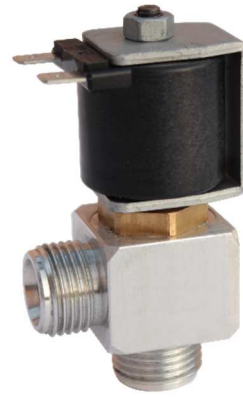


TECHNICAL DATA SHEET SAFETY GAS SOLENOID VALVE VF1



DESCRIPTION

THE RAIL VALVE (SAFETY GAS SOLENOID VALVE) IS A SAFETY VALVE TO BLOCK THE FLOW OF GAS.

DEVELOPED MAINLY FOR THE COOKING FIELD, THE RAIL VALVE IS A DEVICE NORMALLY CLOSED AND IS PILOTED IN LOW VOLTAGE TO OPEN AND BLOCK THE FLOW OF GAS IF NECESSARY.

IT IS COMPLIANT WITH EC RULES IN CLASS A AND WITH THE STANDARDS EN161, IT COULD OPERATE WITH A MAXIMUM TEMPERATURE OF 105°C. THE VALVE IS DEVELOPED TO WORK WITH GAS OF SECOND AND THIRD FAMILY

GAS FAMILY	TYPE OF GAS	PRESSURE	NOTE
FAMILY 2	G20 (METHANE)	20MBAR (8.03 IN H2O)	
FAMIGLIA 3	G30 (BUTANE)	29MBAR (11.54 IN H2O)	
	G30 (BUTANE)	50MBAR (20.07 IN H2O)	ONLY IN GERMANY
	G31 (PROPANE)	29MBAR (11.64 IN H2O)	
	G31 (PROPANE)	50MBAR (20.07 IN H2O)	ONLY IN GERMANY

THE MOST COMMON APPLICATION ARE:

- HOBS
- GAS OVENS
- STAND-ALONE KITCHENS

TECHNICAL SPECIFICATION:

FEATURES	COMPLIANT WITH THE RULES EN161 – CLASS A
	NOMINAL VOLTAGE 12.5 VDC
	ELECTRIC POWER 5.2 VA
	MAXIMUM POWER 15KW (51.150 BTU)
	IMPEDANCE: 30Ω
	MAXIMUM OPERATING TEMPERATURE: 105°C (RANGE: 0-105°C)
	MAXIMUM OPERATING PRESSURE 57,5 MBAR (23.08 IN H2O)
	OPENING TIME < 1S
	CLOSING TIME < 1S
	LIFE TEST 500.000 CICLI
	IN/OUT CONNECTION ½ " G
	INTEGRATED FILTER WITH RESOLUTION 300 μm
	IN/OUT PRESSURE DROP <1MBAR (0.4 IN H2O) [AIR TEST @20MBAR] (8.03 IN H2O), 1.7mm CALIBRATED NOZZLE