



# UL 428A

## STANDARD FOR SAFETY

Electrically Operated Valves for  
Gasoline and Gasoline/Ethanol Blends  
with Nominal Ethanol Concentrations  
Up to 85 Percent (E0 – E85)

ULNORM.COM : Click to view the Full PDF of UL 428A 2022

[ULNORM.COM](https://ulnorm.com) : Click to view the full PDF of UL 428A 2022

UL Standard for Safety for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 – E85), UL 428A

Second Edition, Dated June 7, 2022

### **Summary of Topics**

***This new edition of ANSI/UL 428A dated June 7, 2022 includes the following:***

- Deletion of redundant requirements***
- Operations Test***

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated March 18, 2022.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of UL.

UL provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if UL or an authorized UL representative has been advised of the possibility of such damage. In no event shall UL's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold UL harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

No Text on This Page

[ULNORM.COM](https://ulnorm.com) : Click to view the full PDF of UL 428A 2022

JUNE 7, 2022



ANSI/UL 428A-2022

1

## UL 428A

### **Standard for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 – E85)**

Prior to the first edition, the requirements for the products covered by this standard were included in the Outline of Investigation for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 – E85), UL 428A.

First Edition – June, 2015

#### **Second Edition**

**June 7, 2022**

This ANSI/UL Standard for Safety consists of the Second Edition.

The most recent designation of ANSI/UL 428A as an American National Standard (ANSI) occurred on June 7, 2022. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

UL's Standards for Safety are copyrighted by UL. Neither a printed nor electronic copy of a Standard should be altered in any way. All of UL's Standards and all copyrights, ownerships, and rights regarding those Standards shall remain the sole and exclusive property of UL.

**COPYRIGHT © 2022 UNDERWRITERS LABORATORIES INC.**

**UL COPYRIGHTED MATERIAL – NOT AUTHORIZED FOR FURTHER**

**REPRODUCTION OR DISTRIBUTION WITHOUT PERMISSION FROM UL INC.**