

# SOV

## GAS OR OIL SOLENOID VALVE

- Suitable for use up to 3KW on N Gas, 4.9KW on Butane.
- British Gas Certified in Various Forms Under TNC91/7.
- Coils Suitable for 240V A.C. and 12V D.C.
- A.C. Coils Full Wave Rectified for Silent Operation.
- In Line and Right Angle Body Connections.
- 7/16" – 20 UNF – 2B Compression and Other Fittings.
- Available as Dual Valve Unit (Shutoff Valve and High/Low Valve).
- Available as Dual Unit with Flame Safety Device.
- Conforms to BS EN 161:1991

### Application

The Teddington SOV, Solenoid Gas Valve, is designed for use on appliances such as cookers, hob units, grills, hotplates etc., and acts as an on/off control (with or without by-pass) or safety shutoff, thus making it ideal for electronic cooking.

The SOV can also be used on weep lines on gas servo valves controlling larger installations and on fuel oil lines on domestic oil fired appliances.

### Physical Description

This unique product utilises the well-proven Teddington solenoid coil, with a lightweight aluminium body. Its compact size adds a new dimension – SMALL – thus allowing freedom to use the valve where space is at a premium.

Although designed to control gas, the materials of construction enable it to be used to control light fuel oil as on domestic oil-fired appliances.



### Operation

The SOV is an electrically operated shut off valve. Inside the solenoid there is coil of wire, usually cylindrical, in which a magnetic field is created by passing an electric current through it. This field is used to move an iron rod placed on its axis at the centre of the coil. When the solenoid is attached to the valve body the rod can be operated by switching the current on or off, so converting electrical energy into mechanical energy. This moves the rod in and out opening and shutting the valve.

## Technical Specification

### Flow Capacity

N Gas at 1mb pressure drop –  
 0.27m<sup>3</sup>/hr Right angle connections  
 0.25m<sup>3</sup>/hr In line connections  
 Fuel oil at 25mm head – Suitable for low-pressure fuel oil  
 lines up to 12-litres/hr kerosene.

### Weight (Approx.)

135g (Right angle connection version)

### Coil

240V a.c. or 12Vd.c. 4.8W.  
 Operating current 20mA 24Va.c. 400mA 12Vd.c.

## Ordering Information

**Please call our customer service for assistance.**

**The following information must be given when ordering.....**

Specify details of Connection sizes, Number of solenoids required, Voltage, Lead lengths or quote unique model reference.

### Ambient Temp Range

0 - 70°C

### Mounting Attitude

Any

### Operating Gas Pressure

0 – 45mbar

### Standards

Conforms to BN EN 161: 1991

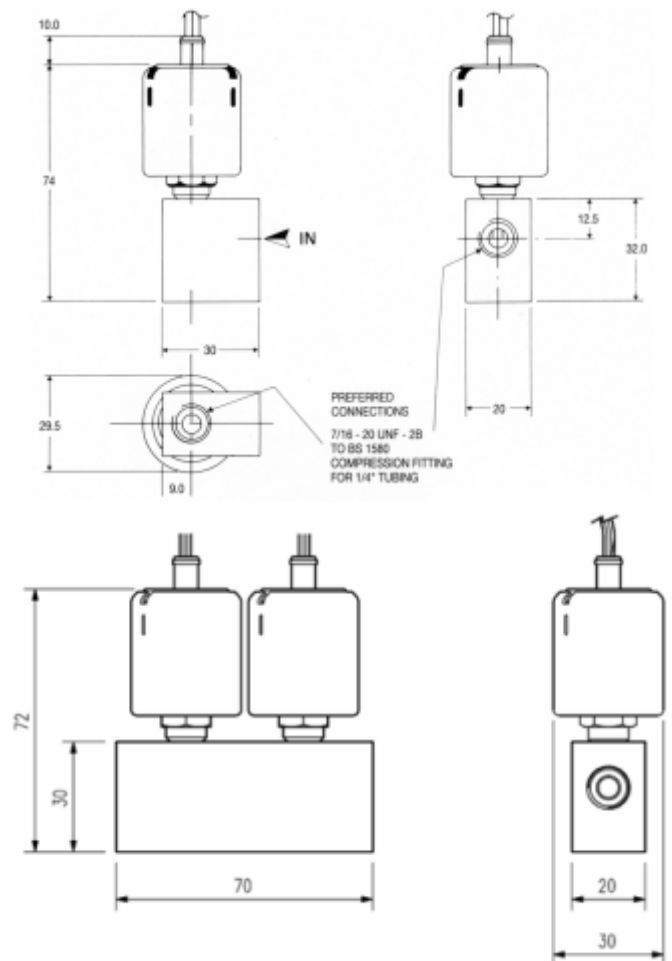
### Minimum Life (Class 2 BS 5963)

250,000 operations

### Cable

240V 3-wire connection LNE  
 12V 2-wire connection  
 Standard lengths 800mm or 200mm

## Outline Details



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