UL 2586A

Outline of Investigation for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85)

Issue Number: 5

April 15, 2014

Summary of Topics

This fifth issue of the Outline of Investigation for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85), UL 2586A, is being issued to clarify the secondary shut off operation.

This outline is effective April 30, 2015. Prior to the effective date, the requirements for products covered in this outline are included in the ninth edition of the Standard for Valves for Flammable Fluids, UL 842.

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CONTENTS

INTRODUCTION

1 Scope 5
2 General 6
2.1 Components 6
2.2 Units of measurement 7
2.3 Undated references 7
3 Glossary 7

CONSTRUCTION

4 Assembly 8
4.1 General 8
4.2 Hose nozzle valves 8
5 Materials 10
5.1 Metallic materials 10
5.2 Nonmetallic materials 13
5.3 Casting impregnation materials 15
5.4 Internal parts 15
5.5 Blending options 16
6 Bodies and Covers 16
7 Diaphragms 18
8 Springs 18
9 Operating Mechanisms 18

PERFORMANCE

10 General 19
11 Deformation Test 20
12 Long Term Exposure Test 20
12.1 General 20
12.2 Samples 21
12.3 Method 21
12.4 Results 22
13 External Leakage Test 22
14 Hose Nozzle Valve Guard Strength Test 23
15 Operation Test 24
15.1 Automatic hose nozzle valve 24
15.2 Bellows secondary shut off operation 25
16 Pull Test 25
17 Sensitivity Test 26
18 Hose Nozzle Endurance Test 26
19 Bellows Secondary Shut Off Operation Test 27
20 Visible Discharge Indicator Tests 27
20.1 Thermal shock test 27
20.2 Drop test 27
21 Hydrostatic Strength Test 28
22 Electrical Continuity Test 28
23 Salt Spray Test 28
24 Moist Ammonia-Air Stress Cracking Test 29

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25 Marking Adhesion Test 29
26 Blending Cycling Test 30

MANUFACTURING AND PRODUCTION TESTS

27 General 31

INSTALLATION INSTRUCTIONS

28 General 31

MARKING

29 General 32

SUPPLEMENT SA - Test Fluids

SA.1 Details SA1

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INTRODUCTION

1 Scope

1 effective April 30, 2015

1.1 These requirements cover hose nozzle valves that are intended to be used for the control of motor fuels as indicated in 1.2. They are of the type used in motor fuel dispensing equipment. Hose nozzle valves covered by this standard are for use with motor fuels which are handled at temperatures within the range of minus 29°C (minus 20°F) to 52°C (125°F) and an operating pressure of minimum 50 psi (350 kPa).

1.2 Hoze nozzle valves covered by these requirements are intended for use with one or more of the following as applicable:

a) Gasoline formulated in accordance with the Standard Specification for Automotive Spark-Ignition Fuel, ASTM D4814;

b) Gasoline/ethanol blends with nominal ethanol concentrations up to 25 percent ethanol (E25), consisting of gasoline formulated in accordance with the Standard Specification for Automotive Spark-Ignition Fuel, ASTM D4814, when blended with denatured fuel ethanol formulated to be consistent with the Standard Specification for Denatured Fuel Ethanol for Blending With Gasolines For Use as Automotive Spark-Ignition Engine Fuel, ASTM D4806; or

c) Gasoline/ethanol blends with nominal ethanol concentrations above 25 percent formulated in accordance with the Standard Specification in item (b) or formulated in accordance with the Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark-Ignition Engines, ASTM D5798.

1.3 These requirements cover hose nozzle valves of the manually operated and automatic pressure operated type.

When they form a part of an assembly which provides for additional functions or service, the requirements are outside the scope of these requirements.

1.4 These requirements do not cover the following:

a) Hose nozzle valves for handling liquids under cryogenic conditions.

b) Hose nozzle valves for general refinery service, offshore and pipe line terminals, natural gas processing plants, gas distribution systems, petrochemical processing facilities, or the like.

c) Hose nozzle valves operated wholly or partially by electricity or battery.

1.5 This outline does not cover hose nozzle valves for use with diesel, biodiesel, diesel/biodiesel blends, kerosene or fuel oil, which are covered under the Outline of Investigation for Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil, UL 2586B.

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