UNIVERSAL VALVE COMPANY, INC.

478 SCHILLER STREET, ELIZABETH, NEW JERSEY 07206
(908) 351-0606 FAX: (908) 351-0369

Model 49-02

One Part number all fuels compatible.

Future proof your tank.

Install today and stay compatible for future fuel blends.

UL2583

49-02 Fuel Compatibility: gasoline/ethanol blends with ethanol concentrates up to 85%(E-85), 100% (B100) biodiesel fuel or diesel/biodiesel fuel blends with nominal biodiesel fuel concentrations up to 20% (B20)

Installation in an AST or UST. No minimum flow rate is needed. Compatible with Pressure and Gravity Fills.

Peter Mascis
National Sales Manager
908-351-0606 EXT 221
peterm@universalvalve.com

Unmatched Value!

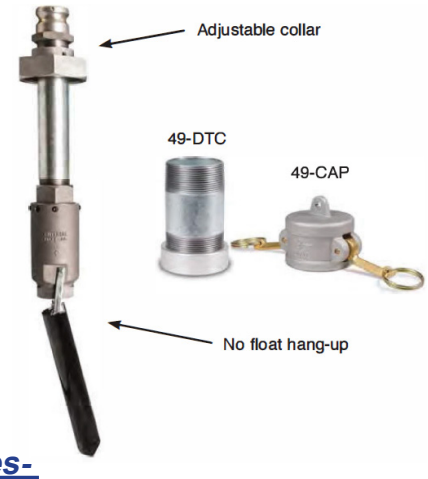
OVERFILL PROTECTION VALVES

AST/UST VALVE

Application:

Prevent overfills in AST's and UST's

Part Number - 49

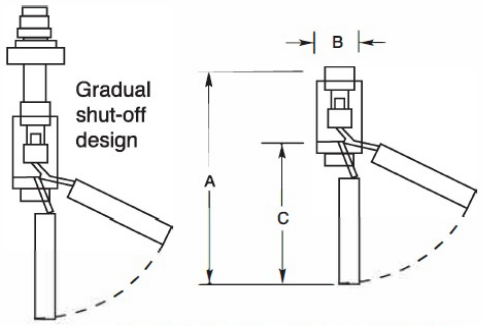


UNIVERSAL ADVANTAGE:

The best overfill protection available today. No line shock and gradual shut-off to eliminate any stress on the system. One part number -direct fill or remote fill. **Compatible with gasoline and ethanol blends up to E85. Diesel and biodiesel blends up to B20 and B100.**

Features-

- No line shock, gradual shut-off
- No stress on system
- Prevents overfills reducing contamination and costly clean up.
- No need to specify remote or direct fill
- Compatible with fuel blends up to E85,diesel blends up to B20 and B100
- Can be pressure or gravity filled. Ideal for AST's that are below grade.



U.L. Approved for both Pressure and Gravity Fill Applications. No Minimum Flow Rate Required.

Construction-

- Anodized aluminum
- Nickel plated steel
- FKM Seals

Part Number	Fill adapter	weight	A	B	C
49-02	2"	10lbs	22-3/8	3-11/16"	15-3/4"
49-03	3"	10lbs	22-3/8	3-11/16"	15-3/4"

Replacement Parts

Part Number	Description
49-C-3	3x2 Fill Adapter
49-C	2" Fill adapter
49-CAP	2" Fill cap (sold seperatly)
49-D	2" x 4" Adapter
49-L	Adapter O-ring
49-O	Replacemnt Float
49-V	2" x12" Nipple
49-44-B	Adapter Gasket
49-DTC	Drop Tube connector (sold seperatly)

c UL us LISTED

UNIVERSAL VALVE COMPANY
478 Schiller Street, Elizabeth, NJ 07206 • (800) 223-0741 • (908) 351-0606 • Fax: (908) 351-0369 • www.universalvalve.com

UNIVERSAL VALVE COMPANY, INC.
478 SCHILLER STREET, ELIZABETH, NEW JERSEY 07206
(908) 351-0606 FAX: (908) 351-0369

Model 49-02 Overfill Prevention Valve

MH21139 Standard: ANSI/CAN/UL/ULC 2583

These products are intended for use with storage tanks or fueling systems containing automotive fuels under the expected use conditions and exposures that have similar chemical, physical and material compatibility properties as represented in these requirements. Typically those liquids identified in US Code of Federal Regulations 40 CFR Part 80 “Regulation of Fuels and Fuel Additives” or fuels regulations made under sections 140 or 145 of the Canadian Environmental Protection Act, 1999 (CEPA, 1999), and compliant with only the Fuel Specifications below that are dispensed in commercial or fleet motor vehicle fueling stations for use in automotive engines (internal combustion or compression ignition):
1) ASTM D4814, Standard Specification for Automotive Spark-Ignition Engine Fuel, or CAN/CGSB-3.511, Oxygenated Automotive Gasoline Containing Ethanol (E1-E10): AKA gasoline, gasohol, oxygenated gas, or low blend ethanol (maximum E10)
2) ASTM D5798, Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark-Ignition Engines, or CAN/CGSB-3.512, Automotive ethanol fuel (E50-E85): AKA high blend ethanol or (E51 – E83)
3) ASTM D975, Standard Specification for Diesel Fuel, or CAN/CGSB 3.517, Diesel Fuel, or CAN/CGSB-3.520, Diesel fuel containing low levels of biodiesel (B1 – B5): AKA on-road diesel, or low blend biodiesel (maximum B5)
4) ASTM D7467, Standard Specification for Diesel Fuel Oils, Biodiesel Blend, or CAN/CGSB-3.522, Diesel Fuel Containing Biodiesel (B6 – B20): AKA mid blend biodiesel (B6 – B20)
5) Mid-Range Ethanol Blends (E11 – E50) using variable mixtures of ASTM D4814 or CAN/CGSB-3.511 Low Blend Ethanol and ASTM D5798 or CAN/CGSB-3.512 High Blend Ethanol.
6) Isobutanol Fuel Blends (maximum iBu16) using variable mixtures of ASTM D4814 or CAN/CGSB-3.511 Gasoline (E0) and ASTM D7862, Standard Specification for Butanol for Blending with Gasoline for Use as Automotive Spark-Ignition Engine Fuel, (2-methyl-1-propanolisomer).

49-02 Fuel Compatibility: gasoline/ethanol blends with ethanol concentrates up to 85%(E-85), 100% (B100) biodiesel fuel or diesel/biodiesel fuel blends with nominal biodiesel fuel concentrations up to 20% (B20)

UNIVERSAL VALVE COMPANY, INC.
478 SCHILLER STREET, ELIZABETH, NEW JERSEY 07206
(908) 351-0606 FAX: (908) 351-0369

Gasket material Fuel compatibility

UL87A and UL2568A gasoline/ethanol blends with ethanol concentrates up to 85%(E-85)
UL87B and UL2586B 100% (B100) biodiesel fuel or diesel/biodiesel fuel blends with nominal biodiesel fuel concentrations up to 20% (B20)

Nickel Plating:

Nickel plating is compatible with a wide range of fuels, including gasoline, diesel, and biodiesel. Electroless nickel plating, particularly formulations with a high phosphorus content, offers exceptional corrosion resistance that is ideal for fuel system components.

Compatible fuels

Gasoline: Nickel plating is highly resistant to standard petrol and can withstand modern fuel blends containing high concentrations of ethanol. It is used to protect parts in automotive fuel systems, such as fuel rails, from corrosion and wear.

Ethanol: High-phosphorus electroless nickel plating is "ethanol-proof," making it a reliable choice for fuel systems using high-ethanol blends, where it resists the peeling and flaking that can affect other coatings.

Diesel and biodiesel: Electroless nickel plating creates an effective corrosion barrier against both diesel and biodiesel fuels. It is widely used for hydraulic fittings and other components in biodiesel-powered machinery to prevent oxidation and extend the system's life.

Oil and gas: The oil and gas industry uses electroless nickel plating on critical components for its resistance to petroleum environments and corrosive agents like chlorides and brines.

Aluminum:

Anodized aluminum is compatible with many common fuels, including gasoline, diesel, methanol, and jet fuel, due to its enhanced corrosion resistance. The anodized surface, a hard oxide layer, protects the aluminum alloy from deterioration that can be caused by exposure to certain chemicals or contaminants in fuel.

Specific fuel compatibility

Gasoline: Anodized aluminum is fully compatible with standard gasoline, as the process prevents corrosion that can occur with untreated aluminum, especially when contaminated with water.

Ethanol blends (like E85): While some studies show that ethanol can cause corrosion in untreated aluminum, anodized aluminum is generally compatible with ethanol-containing fuels. Many high-performance fuel system components are made from anodized aluminum and are designed to handle these blends.

Diesel fuel: The anodized surface provides excellent corrosion resistance against diesel fuel. Compatibility charts confirm that aluminum has an "Excellent" rating for exposure to diesel.

Methanol and Nitromethane: High-performance racing components, such as fuel valves, are commonly made from anodized aluminum to ensure durability and resistance to these aggressive fuels.

Jet fuel: Anodized aluminum is a standard material in the aerospace industry for fuel system components due to its corrosion resistance, durability, and lightweight properties. It is highly compatible with the demands of jet fuels.

November 4, 2025

Certificate of Compliance

Certificate Number(s):

UL-US-2590462-0

Report Reference:

MH21139-20160627

Issue Date:

2025-11-04

Issued to:

UNIVERSAL VALVE CO INC
478 Schiller St, Elizabeth, UNION, NJ, 07206-2113, US

This certificate confirms that representative samples of:

EGVV - Tank Accessories for Flammable and Combustible Liquids

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

ANSI/CAN/UL/ULC 2583:2021, Ist Ed., Issue Date: 2021-12-08

Additional Information:
See UL Product iQ® at https://iq.ulprospector.com for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

David Piecuch
UL Mark Certification Program Manager

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at https://www.ul.com/contact-us.

CERTIFICATE OF COMPLIANCE

Certificate number(s): UL-US-2590462-0
Report reference: MH21139-20160627
Issue Date: 2025-11-04

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Overfill protection devices for pressure & gravity fill applications, flammable & combustible liquids, max pressure 36.5 psig, max flow rate 200 gpm

Model(s): 49-2 (NPS 2)

Certificate of Compliance

Certificate Number(s):

UL-CA-L21139-12531-72606102-3

Report Reference:

MH21139-20160627

Issue Date:

2025-11-04

Issued to:

UNIVERSAL VALVE CO INC
478 Schiller St, Elizabeth, UNION, NJ, 07206-2113, US

This certificate confirms that representative samples of:

EGVV7 - Tank Accessories for Flammable and Combustible Liquids Certified for Canada

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

ANSI/CAN/UL/ULC 2583:2021, Ist Ed., Issue Date: 2021-12-08

Additional Information:
See UL Product iQ® at https://iq.ulprospector.com for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

David Piecuch
UL Mark Certification Program Manager

CERTIFICATE OF COMPLIANCE

Certificate number(s): UL-CA-L21139-12531-72606102-3
Report reference: MH21139-20160627
Issue Date: 2025-11-04

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Overfill protection devices for pressure & gravity fill applications, flammable & combustible liquids, max pressure 36.5 psig, max flow rate 200 gpm

Model(s): 49-2 (NPS 2)