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# TYPE B NG REGULATOR

## DESCRIPTION

The type B NG is a two-stage pressure reducing regulator with an automatic safety device to avoid outlet over-pressure (relief valve venting to atmosphere) or stopping the gas flow in the event of an abnormal drop in inlet or outlet pressure or an excess flow condition.

Rearming is manual by using the push-button and depending on models (B6 version only) a valve may be associated. A removable vent filter is situated in the inlet connection, and a vent screen (see schematic, item V).

The underground model is treated for anti-corrosion and is painted.

**Maximum allowable pressure:** 5 bar

**Operating temperature:** -20 / 60°C

Certain conditions apply for usage outside these ranges.

## INSTALLATION

### CAUTION

- To be used with clean, dry and non-corrosive gas.
- All regulators, except for underground version, must be protected from direct contact of water and corrosive atmosphere due to construction materials base with zinc, copper and aluminium (cabinet installation recommended).
- Recommended installation positions : inlet and/ or outlet in vertical position.
- To avoid: vent facing upwards, without protector or connector, in humid conditions (risk of water penetration due to rain or condensation).

### Before connecting :

- Do not weld the inlet and outlet connections with the regulator in place.
- Remove the protective capsules from the inlet and outlet connections.
- Ensure that the pipeline is perfectly clean.
- Place the O-ring(s), (according to model) greasing is recommended.

### Connection

- Respect the gas flow direction indicated on the regulator body.
- Respect the tightening torques by using a dynamometric wrench (inlet with tight shutoff metal = 40 Nm, others according to O-ring used).



### WARNING

**Do not re-orientate the regulator after tightening connections, under no circumstances should the regulator be put under any geometrical or dimensional consecutive force between inlet and outlet sides.**

**When connecting the vent (residential areas, underground) the diameter used should not be inferior to 10 mm and should not be obstructed.**

## COMMISSIONING OR REARMING

**1**

Close the downstream valve (if existent). Open the upstream valve. Press on the green button for a few seconds, then release. Open the downstream valve (if existent).

Gas Type	Density	Volum Weight kg/m <sup>3</sup>	Pressure Setpoint Pds (mbar)	Nominal Flow	
				B6	B10
Manufactured gas (n)m <sup>3</sup> /h <ul style="list-style-type: none"><li>• Butane air</li><li>• Propane air</li></ul>	1.20	1.552	11	4	7
	1.15	1.487	11	4	7
Natural gas (n)m <sup>3</sup> /h <ul style="list-style-type: none"><li>• Group L</li><li>• Group H</li></ul>	0.64	0.827	27	6	10
	0.61	0.789	21	6	10
LP-gas kg/h <ul style="list-style-type: none"><li>• Propane</li></ul>	1.56	2.017	37	7.2	12

# Type B NG

## Industrial Regulators

### Emerson Process Management Regulator Technologies, Inc.

USA - Headquarters  
McKinney, Texas 75070, USA  
Tel: +1 800 558 5853  
Outside U.S. +1 972 548 3574

Asia-Pacific  
Shanghai 201206, China  
Tel: +86 21 2892 9000

Europe  
Bologna 40013, Italy  
Tel: +39 051 419 0611

Middle East and Africa  
Dubai, United Arab Emirates  
Tel: +971 4811 8100

## Natural Gas Technologies

### Emerson Process Management Regulator Technologies, Inc.

USA - Headquarters  
McKinney, Texas 75070, USA  
Tel: +1 800 558 5853  
Outside U.S. +1 972 548 3574

Asia-Pacific  
Singapore 128461, Singapore  
Tel: +65 6777 8337

Europe  
O.M.T. Tartarini s.r.l. Via P. Fabbri 1,  
I-40013 Castel Maggiore (Bologna),  
Italy  
Tel: +39 051 419 0611  
Francel SAS, 3 ave Victor Hugo,  
CS 80125 - Chartres 28008, France  
Tel: +33 2 37 33 47 00

Middle East and Africa  
Dubai, United Arab Emirates  
Tel: +971 4811 8100

## TESCOM

### Emerson Process Management Tescom Corporation

USA - Headquarters  
Elk River, Minnesota 55330-2445,  
USA  
Tels: +1 763 241 3238  
+1 800 447 1250

Asia-Pacific  
Shanghai 201206, China  
Tel: +86 21 2892 9499

Europe  
Selmsdorf 23923, Germany  
Tel: +49 38823 31 287

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