

ASPE TechSymposium2021



Edward Ross

Edward Ross is Vice President of Sales for QuantumFlo Inc. and has more than 30 years of experience in the plumbing and HVAC industries, from heavy equipment operation to owning a manufacturer representative firm. For the last eight years, he has been employed by QuantumFlo Inc., starting in the position of RSM North. Edward has traveled and spoken to many ASPE Chapters throughout the United States and Canada, and he presented at the ASPE Tech Symposium in Pittsburgh in 2019. He has been affiliated with ASPE since 1998 and is a prior Officer for the Johnstown Chapter. He has a B.S. in Business Administration and an MBA in International Business and Finance from Point Park University in Pittsburgh.

Designing Booster Systems – ASPE Chapter 5 Method

This session will cover booster system design in accordance with Plumbing Engineering Design Handbook, Volume 2, Chapter 5, 2018–2019 edition. Attendees will learn about the proper sizing methods to eliminate oversizing; application of the 80/20 Rule of booster pumping operation; ASHRAE 90.1, 10.4.2, and how it applies to domestic water pressure boosters; the 70% Pump Redundancy Method; hydro-tanks; the proper use of PRVs in buildings with booster systems; and sizing the domestic pressure booster appliance to the building's physics and characteristics.