant) brass valve body Stainless steel stem
 - EPDM valve paddle
 - EPDM O-ring sealsi.e. Caleffi Z2 and Z3 valve bodies may be used in potable water applications and complies with the ANSI/NSF 61 standards. <http://pld.iapmo.org/> (search) Caleffi

Williams TRACvalve™ must include optional stainless Steel Ball and Stem

All materials used in the construction of IPS™ Terminal Fan coils must be “lead-free” or certified as above to be less than 0.25% lead. All solvents, lubricants and chemicals in contact with wetted surfaces must be bio-degradable and water soluble. Coils and valve package after completion of pressure test must be thoroughly cleaned with high temperature water and compressed air then sealed for shipment.

Control Board: 24-volt digital control board shall provide for application of any 24-volt fan coil thermostat and maintain flush cycle and freeze safety. Flush cycle shall ensure both the hot and cold water coils are flush daily by opening the control valve when there is no “room call” for heat or cool.