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EN161 Approved Class A,
Group 2 Gas 1st, 2nd and
3rd Family

NEW Safety Shut-off Gas
Solenoid Valves from Alcon

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SOLENOID VALVES
An IMC Company

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United Kingdom Headquarters
Alcon IMC UK Ltd.
Patrick Gregory Road,
Wolverhampton, WV11 3DZ
United Kingdom
Tel: +44 (0)1902 305678
Fax: +44 (0)1902 305676

North American Headquarters
Alcon North America.
600-B West Terrace Drive,
San Dimas, California
91773-2916
Tel: 1-(909)-305-2363
Fax: 1-(909)-305-2373

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Features and Benefits

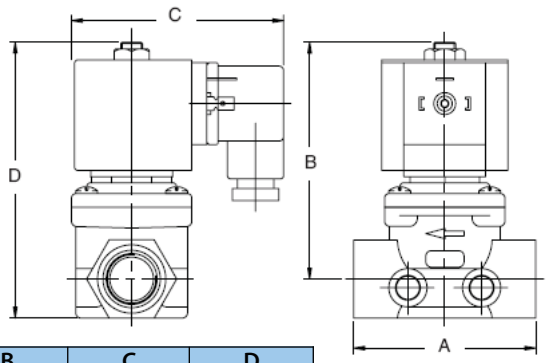
- Ideal for Low Pressure Natural Gas
- Approved Safety Shut-off Valve TO EN161 Standard
- High Flow Minimal Pressure Drop
- Lightweight Aluminium Construction
- Zero Pressure Rated
- Pressure Test Points (Optional)
- 1/4" to 10" Sizes Available
- For Gas Valves above 2" consult factory

Technical Specifications

Standard Body Material: Aluminium
Standard Seal Material: Nitrile (BunaN)
+14°F to +176°F
-10°C to +80°C

Note: Temperature ranges indicate media temperatures for seal material.

Coil Voltage: 24v, 110v, 120v, 230v, 50/60 Hz, 12v, 24v, 110v DC
Standard Protection Class: IP65
Electrical Connection: Din Connector (DIN 43650)(PG9)
Coil Insulation: Class H
Ambient Temperature: +32°F to +140°F
-0°C to +60°C
Media: Natural Gas, Towns Gas, Butane and Propane



Dimension Data

Pipe Size	A	B	C	D
1/4"	57	87	56	101
3/8"	67	87	56	101
1/2"	67	87	56	101
3/4"	86	90	56	107
1"	106	93	56	115
1-1/4"	137	157	120	196
1-1/2"	137	157	120	196
2"	137	157	120	196

P. Max:
The maximum pressure a valve can be subjected to without causing damage to the valve components.

*Gas Flow is typically rated at Δp= 2.5 mbar

Operating Pressure Differential (OPD):
The differential pressure range between the inlet and outlet ports at which the valve can safely operate Figures represent tests carried out at +/- 10% of rated voltage in a 20°C ambient.

Zero Pressure Rated (refer to OPD):
When the lower value of OPD is zero, the valve will operate without pressure differential. Otherwise this value represents the minimum pressure differential required to operate the valve.

Catalogue Number:
Represents the valve in its standard (base) configuration. Optional specification combinations will modify this number accordingly - consult manufacturer for details.

Selection Guide

Pipe Size	Orifice (mm)	Kv	P.Max (Bar)	OPD (mBar) AC Coil	Power Watts	Weight Kg.	Catalogue No.
1/4"	12.7	3.6	1	0-140	14.5	0.5	GB2
3/8"	12.7	5.0	1	0-140	14.5	0.5	GB3
1/2"	12.7	5.4	1	0-140	14.5	0.5	GB4
3/4"	19.0	12.9	1	0-100	25	0.6	GB6
1"	19.0	13.6	1	0-100	25	0.7	GB7
1-1/4"	40.0	33.0	1	0-50	34	1.5	GB8
1-1/2"	40.0	33.0	1	0-50	34	1.5	GB9
2"	40.0	33.0	1	0-50	34	1.5	GB10

DC Versions will alter the products above, please contact factory for details.

Markets Served

- Commercial And Industrial
- Gas Burner Applications
- Fire Protection Systems

How to use Flow Chart using Kv.
1. Select the required flow, M3/hr.
2. Note the corresponding Cat No. and pressure drop. choose the desired valve by pipe size and Catalogue No.
3. Using Cat. No., refer to the Selection Guide

When fitted in conjunction with the LKGMS this provides an automatic proving system for gas installations. The control panel is connected to the valve, a proving cycle is then manually initiated from the control panel. The unit can be interlinked with extract fans, it also features an integral switch for timed shutdown, key switch and emergency gas shut-off switch for security and safety.

LKGMS Gas Proving System

Gas Flow Data