STANDARDS UPDATE NOTICE (SUN)
ISSUED: March 29, 2018

STANDARD INFORMATION

Standard Number: UL 569
Standard Name: Standard for Pigtails and Flexible Hose Connectors for LP-Gas
Standard Edition and Issue Date: 8th Edition Dated November 19, 2013
Date of Revision: July 28, 2017
Date of Previous Revision of Standard: November 19, 2013

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 6, 2019**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes: Revision to the moist ammonia-air stress cracking test. Specific details of new/revised requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are shown underlined and deletions are shown ~~lined-out.~~
23	Info	**Moist Ammonia-Air Stress Cracking Test**
23.1		After being subjected to the conditions described in 23.2 – 23.4, a brass part containing more than 15 percent zinc shall: ~~show no evidence of cracking when examined using 25X magnification.~~ a) Show no evidence of cracking, delamination, or degradation; or b) Perform as intended when tested as described in 23.5.
23.2		~~Each test sample~~ One test sample of each size is to be subjected to the physical stresses normally imposed on or within a part as the result of assembly with other components. Such stresses are to be applied to the sample prior to and maintained during the test. A ferrule or end-connecting fitting used in the assembly of a flexible connector is to be tested prior to crimping the hose.
23.3		Pipe-threaded ends (NPT) are to be torqued to brass companion fittings as specified in Table 23.1. ~~Other threaded parts are to be tightened to the brass companion fittings to the degree necessary to produce a leaktight assembly~~ Samples with female threads other than tapered pipe threads shall be torqued as specified by the manufacturer. Samples with male threads are evaluated as received. Teflon tape or pipe thread compound are not be used on the threads.
Table 23.3		**Torque requirements for pipe thread (NPT) connections**

Nominal pipe size,[a] inches	Torque, pounds-inches	(N·m)
1/8	150	(16.9)
1/4	250	(28.3)
3/8	450	(51.9)
1/2	800	(90.4)
3/4	1000	(113.0)
1	1200	(135.5)
1-1/4	1450	(163.8)
1-1/2	1550	(175.1)
2	1650	(186.4)
2-1/2	1750	(197.7)
3	1800	(203.4)
3-1/2	1850	(209.0)
4	1900	(214.7)

[a] ANSI/ASME B1.20.1-1983(R92).

23.4		~~Three samples are to be degreased and then continuously exposed in a set position for ten days to a moist ammonia air mixture maintained in a glass chamber 305 by 305 by 305 mm (12 by 12 by 12 inches) having a glass cover~~ The samples are then to be tested in accordance with Apparatus, Section 6, Reagents and Materials, Section 7, Test Media, Section 8, Test Sample Preparation (9.3 – 9.4), Test Procedure (10.1 – 10.4) of the Standard Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys, ASTM B858-06, except the pH level of the test solution shall be High 10.5 ±0.1 and the exposure temperature shall be 25 ±1°C.

23.5	~~600 ml of aqueous ammonia having a specific gravity of 0.94 is to be maintained at the bottom of the glass chamber below the samples. The samples are to be positioned 1-1/2 inches (38.1 mm) above the aqueous ammonia solution and supported by an inert tray. The moist ammonia-air mixture in the chamber is to be maintained at atmospheric pressure and at a temperature of 34 ±2°C (93 ±3.6°F).~~ After the exposure period, the samples are to be examined for cracks or other signs of stress corrosion using a microscope having a magnification of 25X. Pressure-confining parts exhibiting degradation as indicated in 23.1 as a result of the test exposure described in 23.2, 23.3, and 23.4 shall withstand the proof pressure test for 5 minutes.
	CUSTOMERS PLEASE NOTE: This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.