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## LOW PRESSURE REGULATOR

Alfa 10 BP series, with balanced direct action regulation

### Product informations

*Alfa 10 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 2412).***

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>	
<i>11</i>	PILL
<i>12</i>	LIP RING
<i>13</i>	BALANCING MEMBRANE
<i>A</i>	PLASTIC CAP + O-RING
<i>B</i>	COMPLETE HEADER
<i>C</i>	FULL LEVERAGE
<i>D</i>	COMPLETE BLOCK
<i>E</i>	SHUTTER SEAT + O-RING
<i>F</i>	BOTTOM PLATE + O-RING + SCREWS
<i>G</i>	MEMBRANE PROTECTIVE PLATE
<i>H</i>	<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>
<i>I</i>	ADJUSTMENT FERRULE

## Technical Features

<i>FLOW RATE</i>	SEE TABLE UNDERLYING
<i>INLET CONNECTION</i>	1"
<i>OUTPUT CONNECTION</i>	1"
<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 100 X 50 MM

<b>FLOW RATE TABLE M<sup>3</sup>/H</b>	<b>INLET PRESSURE</b>			
	0,3 BAR	0,5 BAR	0,8 BAR	1 BAR
<b>25 MBAR</b>	33 M <sup>3</sup> /H	41 M <sup>3</sup> /H	55 M <sup>3</sup> /H	82 M <sup>3</sup> /H
<b>35 MBAR</b>	32 M <sup>3</sup> /H	40 M <sup>3</sup> /H	54 M <sup>3</sup> /H	81 M <sup>3</sup> /H
<b>50 MBAR</b>	30 M <sup>3</sup> /H	39 M <sup>3</sup> /H	53 M <sup>3</sup> /H	80 M <sup>3</sup> /H
<b>100 MBAR</b>	23 M <sup>3</sup> /H	36 M <sup>3</sup> /H	51 M <sup>3</sup> /H	79 M <sup>3</sup> /H

**OUTLET PRESSURE**

***To obtain the LPG flow rates in kg/h, multiply the values in red by 1,42.***

SKU	MODEL	PRICE
00000002410	ALFA 10 BP SERIES REGULATOR - 1"X1" CONNECTION	€513.0 VAT EXCLUDED
00000002412	ALFA 10 BP SERIES REGULATOR - 1"X1" CONNECTION - WITH BLOCK	€874.0 VAT EXCLUDED



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