

STANDARD INFORMATION

Standard Number: UL 448

Standard Name: Centrifugal Stationary Pumps for Fire-Protective Service

Standard Edition and Issue Date: 11th Edition Dated October 20, 2017

Date of Revision: October 20, 2017

Date of Previous Revision of Standard: 10th Edition Dated February 5, 2016

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **November 15, 2019**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes: This new edition of ANSI/UL 448 was issued to update testing details. Specific details of new/revise 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/revise paragraphs noted in the attached or explain why these new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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CLAUSE	VERDICT	COMMENT
<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>		
MANUFACTURING AND PRODUCTION TESTS		
27	Info	<p>General</p> <p>To verify compliance with these requirements in production, the manufacturer shall provide the necessary production control, inspection, and tests. The program shall include at least the following:</p> <p>a) Each pump is to be subjected to the tests specified in 24.6 and 24.10, and shall comply with the applicable requirements in 24.1 – 24.4. <u>Each outlet of multistage multiport pumps shall be tested for compliance with the applicable requirements.</u> For a vertical turbine pump provided with a suction vessel, the suction vessel is to be included in the test.</p> <p>b) Each pump is to be tested hydrostatically for not less than 5 minutes. The test pressure is to be not less than 1-1/2 times the maximum working pressure of the pump, but in no case less than 250 psi (1724 kPa). There shall be no rupture or leakage through the castings at the test pressure. For a vertical turbine pump, both the discharge head and pump’s bowls are to be tested but are permitted to be tested separately. The suction vessel of a vertical-turbine pump is to be tested at twice the rated maximum suction pressure of the pump.</p> <p>c) The impeller(s) of each pump shall be balanced in accordance with the requirement in 6.8.</p> <p>d) Records are to be maintained of all tests conducted.</p>
MARKING		
28	Info	<p>General</p> <p><i>New clause added;</i></p> <p>28.4 The marked values referenced in 28.3 (b), (c), (f), (g), (j) and (k) shall be in accordance with the data generated during the production operation (adjusted to rated speed) and hydrostatic tests (See 27.1).</p>
<p>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.</p>		