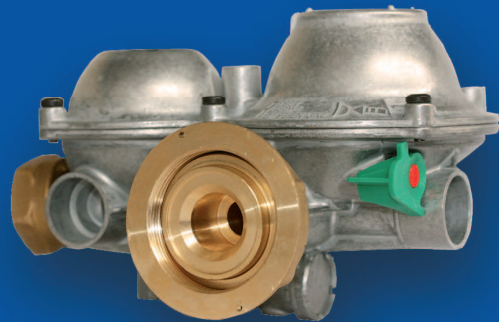


RESIDENTIAL REGULATORS

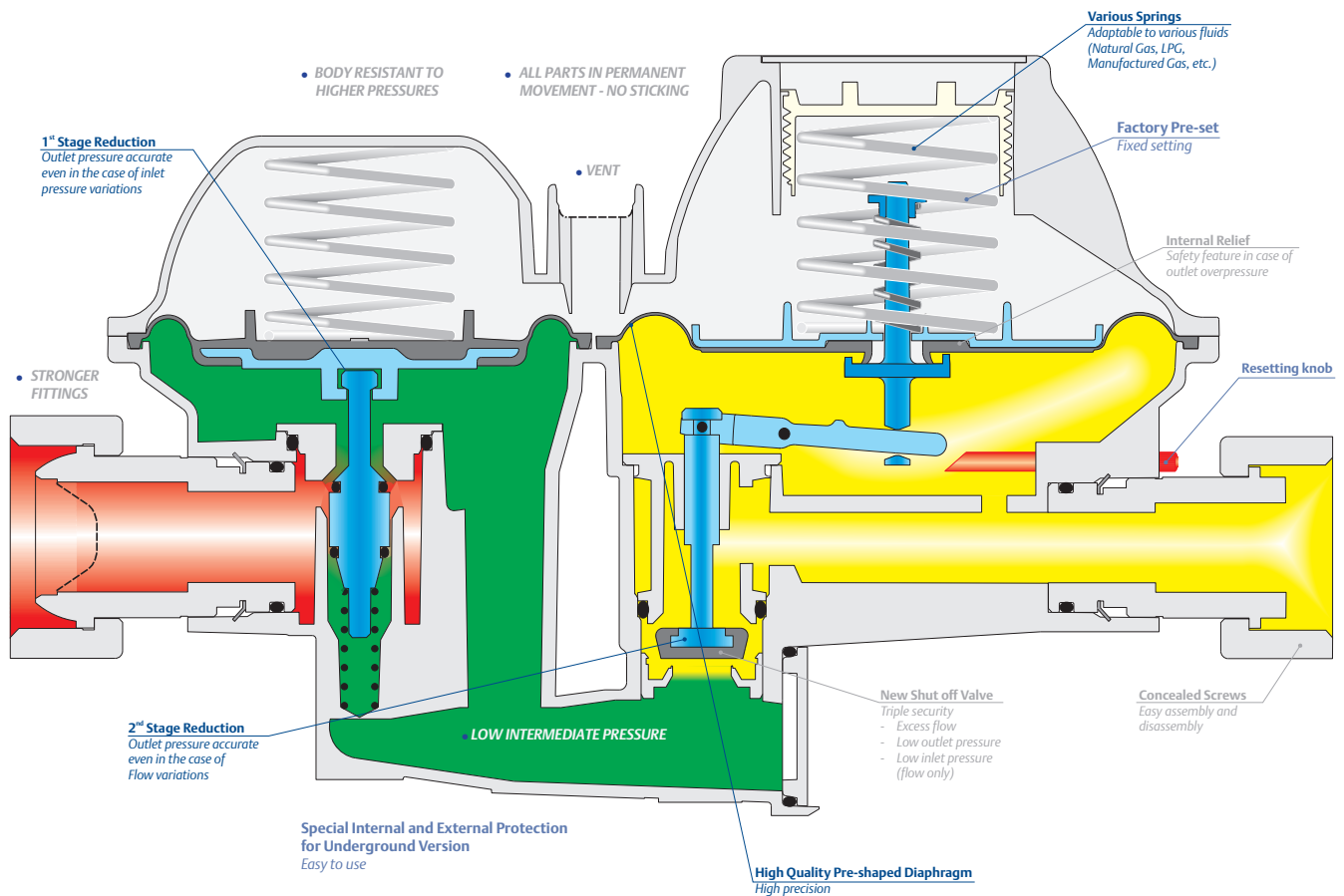
Type B NG

*Safety - Performance - Integration
Reinforced*



B NG Regulators

Description



Type B NG Regulator - Main Characteristics

Description

The new **Type B NG** residential regulator is a direct-action, spring-loaded regulator, with high performance and reinforced safety features.

A shut off valve cuts off the flow in the case of excessive flow, or when the outlet pressure drops below the set point (high gas demand or broken line), or in the case of inlet pressure dropping below the set point (network pressure drops or pipe damage).

The regulator can be manually reset after the safety function trips.

The regulator is factory preset.

The new **B6 NG** is interchangeable with the current angle-shaped B6 N (same key dimensions).

MAIN SAFETY FEATURES

- *Downstream equipment protection*
- *Stronger fittings permitting easy and safe installation*
- *Body withstands higher pressures (12.5 bar for 1st stage reduction and 5 bar for 2nd stage reduction) giving exceptional resistance in the case of upstream overpressure*
- *All parts are in permanent movement, therefore no risk of sticking, to assure immediate response and protection of the downstream equipment*

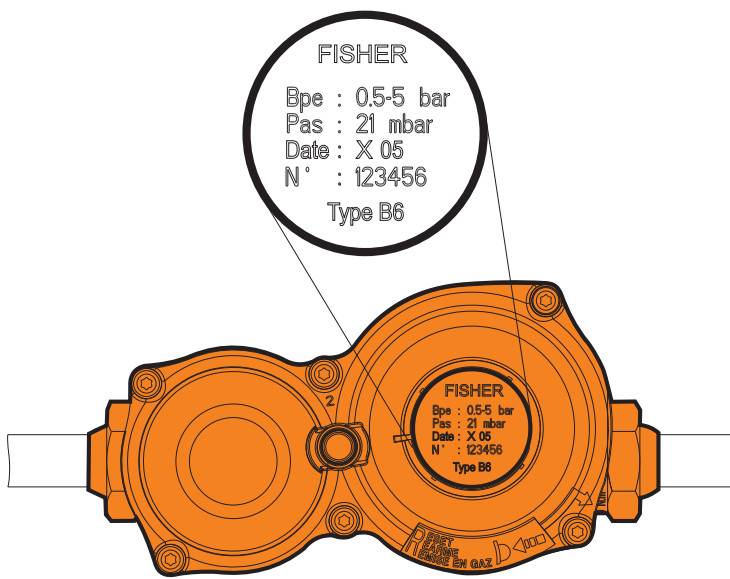
PERFORMANCE FEATURES

- *2 stages of reduction produce a constant outlet pressure, which is insensitive to changes in inlet pressure*
- *Nominal flow up to 10 m³/h(n) with an accuracy of AC 5*
- *Inlet pressure range 0.5 to 5 bar, possibility of 0.1 to 6 bar under certain conditions*
- *Outlet pressures 21, 27, 37 mbar (standard), others (9 to 50 mbar) available upon request*
- *The **B NG** is equipped with an internal relief valve*
- *A filter protects the regulator on the inlet side*

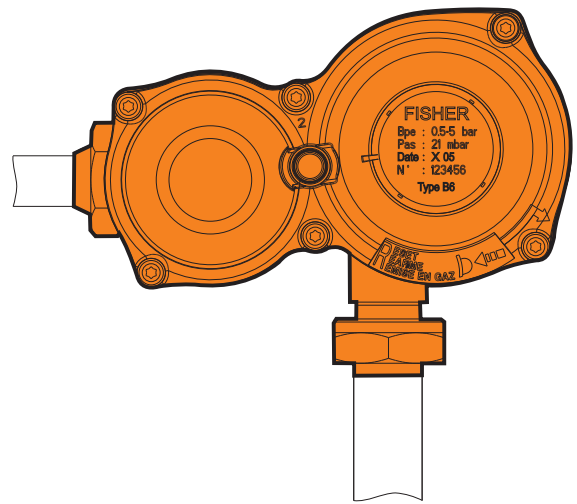
B NG Regulators

Larger Application & Integration Range

- Two compact installations
- Flow up to 10 m³/h (AC 5)
- Higher inlet pressure acceptance
- New marking, easier to read in the case of cabinet installation



Line-Shape



Angle-Shape

Features

Technical Features

Inlet Pressure

Pu: 0.5 to 5 bar
(0.1 to 6 bar on request)

Outlet Pressure

Pd: 9 to 50 mbar

Connection Sizes

Inlet: 3/4" sphero-conical or flat - Others on request

Outlet: Flat joint with the following nuts:
1"1/4, 1"BS746, 1"ISO228, range for national meters,
others on request

B NG Regulators

Functional Features

Temperature

TS: -20 / +60°C
(< -20°C under certain conditions)

Flow Capacity

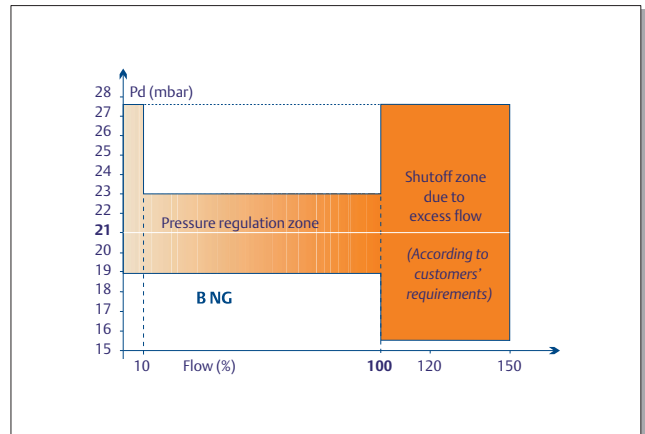
Q: 0 to 10 m³/h(n)

Accuracy

AC: Up to 5

Lock-up Pressure Class

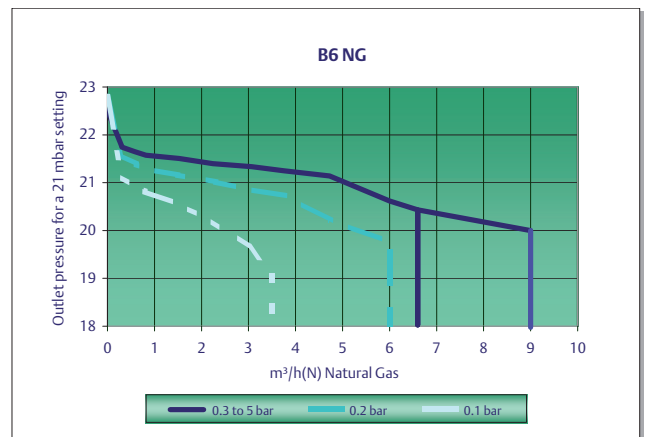
SG: Up to 20



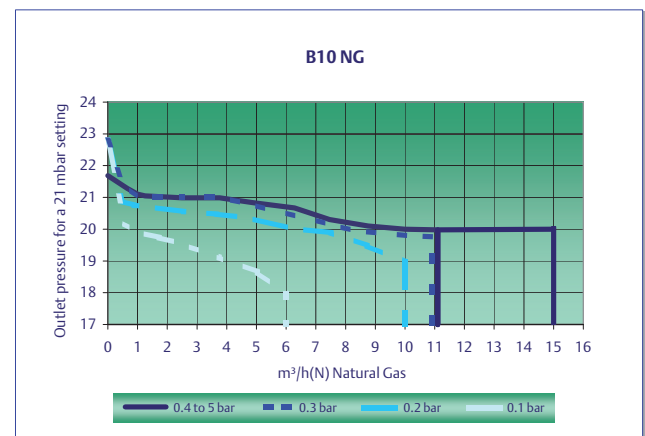
Flow Curve indicating Shutoff Zone

Material

- Body : Zinc/Aluminum Alloy
- Casing : Zinc/Aluminum Alloy
- Inlet Connection : Brass
- Inlet Filter : Bronze or Plastic
- Outlet Connection : Brass
- 1st Stage Plug : Nitrile
- 1st Stage Disc Orifice : Aluminum
- 2nd Stage Plug : Nitrile
- 2nd Stage Disc Orifice : Brass
- Diaphragms : Nitrile
- Vent Screen : Stainless Steel
- Vent : Plastic (option)



B6 NG Flow Curves



B10 NG Flow Curves

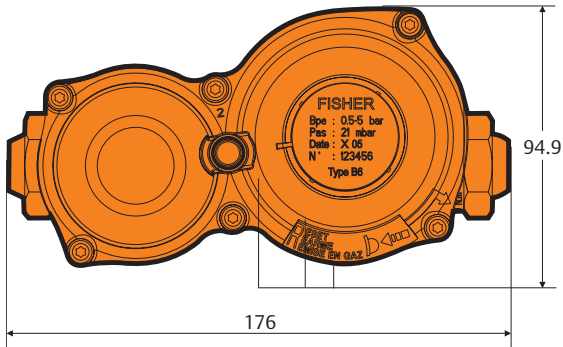
Flow Range at 21 mbar

B NG Flow (m ³ /h(n))										
	B6 NG					B10 NG				
Pu (bar)	0.1	0.2	0.3	0.4	0.5 to 6	0.1	0.2	0.3	0.4	0.5 to 6
m ³ /h(n)	3.5	6	6.6		6.6	6	10	11		11

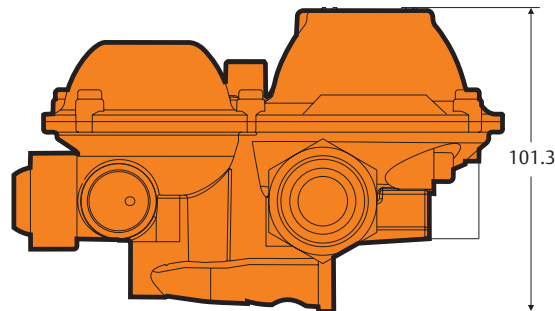
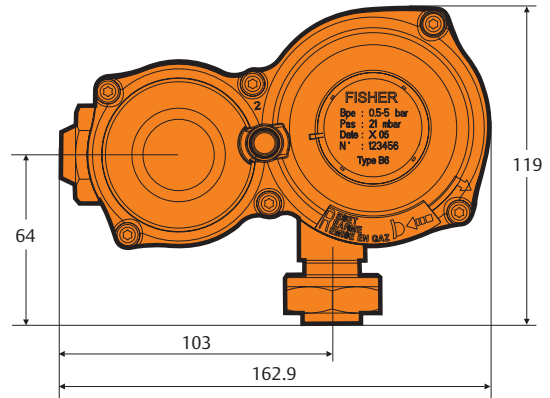
Dimensions & Weight

Dimensions (mm)

Line-Shape Dimensions



Angle-Shape Dimensions



Weight: 980 to 1000 grams depending on version

Natural Gas Technologies

Emerson Process Management Regulator Technologies, Inc.

Francel SAS
Business Park - 3 avenue Victor Hugo
CS 80125
28008 Chartres Cedex, France
Tel: +33 (0)2 37 33 47 00
Fax: +33 (0)2 37 31 46 56

O.M.T. Officina Meccanica Tartarini s.r.l.
Via P. Fabbri, 1
I - 40013 Castel Maggiore (Bologna), Italy
Tel.: +39 - 0514190611
Fax: +39 - 0514190715
E-mail: info.tartarini@emerson.com

For further information visit www.emersonprocess.com/regulators

The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their prospective owners. Fisher is a mark owned by Fisher Controls, Inc., a business of Emerson Process Management.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson Process Management does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Emerson Process Management product remains solely with the purchaser.

04/2012