



### MHKZ.GuideInfo Manual Valves

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## [Heating and Heating-Cooling Appliance Accessories] (Valves) Manual Valves

[See General Information for Valves](#)

#### USE

This category covers manually-operated valves intended specifically for use with gas- or oil-burning equipment:

**Metering valves** are intended primarily for use in the burner fuel supply line to manually regulate the flow of fuel to the burner.

**Shutoff valves** are intended for use in the burner supply line to manually shut off the flow of fuel to the burner.

**Three-way valves** are intended for use in burner installations with two interconnected sources of fuel supply to allow fuel to be admitted to the burner from only one source at a time.

The type of fluid for which a valve has been investigated is designated in accordance with the symbols referenced under Valves (MFVV).

This equipment is intended for use with fuels formulated in accordance with 40CFR80, "Regulation of Fuels and Fuel Additives," and the following:

a) gasoline formulated in accordance with ANSI/ASTM D4814, "Standard Specification for Automotive Spark-Ignition Engine Fuel"

BRASS

b) gasoline/ethanol blends at levels designated as "gasohol" (E10) or less formulated in accordance with ANSI/ASTM D4814, when blended with denatured fuel ethanol formulated in accordance with ANSI/ASTM D4806, "Standard Specification for Denatured Fuel Ethanol for Blending with Gasolines for Use as Automotive Spark-Ignition Engine Fuel"

STAINLESS

c) gasoline/ethanol blends at levels designated greater than 10% ethanol (E10) formulated in accordance with ANSI/ASTM D5798, "Standard Specification for Fuel Ethanol (Ed75-Ed85) for Automotive Spark-Ignition Engines"

d) diesel fuel formulated in accordance with ANSI/ASTM D975, "Standard Specification for Diesel Fuel Oils"

e) kerosene formulated in accordance with ANSI/ASTM D3699, "Standard Specification for Kerosine"

f) fuel oil (heating fuel) formulated in accordance with ANSI/ASTM D396, "Standard Specification for Fuel Oils"

Unless otherwise specified in the individual Listings, suitability of use with biofuels has not been determined.

#### ADDITIONAL INFORMATION

For additional information, see Heating, Cooling, Ventilating and Cooking Equipment (AAHC).

#### REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/UL 842, "Valves for Flammable Fluids."

Products suitable for use with E85 (nominally 15% gasoline/85% ethanol) are additionally investigated to [UL Subject 87A](#), "Outline of Investigation for Power-Operated Dispensing Devices for Gasoline/Ethanol Blends Other Than Gasohol (E10)."

#### UL MARK

The Listing Mark of Underwriters Laboratories Inc. on the product, or the UL symbol on the product and the Listing Mark on the smallest unit container in which the product is packaged, is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Manual Valve," or other appropriate product name as shown in the individual Listings. The statement "\_\_\_ psi max" is also included if not marked elsewhere on the valve.

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