



SITGroup

400 M1 - 420 B3



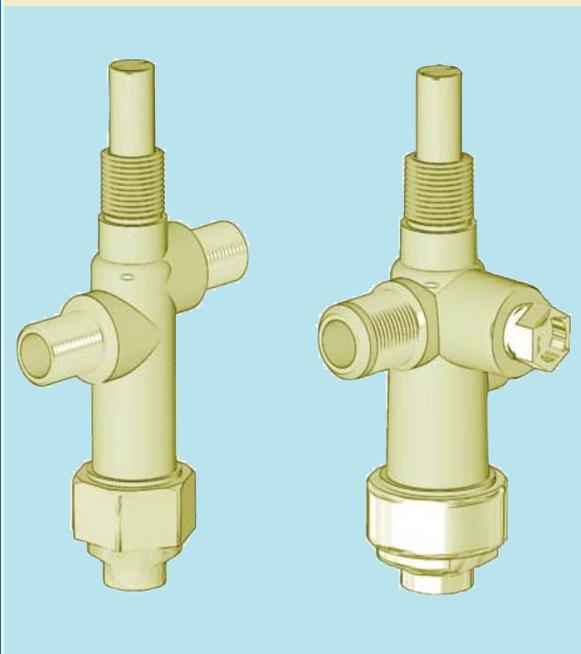
M A N U A L G A S C O N T R O L

THERMOELECTRIC SAFETY DEVICE

**SIDE OUTLET OR, ALTERNATIVELY (series B3),
ADDITIONAL PILOT OUTLET**



MULTIFUNCTIONAL MANUAL CONTROL



Manual control with thermo-electric safety device. Model 420 B3 has a gas outlet for connection to the pilot burner. Versions are available for working temperatures up to 150°C and pressures up to 5 bar.

400 M1 and 420 B3 are suitable for use with heaters, ovens, barbecues and fireplaces.

MAIN FEATURES

- Brass body.
- Connection with thermocouple M8x1 (M9x1 on request).
- Threading under the button (optional).
- Pilot outlet (series B3).
- Gas inlet and outlet coaxial or at different heights.

TECHNICAL DATA

- | | |
|--|---|
| <ul style="list-style-type: none"> • Gas connections: • Installation position: • Gas families: • Maximum gas inlet pressure: • Working temperature range: | <p>Rp 1/4 ISO 7 (1/8 or 3/8 on request)
any position
I, II and III
series M1: 150 mbar series B3: 50 mbar
(on request: series M1: 5 bar series B3: 3 bar)
0...80°C (0...150°C on request)</p> |
|--|---|

Data refer to EN 125 standards

OPERATION

Ignition

Depress the button and ignite the main burner (in series M1) or the pilot burner (in series B3) at the same time, keeping the button fully depressed for a few seconds (fig. 1).

Release the button (fig. 2) and check that the pilot flame stays on. If it goes out, repeat the ignition operations.



fig. 1

Shutdown

Close the gas cock to turn off the main burner.

CAUTION: if, after releasing the button, the burner goes off, wait about one minute before repeating the operation.



fig. 2

INSTALLATION

Main gas connection

The connection is made using gas pipes with threading in accordance with the dimensional specifications of the gas inlet and outlet.

Connection to the pilot burner (series B3)

Pipes with 4 mm, 6 mm and 1/4 can be used

Use a nut and olive of appropriate dimensions. Tighten to 7 Nm torque.

Implement the provisions in the Use and Maintenance manual - code 9.956.400 - for installation, adjustment and use.

FLOW RATE AS A FUNCTION OF PRESSURE DROP

M1 - 1/8" x 1/8"

I	Family (d = 0.45)	Q = 1.3 m ³ /h	Δp = 5 mbar
II	Family (d = 0.6)	Q = 1.1 m ³ /h	Δp = 5 mbar
III	Family (d = 1.7)	Q = 1.3 kg/h	Δp = 5 mbar

M1 - 3/8" x 3/8"

I	Family (d = 0.45)	Q = 2.5 m ³ /h	Δp = 5 mbar
II	Family (d = 0.6)	Q = 2.2 m ³ /h	Δp = 5 mbar
III	Family (d = 1.7)	Q = 2.7 kg/h	Δp = 5 mbar

B3 - 1/4" x 1/4"

I	Family (d = 0.45)	Q = 2.1 m ³ /h	Δp = 5 mbar
II	Family (d = 0.6)	Q = 1.8 m ³ /h	Δp = 5 mbar
III	Family (d = 1.7)	Q = 2.1 kg/h	Δp = 5 mbar

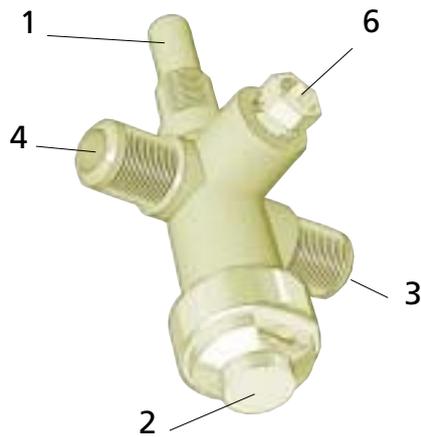
B3 - 3/8" x 3/8"

I	Family (d = 0.45)	Q = 3.4 m ³ /h	Δp = 5 mbar
II	Family (d = 0.6)	Q = 3.0 m ³ /h	Δp = 5 mbar
III	Family (d = 1.7)	Q = 3.8 kg/h	Δp = 5 mbar

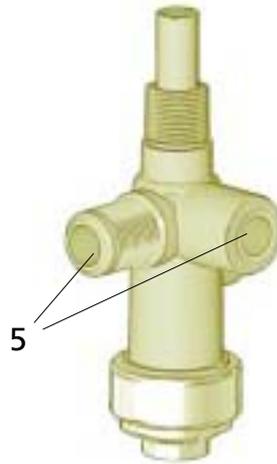
DESCRIPTION

- 1 Ignition button
- 2 Thermocouple connection
- 3 Gas inlet
- 4 Gas outlet

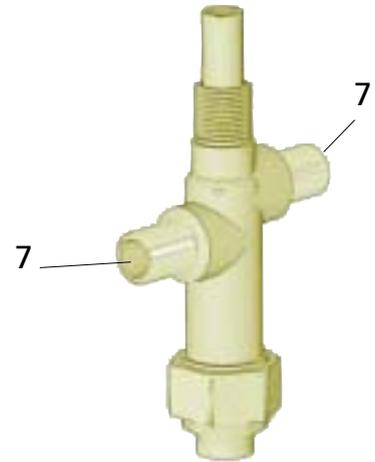
- 5 Inlet and outlet at 90 degrees
- 6 Pilot outlet (series B3)
- 7 Inlet and outlet in line, at different heights



(B3)



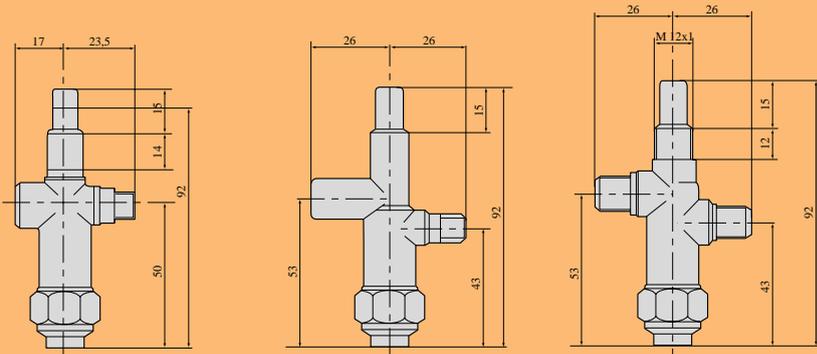
(420 B3: inlet and outlet at 90 degrees)



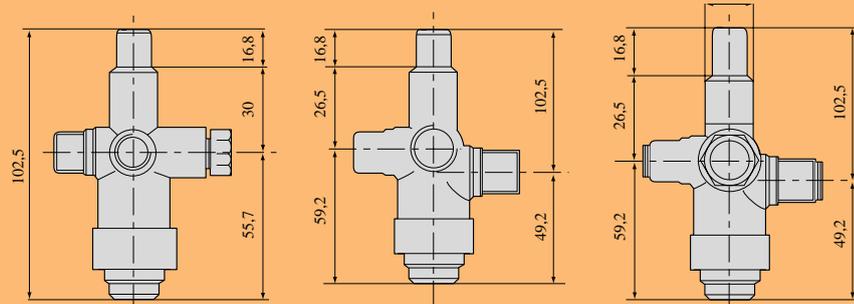
(400 M1: inlet and outlet at different heights)

DIMENSIONS

400 M1



420 B3



SITGroup

SIT La Precisa S.p.A.

Viale dell'Industria 31-33

35129 PADOVA - ITALY

Tel. +39/049.829.31.11, Fax +39/049.807.00.93

www.sitgroup.it - e-mail: mkt@sitgroup.it