

# **Dual Modular Safety Shutoff Valves DMV-D(LE)/11 Series**

The Dungs Dual Modular Valve (DMV) combines two safety shutoff valves in one compact housing, which can be wired independently or in parallel.

Valve 1 (V1) of the DMV-D and DMV-DLE series is fast opening and fast closing. Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V1 provides variable main flow on both models.

Applications: The Dungs DMV is recommended for industrial and commercial heating applications that require two safety shutoff valves. The DMV Dual Modular Valve is suitable for dry natural gas, propane, butane, air and other inert gases. Suitable for up to 0.1% by volume, dry H<sub>2</sub>S.

A “dry” gas has a dew point lower than +15° F and its relative humidity is less than 60%.

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# **Dual Modular Safety Shutoff Valves w/ NEMA 4x Enclosure DMV-D(LE) 704/604**

The Dual Modular Valve (DMV) combines two safety shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 1 (V1) of the DMV-D and DMV-DLE series is fast opening and fast closing. Valve 2 (V2)

of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models.

Application: The DMV is recommended for industrial and commercial heating applications that require two safety shutoff valves. The DMV is suitable for dry natural gas, propane, butane, air and inert gases.

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## **Dual Modular Safety Shutoff Valves w/ Proof of Closure and NEMA Type 4x Enclosure DMV-D(LE) 704/624, DMV-D(LE) 704/634**

The Dual Modular Valve DMV/624 combines two automatic shutoff valves in one compact housing. Valve 2 incorporates proof of closure. The DMV/634 combines two automatic shutoff valves in one compact housing. Valve 1 and Valve 2 incorporate proof of closure. Valve 1 (V1) of the DMV-D and DMV-DLE series is fast opening and fast closing. Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models. Internal profiles and compact design optimize flow and provide a low pressure drop.

Application: The DMV is recommended for industrial and

commercial heating applications that require two safety shutoff valves with proof of closure. The DMV Dual Modular Valve is suitable for natural gas, propane, butane, air and inert gases. The DMV is suitable for dry natural gas, propane, butane, air and inert gases.

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## **Dual Modular Safety Shutoff Valves w/ Two-stage operation and Proof of Closure DMV-ZRD(LE)/612 Series**

The Two-Stage Dual Modular Valve DMV-ZR/612 series combines two safety shutoff valves in one compact housing. Valve 2 incorporates two stages which can be set at two different firing rates. Both firing rates are field adjustable and can modulate from high to low during burner operation. Valve 1 (V1) of the DMV-ZRD and DMV-ZRDLE series is fast opening and fast closing. Valve 2 (V2) of the DMV-ZRD is fast opening while V2 of the DMV-ZRDLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models.

Application: The DMV-ZR is recommended for industrial and commercial heating applications, where two automatic shutoff valves, proof of closure and modulating between two firing rates during burner operation are required. The DMV-ZR Dual Modular Valve two stage is suitable for dry natural gas, propane, butane, air and inert gases.

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## **Dual Modular Safety Shutoff Valves w/ Vent Line Adapter DMV/6×2 Series, DMV/6x4L Series, DMV-ZR/6×2 Series**

The Dual Modular Valves with Vent Line Adapter (DMV-VLA) combines two safety shutoff valves in one compact housing with a factory installed vent line connection between the two safety valves.

DMV-D series contain two fast opening and fast closing safety shutoff valves, and max. flow adjustment to vary the flow.

DMV-DLE series have an extra feature. Valve two is a slow-opening valve.

DMV valves ending /622, /624L and /612 have proof of closure.

DMV valves ending in L are rated as NEMA Type 4.

DMV ZR series valves have two stage operation.

The DMV-VLA is recommended for industrial and commercial heating applications that require two safety shutoff valves with a vent line connection between the safety shutoff valves. The DMV-VLA is suitable for dry natural gas, propane, butane, air and inert gases.

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humidity is less than 60%.

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## **Dual Safety Shutoff Valves w/ Proof of Closure and NEMA 4x Enclosure      DMV-D(LE)/624L Series**

The Dual Modular Valve DMV/624L combines two automatic shutoff valves in one compact housing. Valve 2 (V2) incorporates proof of closure. Both valves can be wired independently or in parallel. Valve 1 (V1) of the DMV-D and DMV-DLE series is fast opening and fast closing. Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models.

**Application:** The DMV/624L is recommended for industrial and commercial heating applications that require two safety shutoff valves, one with proof of closure. The DMV Dual Modular Valve is suitable for dry natural gas, propane, butane, air and inert gases.

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# DUNGS Ball Valves

Manually operated ball valves for gas piping carrying natural gas, propane, butane, air and inert gases.

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## Dungs Differential Pressure Switch for Air, Flue and Exhaust Gases AA-A2...

AA-A2... differential pressure switches are field adjustable, compact pressure switches for automatic burner controls. Available with hose or NPT threaded connections.

AA-A2-4... differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. AA-A2-4... versions feature hose connections.

AA-A2-6... differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. AA-A2-6... versions feature NPT threaded connections that also include a test button in the lower housing.

Application: Differential pressure monitoring in firing, ventilation and air-conditioning systems,. The AA-A2... can be used as a pressure, vacuum or differential pressure switch for air and non-aggressive gases. Not suitable for natural gas, propane, butane and other combustible gases.

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# **Dungs Differential Pressure Switch for Air, Flue and Exhaust Gases AA-C2...**

AA-C2... differential pressure switches are field adjustable, compact pressure switches for automatic burner controls.

AA-C2... differential pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale.

Application: Differential pressure monitoring in firing, ventilation and air-conditioning systems. The AA-C2... can be used as a pressure, vacuum or differential pressure switch for air and non-aggressive gases. Not suitable for natural gas, propane, butane and other combustible gases.

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## **DUNGS DMV Dual Modular Valves**

The Dual Modular Valve (DMV) combines two safety shutoff valves (which can be wired independently or in parallel) in one compact housing. This DMV is recommended for industrial and commercial heating applications that require two safety shutoff valves in series. The DMV is suitable for natural gas, propane, butane, air and other inert gases.

- Valve 1 (V1) of the DMV-D and DMV- DLE series is fast

opening and fast closing.

- Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off.
  - Max. flow adjustment on V2 provides variable main flow on both models.
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## **DUNGS DMV Dual Modular Valves with Proof of Closure DMV-D/622 Series and DMV-DLE/622 Series**

The Dual Modular Valve (DMV) combines two safety shutoff valves (which can be wired independently or in parallel) in one compact housing.

- Valve 1 (V1) of the DMV-D and DMV- DLE series is fast opening and fast closing.
- Valve 2 (V2) of the DMV-D is fast opening, while V2 of the DMV-DLE is slow-opening for smoother light-off . Max. flow adjustment on V2 provides variable main flow on both models.
- Valve 2 (V2) incorporates proof of closure (POC) on model 622.

### **Application**

This DMV is recommended for industrial and commercial heating applications that require two safety shutoff valves in series with POC. The DMV is suitable for natural gas, propane, butane, air and other inert gases.

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# **Dungs Dual Modular Safety Shutoff Valves with Two-stage operation DMV-ZRD(LE)/602 Series**

The Two-Stage Dual Modular Valve (DMV-ZR) combines two safety shutoff valves in one compact housing, which can be wired independently or in parallel. Valve 2 incorporates two stages, which can be set at two different firing rates. Both firing rates are field adjustable and can modulate from high to low during burner operation. Valve 1 (V1) of the DMV-ZRD and DMV-ZRDLE series is fast opening and fast closing. Valve 2 (V2) is a two stage valve. V2 of the DMV-ZRD is fast opening, while V2 of the DMV-ZRDLE is slow-opening for smoother light-off. Max. flow adjustment on V2 provides variable main flow on both models. The DMV-ZR is recommended for industrial and commercial heating applications where two automatic shutoff valves and modulating between two firing rates during burner operation are required. The DMV-ZR Dual Modular Valve two stage is suitable for dry natural gas, propane, butane, air and inert gases.

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## **Dungs Gas Pressure Switch for**

# **DMV Safety Shutoff Valves GA0-A2..., GMH-A2... & GML-A2...**

The GA0-, GMH- and GML-A2... pressure switches are compact, vent-less gas pressure switches for modular valve train components. These pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale. The switches incorporate a vent limiter as per UL 353 and limits the escape of gas less than 1.0 CFH of natural gas at 7 PSI if internal switch diaphragm ruptures.

Application: The GA0-, GMH- and GML-A2... pressure switches are recommended for industrial and commercial heating applications with DMV dual modular valves, SV safety valves, MBC multifunctional controls, and FRI modular pressure regulators. Various mounting options allow direct mounting on the housing.

The GA0-, GMH-, and GML-A2... pressure switch is suitable for dry natural gas, propane, butane, air and other inert gases. Suitable for up to 0.1% by volume, dry H<sub>2</sub>S.

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## **DUNGS MVD Single Valves**

The MVD/6 and the MVDLE/6 are electrically operated normally closed, automatic safety shutoff valves for gas burners and gas appliances.

- MVD/6 is fast opening and closing. MVDLE/6 is slow opening and fast closing.
- Optional field installable visual indicator (VI) or CPI 400 with indication lamps and SPDT interlock switch for valve position.

Application:

The MVD/6 and MVDLE/6 are recommended for industrial and commercial heating applications that require one safety shutoff valve or two safety shutoff valves in series. The MVD/6 and MVDLE/6 safety shutoff valves are suitable for natural gas, propane, butane, air and inert gases.

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## **Dungs Pressure Switch For Gas & Air GA0-A4..., GMH-A4..., GML-A4...**

The GA0-, GMH- and GML-A4...vent-less pressure switches are adjustable pressure switches for automatic burner controls. These pressure switches are suitable for making and/or breaking a circuit when the medium pressure changes relative to the set point. The set point can be set in the field by an adjustable dial with an integrated scale. Test nipple integrated in metal housing to verify set point.

Application: The GA0-, GMH- and GML-A4... pressure switch is recommended for industrial and commercial heating, ventilation and air-conditioning systems.

The GA0-, GMH-, and GML-A4...pressure switch is suitable for dry natural gas, propane, butane, air and other inert gases.

Suitable for up to 0.1% by volume, dry H<sub>2</sub>S.

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## **Eclipse “SMJ” Series Blowers**

Eclipse “SMJ” Blowers are centrifugal blowers that provide low-pressure air for industrial combustion systems. They are also used for cooling, conveying, drying, liquid agitation, smoke abatement, vacuum cleaning, fume, and dust exhausting, and other applications where air temperatures are under 220°F.