## ASSE International Product (Seal) Listing Program FACTORY AUDIT INSPECTION TEST REPORT ASSE 1070-2020 / ASME A112.1070-2020 / CSA B125.70-20

Performance Requirements for Water Temperature Limiting Devices

Manufacturer
Contact Person E-mail
Address
Laboratory File Number
Model # Tested
Model Size
Additional Models Report Applies to
Additional Model Information (i.e. orientation, series, end connections, shut-off valves)
Date Models Received by Laboratory Date Testing Began
Date Testing was Completed
If Models were Damaged During Shipment, Describe Damages:
Prototype or Production
Were All Tests Performed at the Selected Laboratory? ☐ Yes ☐ No
If offsite, identify location and tests involved:
General information and instructions for the testing engineer:
The results within this report apply only to the models listed above.
There may be items for which the judgment of the test engineer will be involved. Should there be a question of
compliance with that provision of the standard, a conference with the manufacturer should be arranged to enable a satisfactory solution of the question.
product is in compliance with all other requirements of the standard, file a complete report on the questionable
Should disagreement persist and compliance remain in question by the test agency, the agency shall, if the product is in compliance with all other requirements of the standard, file a complete report on the questionable items together with the test report, for evaluation by the ASSE Seal Board. The Seal Board will then review and rule on the question of compliance with the intent of the standard then involved.

the testing agency, a bill of material which clearly identifies the material of each part included in the product

construction. This identification must include any standards which relate thereto.

4.3 Tei	•	re and Pressure Test vices integral to a fixture fitting, test the device in accordance with ASME A112.18.1/CSA		
	Ambient temperature of laboratory environment:°F (°C)			
	Does the device have an integral closure mechanism?  Yes No Questionable  If questionable, explain:			
		If yes, close the mechanism. If no, skip to next table.         Temperature       Pressure       Time       Leak?         a)       _°F (°C)       _psi (kPa)       _min       _Yes       _No         b)       _°F (°C)       _psi (kPa)       _min       _Yes       _No         c)       _°F (°C)       _psi (kPa)       _min       _Yes       _No         d)       _°F (°C)       _psi (kPa)       _min       _Yes       _No		
Is the c		Open the mechanism if available. Block the outlet.  Temperature Pressure Time Leak?  a)°F (°C)psi (kPa)min		
4.6		essure and Temperature Variation Test		
If no or questionable, explain				
		Data collection frequency:Hz  Outlet temperature averaged everyseconds  Temperature sensors are in a Type copper water tube.  Are the sensors located per section 4.6.1(d) of the standard?  Yes No Questionable		
	If no or	questionable, explain		
	Size of	the outlet tube inner diameter:in (mm)		

4.6.2.2(a)	open valves V1, V2, and V3. If the device uses a flow control, remove V3 from test assembly for flow control to be used.
	For all other devices, output flow rate set at:gpm (Lpm)
4.6.2.2(b)	Hot water supply pressure (P1):psi (kPa)  Cold water supply pressure (P2):psi (kPa)
4.6.2.2(c)	Hot water supply temperature (T1):°F (°C)  Cold water supply temperature (T2):°F (°C)
4.6.2.2(e)	Outlet temperature (T3):°F (°C)
4.6.2.2(g)	Water flowed formin Outlet temperature (T3):°F (°C)
4.6.2.3. 4.6.2.3(a)	Hot water supply pressure (P1):psi (kPa)  Average outlet temperature (T3) over 20±5 seconds after first 5 seconds:°F (°C)  Hot water supply pressure (P1) returned to:psi (kPa)
4.6.2.3(b)	Hot water supply pressure (P1):psi (kPa)  Average outlet temperature (T3) over 20±5 seconds after first 5 seconds:°F (°C)  Hot water supply pressure (P1) returned to:psi (kPa)
4.6.2.3(c)	Cold water supply pressure (P2):psi (kPa)  Average outlet temperature (T3) over 20±5 seconds after first 5 seconds:°F (°C)  Cold water supply pressure (P2) returned to:psi (kPa)
4.6.2.3(d)	Cold water supply pressure (P2):psi (kPa)  Average outlet temperature (T3) over 20±5 seconds after first 5 seconds:°F (°C)  Cold water supply pressure (P2) returned to:psi (kPa)
4.6.2.3(e)	Hot water supply temperature (T1):°F (°C) Rate at which temperature was increased:°F/min (°C/min) Average outlet temperature (T3) over 20±5 seconds after first 5 seconds:°F (°C) Hot water supply temperature (T1) returned to:°F (°C)
	ce in compliance with this section?
	old Water Supply Failure Test Stall device per Figure 1 of the standard.

	Hot inlet supply pressure:psi (kPa) Cold inlet supply pressure:psi (kPa) Cold water supply closed overseconds
	Maximum allowable temperature specified by manufacturer, if present:°F (°C)  Flow rate at which outlet reached the above temperature or 120°F (49°C), whichever is lesser:gpm (Lpm)
	Minimum rated flow as specified by manufacturer:gpm (Lpm)
Is the d	evice in compliance with this section?
4.8	Hydrostatic Pressure Test Flow water to remove air from device. Close outlet.
	Hot inlet supply pressure, flowing:psi (kPa)  Cold inlet supply pressure, flowing:psi (kPa)  Test period: minutes.
	Was there any leakage? ☐ Yes ☐ No ☐ Questionable  If yes or questionable, explain
Is the d	evice in compliance with this section?
Section	on V
5.6	Did the literature include (check if present):  ☐ Rated temperature if less than 120°F (49°C)

LISTED LABORATORY:				
ADDRESS:				
	FAX:			
TEST ENGINEER(S):				
If applicable:				
OUTSOURCED LABORATORY:				
ADDRESS:				
PHONE:	FAX:			
TEST ENGINEER(S):				
Scope of outsourced testing:				
We certify that the evaluations are based on our best judgments and that the test data recorded is an accurate record of the performance of the device on test.				
Signature of the official of the listed laboratory:	Signature			
Title of the official:	Date:			