SIT Group

440 D3

MANUAL GAS VALVE

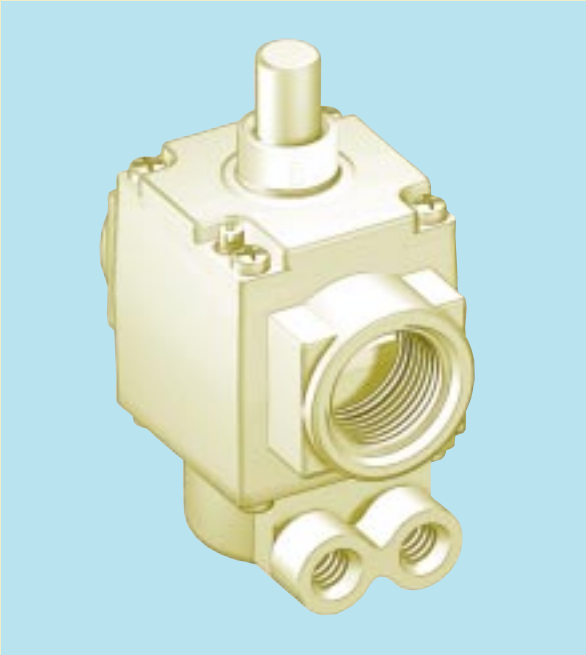
THERMOELECTRIC SAFETY DEVICE

INTERRUPTION OF MAIN GAS FLOW WHILE PILOT IS ESTABLISHED

PILOT OUTLET WITH FLOW ADJUSTMENT SCREW

PIN 0085AQ0587

MANUAL VALVE



440 D3 is suitable for use with heaters, ovens, barbecues and all gas appliances which require a flame failure device.

Valve with thermoelectric safety device and pilot outlet with flow adjustment screw. Interruption of main gas flow while pilot is established.

MAIN FEATURES

Thermoelectric safety device.
Pilot outlet with flow adjustment screw.
M18x1 threading below the button (on request).
Thermocouple connection M9x1.
Coaxial gas outlet and inlet with Rp 1/2 connections or, on request, Rp 3/4.

TECHNICAL DATA

• Gas connections	Rp 1/2 ISO 7 (3/4 on request)
• Installation position	any position
• Gas families	I, II and III
• Maximum gas inlet pressure	50 mbar
• Ambient temperature	0-80°C

Data refer to EN 125

OPERATION

Ignition

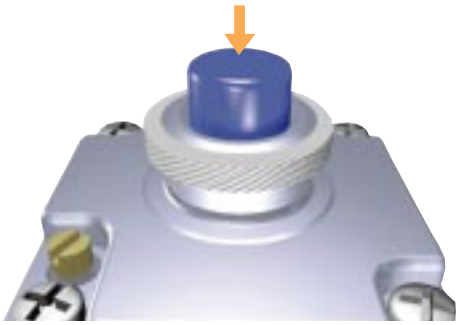
Depress the button fully, and light the pilot flame while keeping the button fully depressed for a few seconds at the same time (see figure).

Igniting the main burner

After releasing the button, the main burner will ignite. If the burner does not stay on, wait about one minute and repeat the operation.

Turning off

Close the gas cock to turn off the main and pilot burners.



INSTALLATION, SETTINGS AND ADJUSTMENTS

Main gas connection

The connection should be made using gas pipes with Rp 1/2 ISO 7 threading or Rp 3/4 (on request). Torque: 25 Nm.

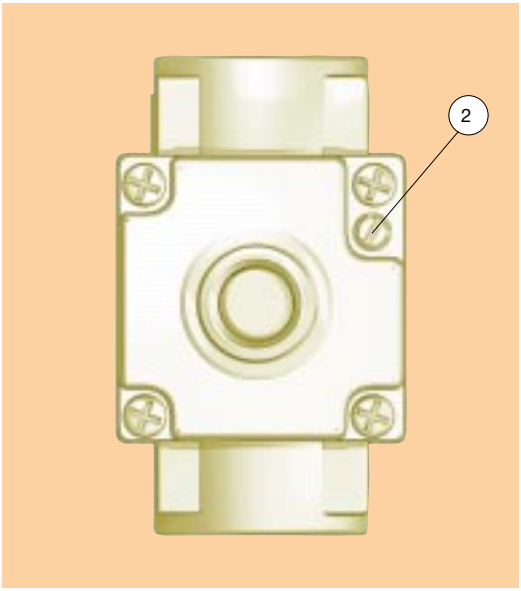
Connection to the pilot burner

Piping with 6 mm or 1/4" diameter can be used. Use a nut and olive connection of suitable dimensions. Tighten the fitting to torque 7 Nm.

Adjustment of gas flow to the pilot

Screw in the screw (2) to reduce the flow; screw the screw out to increase.

For installation, adjustment and use, follow the instructions in the Use and Maintenance Manual Code 9.956.440



Adjustment of gas flow to the pilot

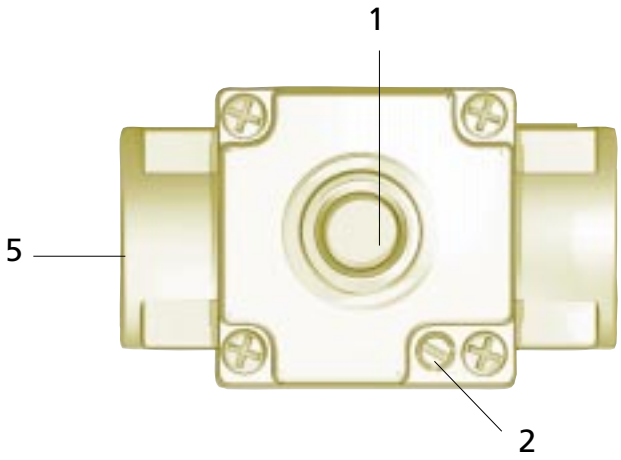
FLOW RATE AS A FUNCTION OF PRESSURE DROP

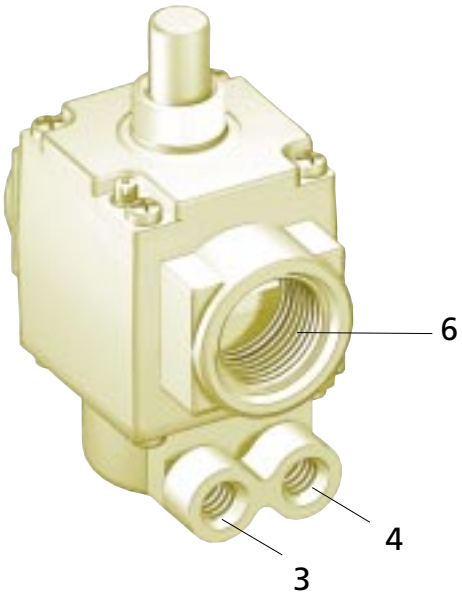
		1/2"	
I	Famiglia (d = 0.45)	Q = 10.7 m^3/h	Δp = 5 mbar
II	Famiglia (d = 0.6)	Q = 10.0 m^3/h	Δp = 5 mbar
III	Famiglia (d = 1.7)	Q = 5.8 kg/h	Δp = 5 mbar

		3/4"	
I	Famiglia (d = 0.45)	Q = 13.1 m^3/h	Δp = 5 mbar
II	Famiglia (d = 0.6)	Q = 12.2 m^3/h	Δp = 5 mbar
III	Famiglia (d = 1.7)	Q = 7.1 kg/h	Δp = 5 mbar

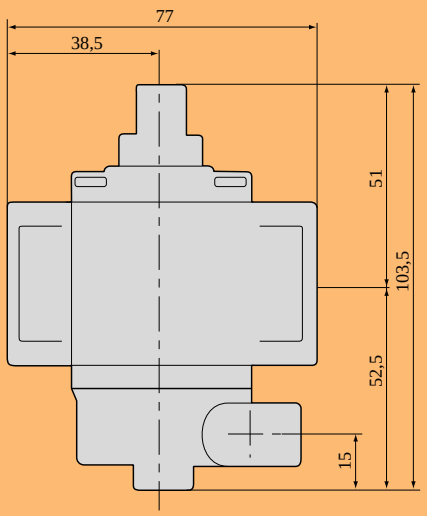
DESCRIPTION

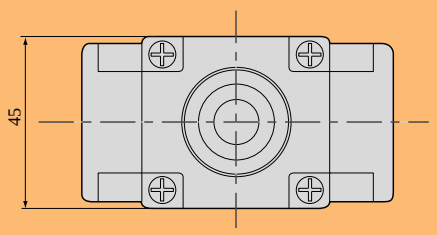
1 Button connected to the thermo-electric safety device
2 Adjustment screw for gas flow to the pilot
3 Pilot outlet
4 Thermocouple connection
5 Gas inlet
6 Gas outlet





DIMENSIONS





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