ASSE CRITERIA

Joses Wilton Umes Wilton <th>Leonard Application</th> <th>ASSE Standard</th> <th>Title</th> <th>Description</th> <th>Example</th> <th>Types</th> <th>Range (°F)</th> <th>Minimum Flow (GPM)</th> <th>Output Temperature Flow Test</th> <th>Life Cycle Test</th> <th>Pressure &/or Temperature Variation</th>	Leonard Application	ASSE Standard	Title	Description	Example	Types	Range (°F)	Minimum Flow (GPM)	Output Temperature Flow Test	Life Cycle Test	Pressure &/or Temperature Variation
SectorNon-SectorS		1016-2017	Compensating Valves for Individual Showers and Tub/Shower	for Individual Showers and Tub/ Shower Combinations (herein referred to as the 'device') are	pressure-balanced		100 - 120	Manufacturer's minimum rated flow,	Manufacturer's minimum rated flow	✓	50% to hot or cold inlet, must maintain +/-3.6°F of set output temperature,
Image: Constraint of the			Combinations	temperature to wall-mounted showerheads either in individual shower or tub/shower combination fixtures in order to reduce the risk of scalding and							after varying pressure 20% to a hot or cold inlet, temperature can exceed +5.4°F/-9°F, but it cannot last longer than 1.5s/1.0s respectively. After 5 seconds, must maintain +-3.6°F from the set point. Must meet parameters with hot
King Yoose SystemKing Yoose for the Ware Instantion ware in the Ware Instantion ware instantion in the Ware Instantion in the Ware Instantion ware instantion in the Ware Instantion in the Ware Instantion in the Ware Instantion ware instantion in the Ware Instanting in the Ware Instantion in the Ware Instantion											Type T test conditions.
Guidance, Hydro Hersy100 2 000Testing Levices of instance individual or multiple fixtures of individual or multiple fixtures of<	Master Mixers	1017-2009	Mixing Valves for Hot Water Distribution	Valves for Hot Water Distribution Systems are used for controlling in-line water temperatures in domestic hot water systems and shall be installed at the hot water	valve located in a mechanical room with a hot water source supplying tempered water to the rooms and lavatories within	Inermostatic	105 - 120	Specific to device	NA	NA	based on flow at 10 psi +/- 0.5 psi. 3.0 - 5.0 GPM => Allowed +/-3°F Over 5.0 - 40.0 GPM => Allowed +/-5°F
Guidance, Hydro Hersy100 2 000Testing Levices of instance individual or multiple fixtures of individual or multiple fixtures of 											
Lears Jinks1072 013Wale Hinderative Imming DevicesWale Hinderative full mining pressures shall control and limit the hot or tempered water to sainks, lavatories or bathubs and are intended to reduce the risk of scalding."Internostatic room and supplying tom the mechanical room and supplying tangel lever fauces.Internostatic room	-	1069-2005	Temperature Control	control water temperature to individual or multiple fixtures to reduce the risk of scalding and thermal shock. These devices are intended to be installed where the bather has no access to the temperature adjustment means, and where no further mixing	valve located remotely from the mechanical room and supplying tempered water to shower room with push button metering	Thermostatic		2.5	Manufacturer's	v	pressure 20% to the inlets, temperature can exceed +5.4°F/-9°F, but it cannot last longer than 1.5s/1.0s respectively. After 5 seconds, must maintain +/-3.6°F from the set point. Must meet same parameters with hot water temperature
Mixing Valves for Plumbed Emergency Equipment Valves for Plumbed Emergency Equipment Valves for Plumbed Emergency Equipment valve located after the heat source and before a piece of emergency face wash, drench showers, and combination units are intended to be installed in systems that comply with ANSI 2358.1." 100 max based on flow at 30 psi.	Lavs/Sinks	1070-2015		Devices shall control and limit the hot or tempered water temperature to fittings or fixtures such as sinks, lavatories or bathtubs and are intended to	valve (a.k.a. point of use) located remotely from the mechanical room and supplying tempered water to bank of lavatories with	Thermostatic	105 - 110	Specific to device		✓	20% and increase inlet hot $+25^{\circ}$ F, the valve outlet shall remain $< 120^{\circ}$ F at all times; tested at flow equal to
	Safety Equipment	1071-2012	Mixing Valves for Plumbed Emergency	Valves for Plumbed Emergency Equipment (herein referred to as 'device'), including eyewash, eye/ face wash, drench showers, and combination units are intended to be installed in systems that	valve located after the heat source and before a piece of emergency equipment and supply	Thermostatic		Specific to device	NĂ	NA	based on flow at 30 psi. $1.5 < 7.0 \text{ GPM} => \text{Allowed} + 3^{\circ}\text{F}/.5^{\circ}\text{F}$ $7.0 < 20.0 \text{ GPM} => \text{Allowed} + 5^{\circ}\text{F}/.8.0^{\circ}\text{F}$ $20.0 < 40.0 \text{ GPM} => \text{Allowed} + 7^{\circ}\text{F}/.12^{\circ}\text{F}$ 40.0 GPM and over $=> Allowed+ 7^{\circ}\text{F}/.15^{\circ}\text{F}$

LEONARD SOLUTIONS

	Cold Water Failure	Hot Water Failure	Distribution		Shower		Emergency		Point of Use		
	Must reduce discharge to 0.5 GPM or 30% of minimum flow, whichever is less, before outlet water temperature reaches 120°F and within 5 seconds of pressure loss.	Must reduce discharge to 0.5 GPM or 30% of minimum flow, whichever is less, within 5 seconds.			Surfashower Type P or T p.16 PAM-II-ST-F Type P p.16 7600 Showermaster Type T p.16 6700 Advantage Type P p.16 4500 Aquatrol Type P	[] © © ©					
NA	NA	Next Generation High-Low Systems p.6 High Capacity Systems p.6 Megatron p.6 TM-26-LF	LEAD-FREE LEAD-FREE	p.16 XL:690-LF p.14	LEAD-FREE			270-LF p.12 370-LF	+		
			p.10 LV-Series p.10 XL-Series p.8 Nucleus Series p.4	LEAD-FREE LEAD-FREE LEAD-FREE LEAD-FREE					p.12	÷	
	Must reduce discharge to 0.5 GPM or less within 5 seconds to ensure output temperature does not exceed 120°F for devices 3/4" and smaller, or 1.0 GPM for devices 3/4" and larger.	NA	Megatron XL-690-LF pg. 14		XL690-LF p.14 269-LF p.14 369-LF p.14	LEAD-FREE IEAD-FREE					
	Must reduce discharge to 0.2 GPM or 20% of Manufacturer's suggested minimum flow, whichever is greater, before outlet temperature reaches 120°F or Manufacturer's stated maximum temperature, whichever is lower.	NA	Megatron p.ó	LEAD-FREE					170A-LF p. 12 170-LF p. 12 270-LF p. 12 370-LF p. 12	+ + + +	
	Upon cold water failure, and based on flow at 30 psi, the hot water shall continue to flow at a rate not to exceed the following conditions: 1.5 < 7.0 GPM => < 0.5 GPM 7.0 < 20.0 GPM => < 1.0 GPM 20.0 < 40.0 GPM => < 1.0 GPM 40.0 GPM and over $=> < 1.0 GPMThe output temperature shall notexceed 100°F prior to the reduction offlow to the device's maximum allowableflow rate, as stated above.$	Must achieve Manufacturer's stated by-pass flow rate at 30 psi.					TA-300-LF p.18 TM-800-LF p.18 TM-600-LF p.18 TM-850-LF p.18	200 200 200 200 200 200 200 200 200 200		12	