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## LOW PRESSURE REGULATOR

Alfa 30 BP series, with balanced direct action regulation

### Product informations

**Alfa 30 BP** series regulator with balanced direct action, equipped with external sensing line and safety relief valve; suitable for the use of not corrosive gases as methane and LPG.

**Also available the version with minimum and maximum pressure shut-off valve downstream (sku 2436).**

REGULATOR STRUCTURE	
1	O-RING
2	O-RING
3	O-RING
4	O-RING
5	O-RING
6	O-RING
7	O-RING
8	O-RING
9	O-RING
10	MEMBRANE



## Low Pressure Regulator

<i>REGULATOR STRUCTURE</i>	
<b>11</b>	PILL
<b>12</b>	LIP RING
<b>13</b>	BALANCING MEMBRANE
<b>A</b>	PLASTIC CAP + O-RING
<b>B</b>	COMPLETE HEADER
<b>C</b>	FULL LEVERAGE
<b>D</b>	COMPLETE BLOCK
<b>E</b>	SHUTTER SEAT + O-RING
<b>F</b>	BOTTOM PLATE + O-RING + SCREWS
<b>G</b>	MEMBRANE PROTECTIVE PLATE
<b>H</b>	<ul style="list-style-type: none"> <li>• RED SPRING Ø 2 (<i>SETTING 30 ÷ 43 MBAR</i>)</li> <li>• YELLOW SPRING Ø 2,2 (<i>SETTING 42 ÷ 72 MBAR</i>)</li> <li>• BLUE SPRING Ø 2,5 (<i>SETTING 70 ÷ 110 MBAR</i>)</li> </ul>
<b>I</b>	ADJUSTMENT FERRULE

## Technical Features

<i>FLOW RATE</i>	<i>SEE TABLE UNDERLYING</i>
<i>INLET CONNECTION</i>	DN 25
<i>OUTPUT CONNECTION</i>	DN 40
<i>INLET PRESSURE</i>	0,5 ÷ 5 BAR
<i>OUTPUT PRESSURE</i>	16 ÷ 110 MBAR
<i>STANDARD OUTPUT PRESSURE</i>	ON REQUEST
<i>WORKING TEMPERATURE</i>	- 20°C ÷ + 60°C



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<b>EXTERNAL SENSING LINE</b>	Ø 10
<b>MATERIALS</b>	<ul style="list-style-type: none"> <li>• BODY: GS 400 CAST IRON</li> <li>• HEADER: DIE-CAST ALUMINIUM</li> <li>• SEAL: NITRILE RUBBER NBR OR HNBR</li> <li>• MEMBRANE: SANDWICH RUBBERIZED FABRIC</li> </ul>
<b>DIMENSIONS</b>	180 X 180 X 76 MM

### FLOW RATE TABLE M<sup>3</sup>/H

#### INLET PRESSURE

#### OUTLET PRESSURE

	0,3 BAR	0,5 BAR	0,8 BAR	1 BAR
25 MBAR	66 M <sup>3</sup> /H	83 M <sup>3</sup> /H	109 M <sup>3</sup> /H	162 M <sup>3</sup> /H
35 MBAR	64 M <sup>3</sup> /H	81 M <sup>3</sup> /H	108 M <sup>3</sup> /H	162 M <sup>3</sup> /H
50 MBAR	62 M <sup>3</sup> /H	80 M <sup>3</sup> /H	107 M <sup>3</sup> /H	161 M <sup>3</sup> /H
100 MBAR	52 M <sup>3</sup> /H	73 M <sup>3</sup> /H	104 M <sup>3</sup> /H	158 M <sup>3</sup> /H

***To obtain the LPG flow rates in kg/h, multiply the values in red by 1.42.***

SKU	MODEL	PRICE
00000002434	ALFA 30 BP SERIES REGULATOR - DN 25 - DN 20 CONNECTION	€670.9 VAT EXCLUDED
00000002436	ALFA 30 BP SERIES REGULATOR - DN 25 - DN 20 CONNECTION - WITH BLOCK	€1026.0 VAT EXCLUDED



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