

January 25, 2011

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SUBJECT 327

OUTLINE OF INVESTIGATION

FOR

TURBINE TYPE FLOW METERS FOR FIRE PROTECTION SYSTEMS

Issue Number 5

January 25, 2011

Summary of Topics

This is the Fifth Issue of the Outline of Investigation for Turbine Type Flow Meters for Fire Protection Systems, Subject 327, including revisions to the Outline title, the Scope, and the Construction and Performance requirements; and the addition of the Glossary and the requirements for Instructions.

This issue becomes effective January 25, 2011, except for the Calibration Test, Section 17, which becomes effective January 25, 2013. See the Calibration Test, Section 14 of the Fourth Issue for the current requirements until the effective date is met.

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CONTENTS

INTRODUCTION

1 Scope	4
2 Components	4
3 Glossary	5
4 Units of Measurement	6
5 Undated References	6

CONSTRUCTION

6 General	6
7 Sizes	6
8 Rated Pressure	6
9 Nonmetallic Materials	6
10 Type I and Type II Meter Assemblies	7
11 Strainers	7

PERFORMANCE

12 General	7
13 Nonmetallic Materials Test	7
13.1 Plastic or other nonmetallic parts (excluding rubber and synthetic elastomers)	7
13.2 Elastomeric parts (excluding gaskets)	8
14 Leakage Test	9
15 Hydrostatic Test	9
16 Hydraulic Friction Loss Test	9
17 Calibration Test	10
18 Endurance Test	10

MANUFACTURING AND PRODUCTION TESTS

19 General	11
------------------	----

MARKING

20 General	11
------------------	----

INSTRUCTIONS

21 General	12
------------------	----

INTRODUCTION

See Section 14 of the Fourth Issue for the current requirements for the Calibration Test, Section 17 of this Issue, until the effective date is met.

1 Scope

1.1 These requirements cover the construction and performance of turbine type water flowmeters for fire protection service of Type I, Type II or Type III construction.

1.2 The following items are outside the scope of these requirements:

- a) Materials and construction of the register;
- b) Evaluation of the by-pass components, including the by-pass meter if provided, except for body leakage and strength of body;
- c) Potability and;
- d) Stationary static gaskets, such as cover gaskets and ring gaskets used between flanges.

2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this Outline shall comply with the requirements for that component.

2.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this Outline; or
- b) Is superseded by a requirement in this Outline.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.