

RESIDENTIAL REGULATORS

Type B NG

*Safety - Performance - Integration
Reinforced*



B NG Regulators

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

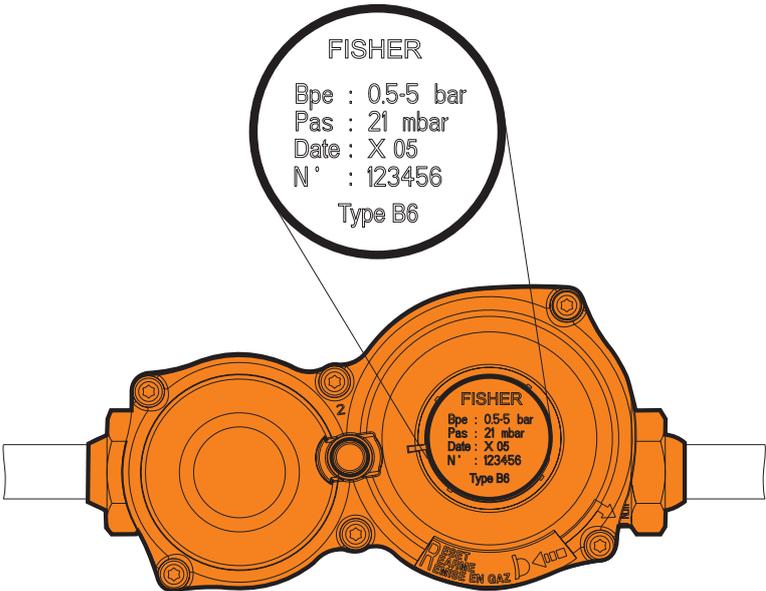
- *Downstream equipment protection*
- *Stronger fittings permitting easy and safe installation*
- *Body withstands higher pressures (12.5 bar for 1st stage reduction and 5 bar for 2nd stage reduction) giving exceptional resistance in the case of upstream overpressure*
- *All parts are in permanent movement,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

PERFORMANCE FEATURES

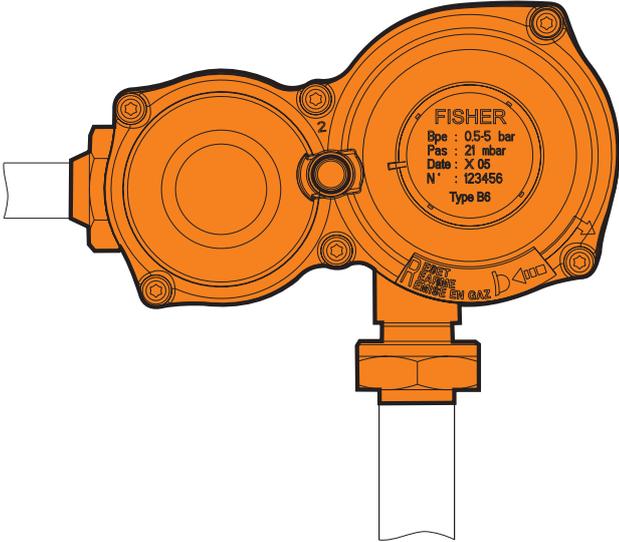
- *2 stages of reduction produce a constant outlet pressure, which is insensitive to changes in inlet pressure*
- *Nominal flow up to 10 m³/h(n) with an accuracy of AC 5*
- *Inlet pressure range 0.5 to 5 bar, possibility of 0.1 to 6 bar under certain conditions*
- *Outlet pressures 21, 27, 37 mbar (standard), 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*

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



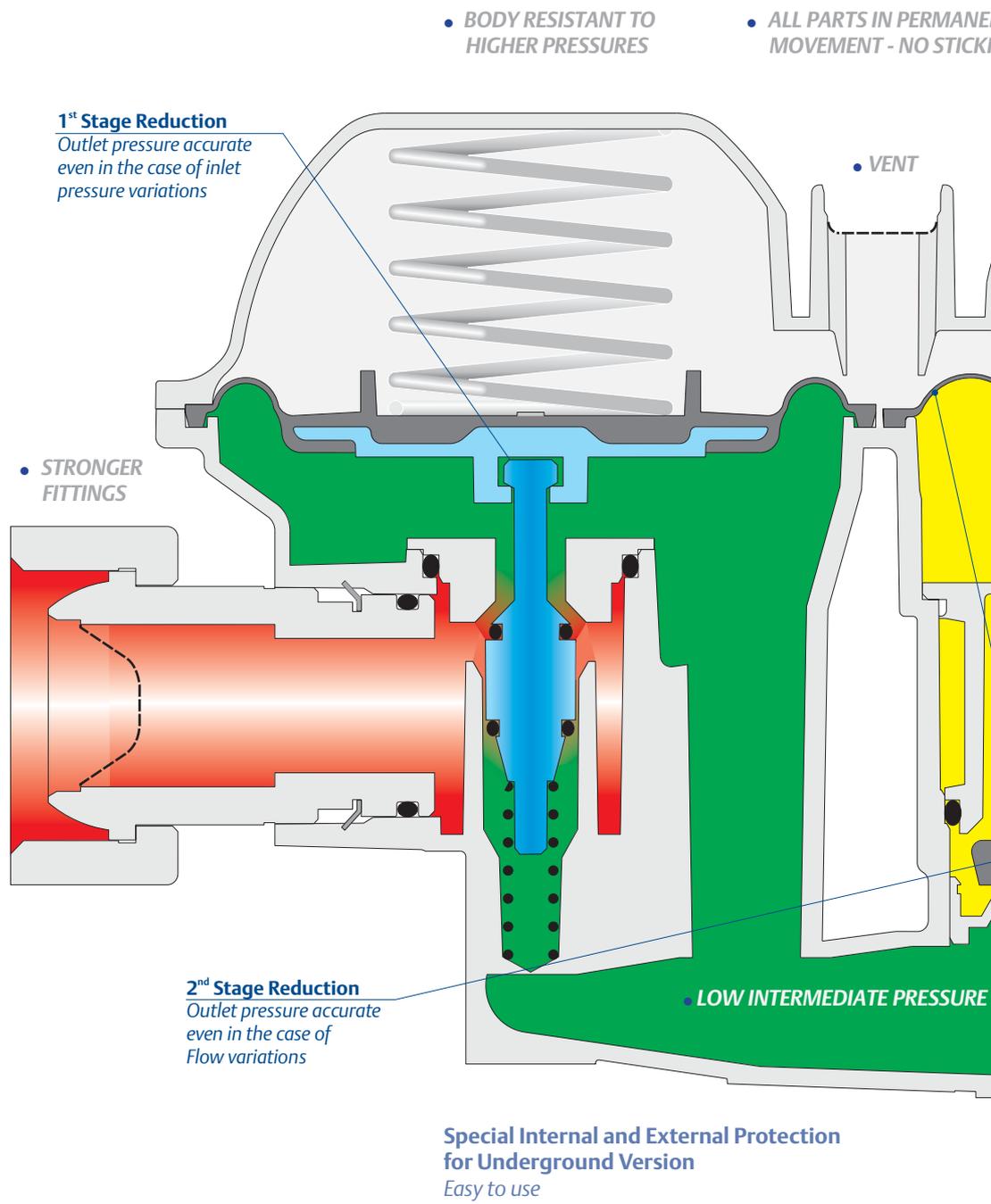
Line-Shape



Angle-Shape

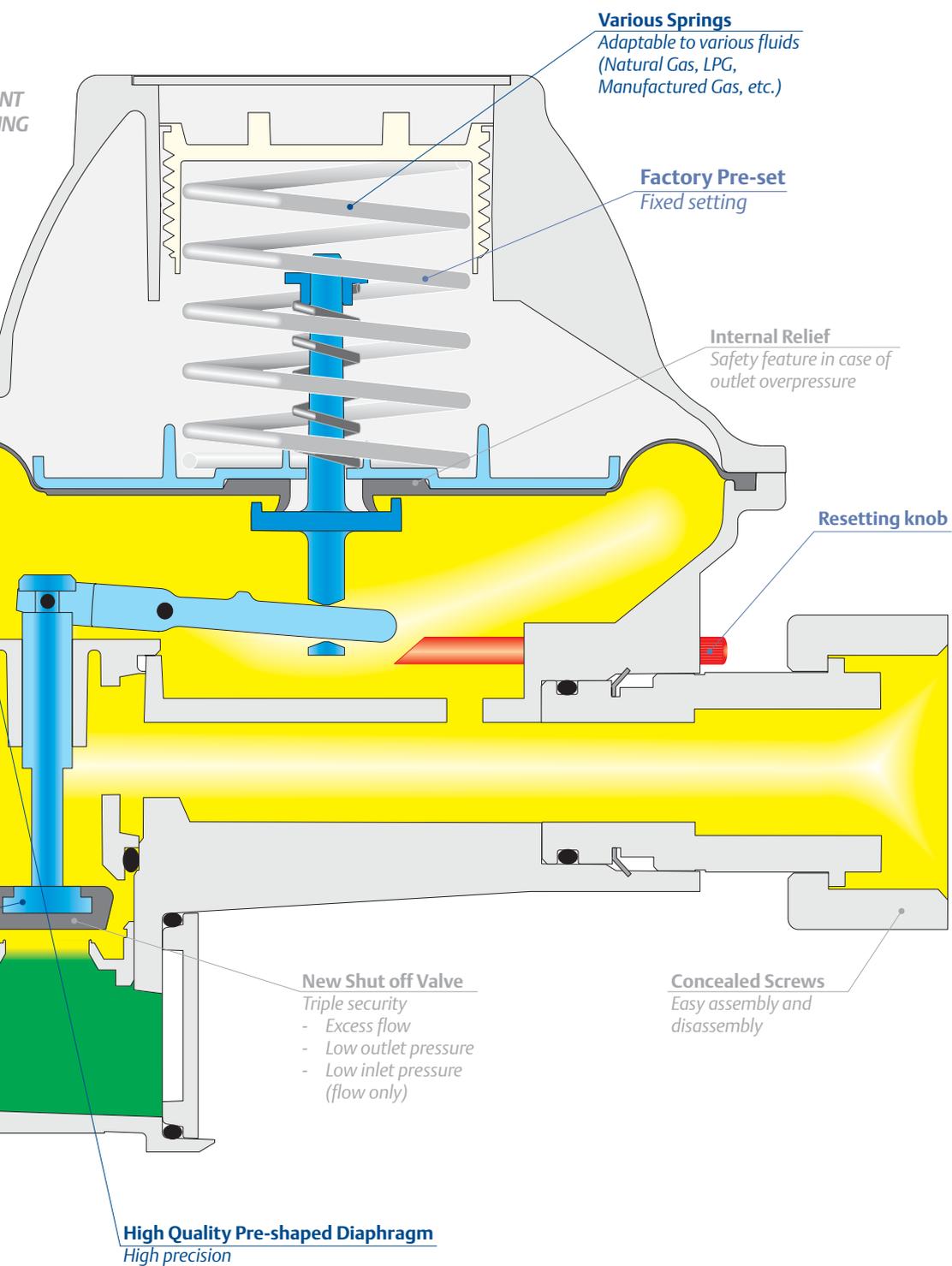
B NG Regulators

Description



Type B NG Regulator - M

NT
ING



Main Characteristics

B NG Regulators

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

Flow Range at 21 mbar

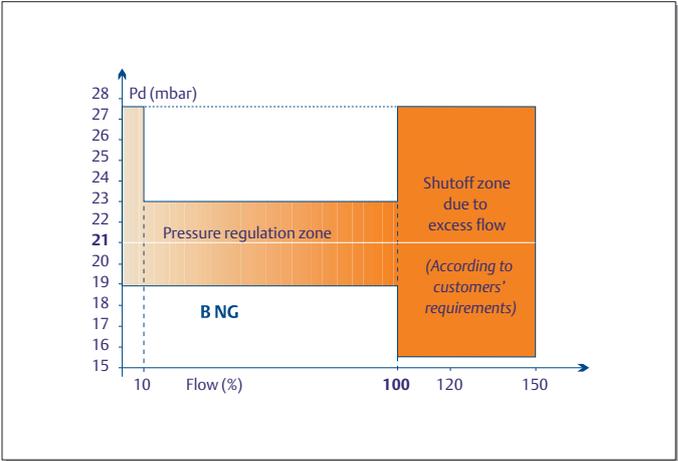
B NG Flow (m ³ /h(n))										
	B6 NG					B10 NG				
Pu (bar)	0.1	0.2	0.3	0.4	0.5 to 6	0.1	0.2	0.3	0.4	0.5 to 6
m ³ /h(n)	3.5	6	6.6		6.6	6	10	11		11

Materials

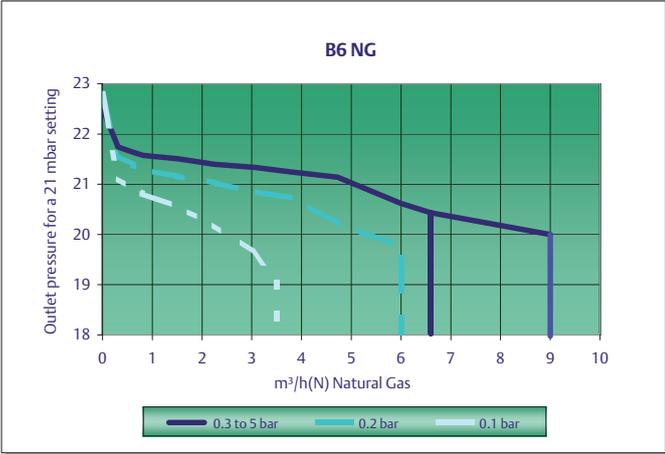
Body	:	Zinc/Aluminum Alloy
Casing	:	Zinc/Aluminum Alloy
Inlet Connection	:	Brass
Inlet Filter	:	Bronze or Plastic
Outlet Connection	:	Brass
1 st Stage Plug	:	Nitrile
1 st Stage Disc Orifice	:	Aluminum
2 nd Stage Plug	:	Nitrile
2 nd Stage Disc Orifice	:	Brass
Diaphragms	:	Nitrile
Vent Screen	:	Stainless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

Functional Features

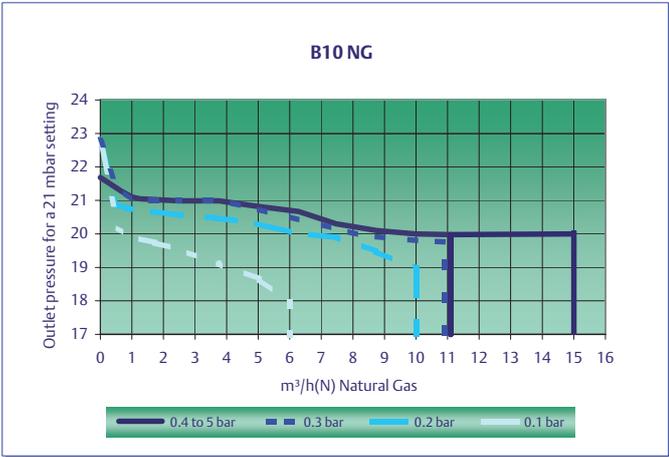
- Temperature**
TS: -20 / +60°C
- Flow Capacity**
Q: 0 to 10 m³/h(n)
- Accuracy**
AC: Up to 5
- Lock-up Pressure Class**
SG: Up to 20



Flow Curve indicating Shutoff Zone



B6 NG Flow Curves

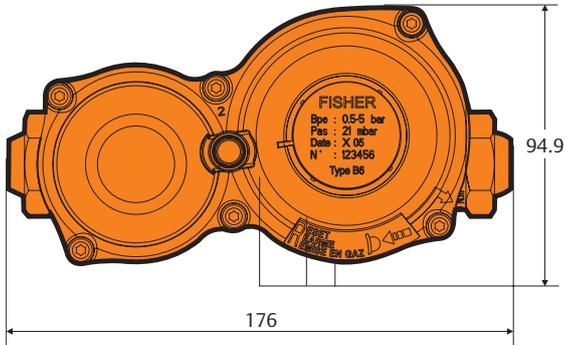


B10 NG Flow Curves

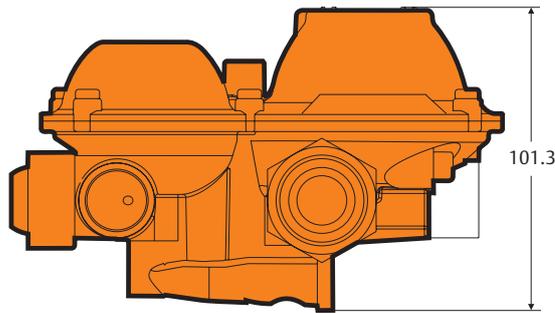
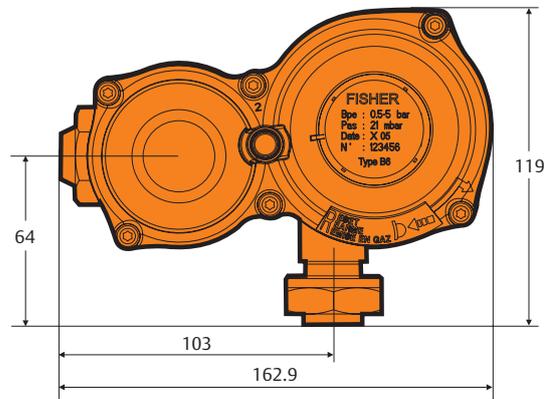
Dimensions & Weight

Dimensions (mm):

Line-Shape Dimensions



Angle-Shape Dimensions



Weight: 980 to 1000 grams depending on version

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