

A company with experience...

With more than 50 years of experience as a manufacturer of quality safety equipment, Encon[®] has earned a reputation for providing reliable, innovative products to protect personnel and provide emergency treatment. Encon's superior designs offer pre-engineered and customized options to fit the needs of our client's specifications and applications.

Our internal staff of manufacturing professionals, with their years of experience, results in superior craftsmanship of safety products. Continuing the company excellence is our team of R&D, Manufacturing Engineers and Customer Service Staff who are willing to go the extra mile for our customers to provide them with the best solutions.

Built to strict standards...

Shower stations don't always create complete compliance by themselves. One of the main components to becoming compliant to the ANSI/ISEA standard is tepid water. Encon designs and fabricates a multitude of systems to fit your needs for tepid water delivery. With consultation and on-site surveys, we can help establish proper installation, use, and service of safety equipment. Encon's products and services meet or exceed all regulations and expectations by following strict, exacting standards making Encon the clear choice for solutions to be compliant.



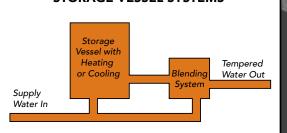
BLENDING

When you only have a single source of plumbed water and it is not at the right temperature for tepid compliance, what do you do? Encon's solution is blending. Supply water is blended with stored heated/cooled stored water or instantaneously heated water to create tepid water that is then supplied to the safety shower stations. All of this happens with Encon's electricallycontrolled, fail-safe blending systems.

Dacoll

Storage Vessel Systems

- Water is stored in a standing vessel
- Heating option uses a thermostatcontrolled immersed heater to raise the stored water temperature for blending with the cold supply water
- Cooling option lowers the stored water temperature using a chilling system for blending with the hot supply water
- Indoor and Arctic[®] freeze-protected outdoor models are available

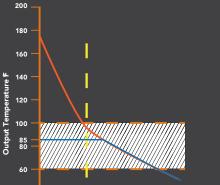


STORAGE VESSEL SYSTEMS

STORED WATER HEAT/COOL TIMES

Heat/Cool	Vessel Size	Time
9 KW Heater	120 Gallon	4 Hrs
9 KW Heater	300 Gallon	10.5 Hrs
6.3 KW Heater	120 Gallon	6 Hrs
6.3 KW Heater	300 Gallon	15 Hrs
3 Ton Chiller	400 Gallon	5 Hrs

(Left) Heating system including a hot water storage tank, blending system, over-temperature controls, relief valves, and dual recirculation and booster Pumps. Skid mounted for use in above freezing environments.



24 28 32

Time - Minutes

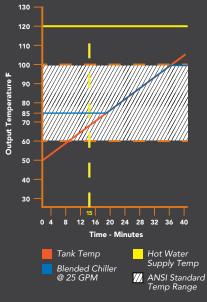
36 40

Cold Water Supply Temp

ANSI Standard

Blending Systems - Heating

Blending Systems - Cooling

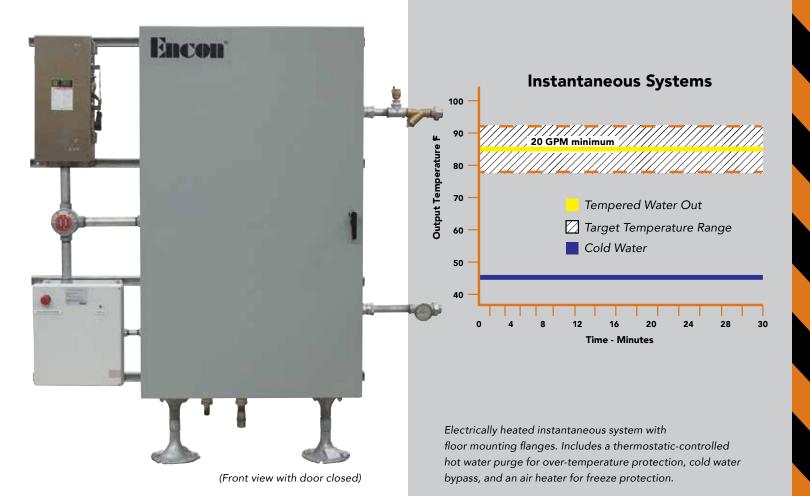


(Right) Heating system including a hot water storage tank, blending system, over-temperature controls, relief valves, and shower and eyewash. Skid mounted for use in above freezing environments.

40

Tank Temp

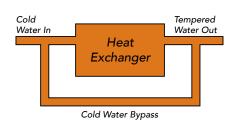
120 Gallon Tank @ 24 GPM & 300 Gallon Tank @ 55 GPM



Instantaneous Systems

- Water is passed through a steam or electric exchanger and instantaneously heated for blending with cold supply water
- Offers the lowest per-shower cost for multiple or simultaneous operation

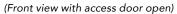


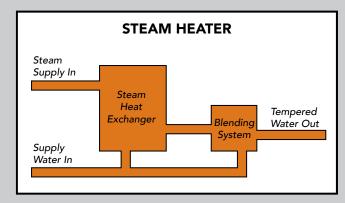


(Front view with door open)



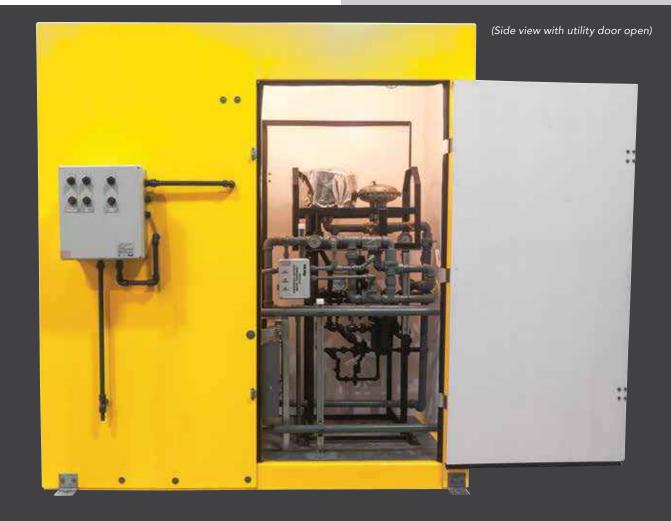






Instantaneous system including a steam exchanger, a blending system, cold water bypass, and over-temperature control.

Enclosed in a UV inhibited fiberglass structure with an internal room heater for freeze protection. This model includes recirculation pumps and booster pumps sized for the application.



and close" method with simple, turn-key designs making them low maintenance and easy to operate. A self-contained system stores flushing fluid at temperature for delivery to safety shower stations to meet compliance requirements.

Encon's self-contained tempering

systems provide the tepid water solution when your application is remote or doesn't have a readily available plumbed water source. These stand alone units have a "fill

Gravity Fed Systems

- Flushing fluid is stored in an overhead vessel
- System is gravity fed with no additional pressurization source needed for evacuation of flushing fluid
- Stored fluid temperature is maintained at 90°F by means of heating or cooling
- Models are available with or without side panels and doors for indoor applications and enclosed freeze protected with a room heater for outdoor applications
- Provides 15 minutes of flushing fluid for simultaneous use of the included shower and eyewash station
- Conveniently include a level gauge on the vessel to monitor the internal fluid level, and a Hydrosep Injector at the water inlet to bring in the water additive as the tank is filled

(Right) Gravity fed system including an overhead tempered water storage tank, over temperature control, and a shower and eyewash. This model is enclosed with UV inhibited panels and an internal room heater for protection against freezing.



Air Driven Systems

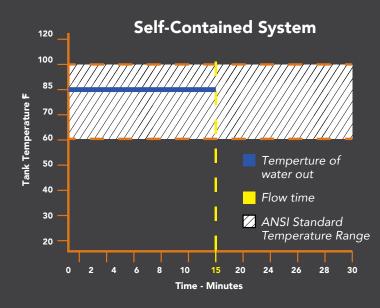
- Flushing fluid is stored in a standing vessel
- Stored water temperature is maintained at 90°F by means of heating or cooling
- Air distribution system includes air cylinders, stainless steel tubing, and pressure regulator to pressurize the system for use
- Indoor and Arctic[®] freeze-protected outdoor models are available

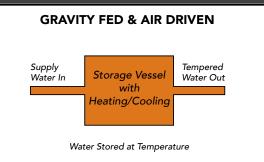
- Provides water capacity sufficient for 15-minutes of flow to the included shower & eyewash station
- A Hydrosep Injector located at the water inlet allows the water additive to be proportionately injected during tank fill

(Right) Air driven system including a tempered water storage tank, over-temperature control, relief valves, a shower and eyewash. Skid mounted for use in areas above freezing tempatures.

	ORED WAT HEATING TIMES	ER	
Heater	Vessel Size	Time	
2 KW	400 Gallon	16 Hrs	
6.3 KW	400 Gallon	5 Hrs	
9 KW	400 Gallon	4 Hrs	
2 KW	450 Gallon	18 Hrs	3
6.3 KW	450 Gallon	6 Hrs	
9 KW	450 Gallon	5 Hrs	







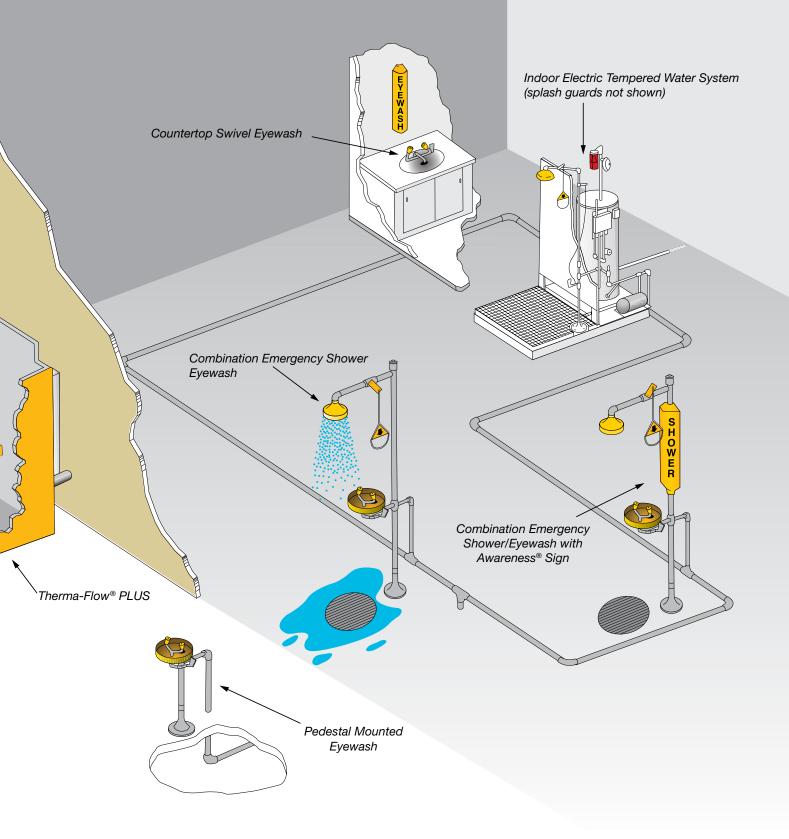
OUTDOOR

Arctic® Enclosed Steam Tempered Water System (supplying 3 showers simultaneously) Therma-Flow® Shower/Eyewash Temperature Control Station 10 Pre-traced Insulated and Covered Pipe (custom designed) Therma-Flow® Shower/Eyewash

> _ Therma-Flow[®] Shower/Eyewash

Note: The products shown in this artist's rendition are designed to depict the concepts illustrated and are not necessarily technically accurate.

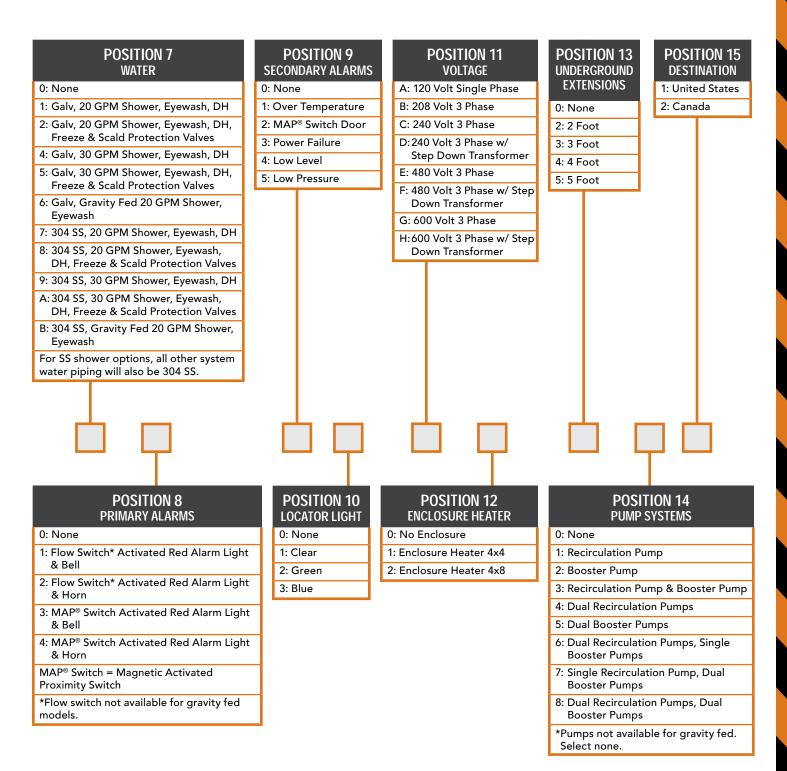




To generate a Model, select one item from each position, filling all 15 position digit boxes. For further assistance in Model Selection, Product Pricing or Application Assistance, contact Encon Customer Service Representative at 1-800-283-6266.

POSITION 1	POSITION 3 WATER TEMPERING 1: Blending System, 120 Gallon Storage	POSITION 5 SKID / ENCLOSURE & DRAIN LOCATION	
	2: Air Driven, 400 Gallon Storage	B: 4x4 Skid, No Drain	
	3: Blending System, 300 Gallon Storage	C: 4x8 Skid, No Drain	
	4: LP Steam 2-15 PSI, Blending System	D:4x8 Skid, Right Drain	
	5: MP Steam 50-70 PSI, Blending System	E: 4x8 Skid, Left Drain	
	6: HP Steam 85-150 PSI, Blending System	F: 4x8 Skid, Center Drain	
	7: Gravity Fed,w/ Overhead Storage	G:4x4 Enclosure, No Drain	
	8: Instantaneous Heater*	H:4x8 Enclosure, Right Drain	
	9: Chilling & Blending System*	J: 4x8 Enclosure, Left Drain	
	5 57	K: 4x8 Enclosure, Center Drain	
	*Special model no. and additional application info needed for system		
	specification.	L: 4x8 Enclosure, No Drain	
		M:Gravity Fed No side panels, Rt Drain	
		N:Gravity Fed No side panels, Lt Drain	
		P: Gravity Fed No side panels, Ctr Drain	
		Q:Gravity Fed Enclosure, Right Drain	
		R: Gravity Fed Enclosure, Left Drain S: Gravity Fed Enclosure, Center Drain	
5			
POSITION 2 ELECTRICAL CLASS	POSITION 4 STANDARD TANK	POSITION 6 COLOR & GRAPHICS	
A: NEMA-4	0: Non-ASME Vessel	0: None	
A: NEMA-4 B: NEMA 4X	0: Non-ASME Vessel 1: ASME UM Vessel	0: None 1: Yellow-English	
B: NEMA 4X	1: ASME UM Vessel	1: Yellow-English	
B: NEMA 4X C: Class 1 Div. 2, Group C&D	1: ASME UM Vessel 2: ASME UM Exchanger	1: Yellow-English 2: Green-English	
B: NEMA 4X C: Class 1 Div. 2, Group C&D D: Class 1 Div. 2, Group B E: Class 1 Div. 1, Group C&D* *C1D1 does not include CSA	1: ASME UM Vessel 2: ASME UM Exchanger	1: Yellow-English 2: Green-English 3: Yellow-French & English	
B: NEMA 4X C: Class 1 Div. 2, Group C&D D: Class 1 Div. 2, Group B E: Class 1 Div. 1, Group C&D*	1: ASME UM Vessel 2: ASME UM Exchanger	1: Yellow-English 2: Green-English 3: Yellow-French & English 4: Green-French & English	
B: NEMA 4X C: Class 1 Div. 2, Group C&D D: Class 1 Div. 2, Group B E: Class 1 Div. 1, Group C&D* *C1D1 does not include CSA	1: ASME UM Vessel 2: ASME UM Exchanger	1: Yellow-English 2: Green-English 3: Yellow-French & English 4: Green-French & English 5: Skid-English	

9: Skid-Spanish & English



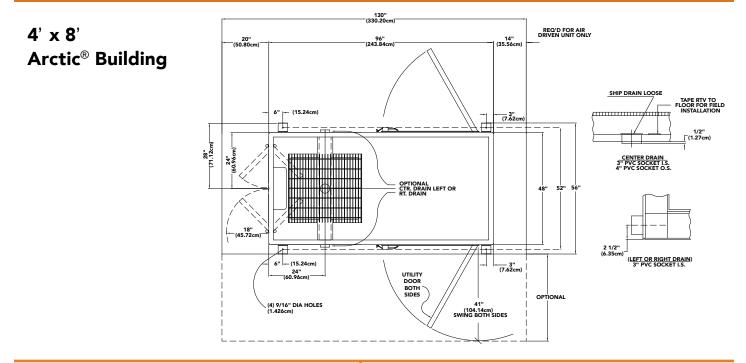
Notes

- Position 5 When an enclosed option with no drain is selected, a shower cannot be selected.
- Position 7 Drench hose is automatically not included with 120 & 400 gal systems. A special model number is needed when drench hose is required for these systems.
- Position 10 Locator light is separate from alarm light.
- Position 13 Dimensions reference length of pipe below grade.

Application Information Sheet Please fill out this form and email it to an Encon® Representative - customerservice@enconsafety.com

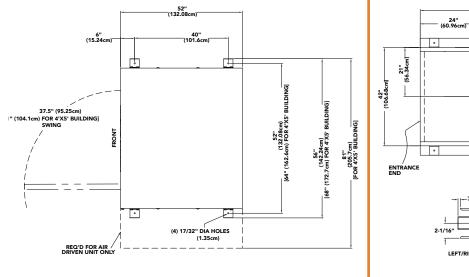
Customer Information					
Date:	Date Required:				
Company					
Company:					
Contact:					
Address:	City:		_ Country:		
Plant Location:	Telephone:	Email: _			
Facility Information					
Hazard:					
Low Temp:	Low Temp: Operative Temp:		_ High Temp:		
Supply Water Temps		Utilites			
High: Low: Normal:			ynamic) @ GPM:		
		Electrical Voltages Availa	ole:		
Steam Pressure Available: Y / N Steam T	emp: Length	of Recirc. Loop:	_ Max. Elevation:		
Supply Line Pipe Size: Pipe Ma	aterial:	Pipe Sc	hedule:		
Is there an Isometric Drawing available of th	ne facility that can be used	by Encon?			
Equipment Specification					
Number of Stations Showers: Eyewash:	Facewash	Drench	Hose:		
Showers Lyewash					
		sired Area Light Color:	Alarm Systems:		
	Plant Supplied	Green	□ Local		
 NEMA-4X Class 1, Div. 2, Group C&D 	Supplied with TWS	Clear Blue	Remote (3 amp)Audible		
 Class 1, Div. 2, Group Cab Class 1, Div. 2, Group B 		None	 Visual 		
 Class 1, Div. 1, Group C&D 	-	None			
 Others (Define on application) 					
Temperature (AIT) Classification:	F	reeze Protection Required	1?: Y / N		
Further Information For Review:					

Equipment Installation & Space Requirement Data

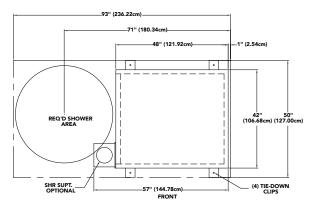


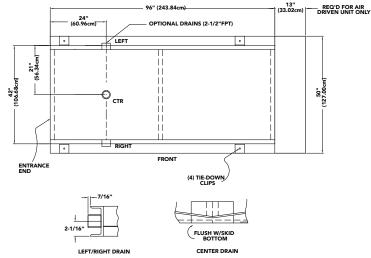
4' x 4' Arctic® Building

4' x 8' Skid



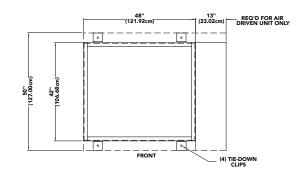
4' x 4' Skid with Shower Base





96" (243.84cm)

4' x 4' Skid





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www.enconsafety.com

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