

ASPE TechSymposium 2021



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James Dipping is the Director of Plumbing Engineering at ESD and has more than 24 years of experience in the plumbing design and construction industries. James' main responsibilities include training development/engineering standardization, specification maintenance, design programming, project management/team leadership, client relations, and quality control for all of ESD's market verticals. James is a licensed Professional Engineer in Illinois, Indiana, and Wisconsin. He spoke at the ASPE Tech Symposium in 2013 and has published several articles in many industry magazines on various topics related to plumbing engineering.

Hot Water Distribution Temperatures, Legionella Control & the Need for Enhanced Scald Prevention Tactics

The industry is shifting away from low-temperature hot water distribution systems as awareness of Legionella in plumbing systems rises. With this comes an increased risk of scalding, so the typical mindset of temperature control must shift. Gone are the days of low-temperature circulation and no point-of-use temperature control. Significant attention must be paid to distribution temperatures, recirculation temperatures, hot water return pump calculations, and fixture applications. Because of this, a high level of knowledge is needed for ASSE-rated devices. Engineers must have familiarity with the rating, applications, and best practices associated with protecting the public from scalding.