American Society of Sanitary Engineering Seal (Certification) Program

Factory Audit Inspection Test for: Water Hammer Arresters

Tested under ASSE Standard 1010 • Revised: 2004 Factory Audit Inspection Test

Manufacturer		
Model No		
Address		
Serial No		
Other Identification Markings		
Size		
Connections (screwed, flanged, etc.)		
Size of Orifice in Arrester inches (Type and Size of Connector Attached to Arrester	•	
Compression - Size of Orifice in connector _ PEX- Size of Orifice in connector	inches (inches (
	inches (
	inches (
Other - Size of Orifice in connector	inches (mm)
When testing a water hammer arrester with more the each connector is of equal or larger size than the connector need be tested. All connectors with an nammer arrester must be tested for full compliance to	orifice of the water horifice size smaller that	nammer arrester, only one
3.1 Shock Absorbing Capacity Test		
Was the test rig so designed and arranged that th		-
energy imposed by the abrupt stoppage of a 50 fo	,	.
pressure and velocity in a standard schedule 40 s	· ·	
If questionable, explain:		Yes No Questionable
(a) What was the valve closure speed?	milliseconds	

	(b) What was the flowing pressure? psi (kPa.)
	In compliance?
	If questionable, explain:
3.2	Endurance Test
	(a) What was the water temperature during the first 5000 cycles of the test?°F (°C)
	(b) What was the surge pressure (average of five (5) readings) at the beginning of the first 5000 cycles? psi (kPa)
	(c) What was the maximum total pressure recorded at the 5000th cycle? psi (kPa)
	(d) What was the water temperature during the last 5000 cycles of the test?°F (°C) (e) What was the surge pressure (average of five (5) readings) at the end of the first 5000 cycles? psi (kPa)
	(f) What was the maximum total pressure recorded at the 10,000 th cycle psi (kPa) (g) What was the average of the two maximum total pressure readings? psi (kPa) In compliance? Yes No Questionable If questionable, explain:

LICTED LABORATORY			
LISTED LABORATORY:			
ADDRESS:			
PHONE:	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:		