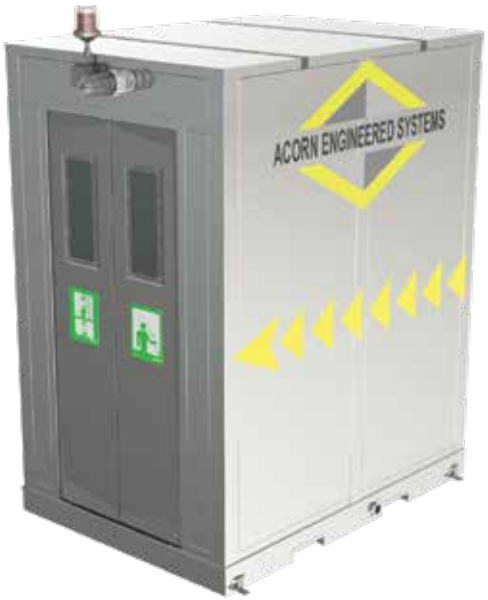
CONFIGURATION TOOL

Model STS Outdoor Tempering Systems

Designed for Longevity



STS - ____ ____ ____ ____ ____ ____ ____

Location	Tank Options	Tankless Options	Voltages	Booster Pump Options	Drenching Options	Classification	Recirculation Pump Options
1 - Indoor	0 - No Tank	0 - None	1 - 480V 3 Phase	0 - None	0 - None	0 - General Purpose	0 - None
2 - Outdoor	1 - 119G Non ASME Tank	1 - 77 KW	2 - 600V 3 Phase	1 - Required**	1 - Included	1 - NEMA 4	1 - Required***
	2 - 120G ASME Tank	2 - 115 KW	3 - Other *(Specify)			2 - NEMA 4X	
	3 - 200G ASME Tank	3 - 154 KW				3 - CL1 DIV2	
	4 - 310G ASME Tank						

Specification:

Location

Outdoor 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.

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.

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.

Drenching Options

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

Electrical Options

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

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.

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

Casey Hayes • VP/GM • 775-224-1151 • chayes@acorneng.com • 15125 Proctor Ave, City of Industry, CA 91746

L1T00015
06/18