

Gas Safety Shutoff Valves

A gas safety shutoff valve is installed in the supply piping to the main and pilot burners of gas-fired equipment to shut off the gas during idle periods or if various unsafe operating conditions exist.

A gas safety shutoff valve is held open either by electric energy or by gas or air pressure. It is self-closing within five seconds after the holding medium (electric or pressure) is cut off. The valve can be opened, either manually or automatically, only after the holding medium is applied. An FM Approved valve is suitably enclosed and cannot be readily bypassed or blocked in the open position. Valves which provide a proof-of-closure switch to permit supervision of their closed position (valve seal over-travels to actuate an interlock) are shown by a †† following the model designation(s). This feature may be either standard or an optional accessory.

Strainers are advisable in the inlet piping, as close as practicable to these valves.

When ordering, specify the actual condition for each of the items in the table below. Specify voltage and frequency of power supply, maximum pressures to be encountered, desired opening and tripping pressures, and any unusual temperature, corrosive atmosphere or dust condition in the vicinity.

Except as noted, valves listed are suitable for manufactured, natural or LP-Gas. Where other gases are involved, FM Approvals should be consulted.

Tightness Testing Equipment, for Gas Safety Shutoff Valves

These devices originated in Europe. They have also been referred to as "Leakage Monitors" in a proposed German (DIN) Standard. Unlike such devices as proof-of-closure switches, these testers actually monitor for leakage across its seat. They are generally used in a refined version of the "Double block and bleed" gas train configuration. Manual versions provide a visual indication of tightness, upon manual actuation. Automatic versions can be integrated into a combustion safeguard system to verify valve tightness before beginning a startup sequence or after shutdown.

Model VDK 200 S06 Valve-Check Valve Pressure Proving System

Model VDK 200 S06 "Valve-Check" Valve Pressure Proving System. Manual or automatic operation. Checks the tightness of a closed double-block dual safety shutoff valve installation by pumping gas above line pressure between the two valves and monitoring the trapped pressure for a predetermined test period after the pump is shut down. After the test is completed, the pressurized gas is bled back into the supply line.

Company Name:	Karl DUNGS Inc
Company Address:	3890 Pheasant Ridge Dr NE, Suite 150 Blaine,, Minnesota 55449, USA
Company Website:	http://www.dungs.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved

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VPS 504 S06 Valve Proving System

VPS 504 S06 Valve Proving System. Direct mount to DMV-D and DMV-DLE safety shutoff valves. Model CM100 (or 101) control module. Interface between VDK 200A or VPS 504 S06 and a burner control system.

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