



Model STS Outdoor Tempering Systems

Designed for Longevity

Specification:

1.0 Booth

Booth shall be Stainless Steel Construction with full length forklift slots. Double swing doors are provided for easy user access. Doors include a clear window to see if a victim is inside, and graphics designate the enclosure as a safety shower. Includes a separate mechanical access door to the heating and controls equipment. A stainless-steel partition is utilized to separate the mechanical side from the shower side. Booth shall be heated with a space heater.

2.0 Tank Options

When required, the tempering skid shall include a hot water storage tank. These tanks come in sizes of 119G, 120G ASME, 200G ASME, and 310G ASME. Tanks to include an immersion heater at 5KW minimum. System to also include an Acorn Controls ET71 mixing valve that safely mixes hot and cold water up to flows of 70gpm. All tank systems include an expansion tank.

3.0 Tankless Water heater Options

When required, the tempering skid shall include a tankless water heater to provide an unlimited supply of tepid water. Standard options are 77KW, 115KW, and 154KW.

4.0 Drenching Option

When specified, includes a shower, eye-face wash supplied with a strainer. The shower and eyewash shall be protected with freeze and scald valves. All stay open valves are chrome plated brass.

5.0 Electrical Options

Tempering systems come standard in either 480V or 600V 3phase configurations. Other voltages available upon request. Systems can be designed for NEMA 4, NEMA 4X, or CL1 DIV2 locations.

6.0 Pump Options

When specified, the tempering skid shall include a booster pump to overcome piping losses, and a recirculation pump to move tepid water throughout the tempering loop. Pumps shall be sized based on project details.

7.0 Piping Options

Tempering skids come standard with Schedule 40, galvanized steel piping. ANSI/ASME B1.20.1, ASTM A53, ASTM A733. Brass and bronze valves. Class 150 pipe fittings are utilized. ANSI/ASME B1.20.1, ANSI/ASME B16.3, ASTM A197

