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## HIGH PRESSURE REGULATOR

Alfa 50 AP series, with balanced direct action regulation

### Product informations

**Alfa 50 AP** series regulator with balanced direct action, 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 2591).**

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



## High Pressure Regulator

<i>REGULATOR STRUCTURE</i>	
<b>10</b>	MEMBRANE
<b>A</b>	COMPLETE HEADER
<b>B</b>	FULL LEVERAGE
<b>C</b>	COMPLETE BLOCK
<b>D</b>	SHUTTER SEAT + O-RING
<b>E</b>	BOTTOM PLATE + O-RING + SCREWS
<b>F</b>	MEMBRANE PROTECTIVE PLATE
<b>G</b>	<ul style="list-style-type: none"> <li>• WHITE SPRING Ø 7 (<i>SETTING 0,3 ÷ 0,75 BAR</i>)</li> <li>• GREEN SPRING Ø 7,5 (<i>SETTING 0,58 ÷ 0,9 BAR</i>)</li> <li>• BLACK SPRING Ø 8 (<i>SETTING 0,85 ÷ 1,25 BAR</i>)</li> <li>• GREY SPRING Ø 9 (<i>SETTING 1,1 ÷ 2 BAR</i>)</li> <li>• PURPLE SPRING Ø 10 (<i>SETTING 1,85 ÷ 4 BAR</i>)</li> </ul>

## Technical Features

<b>FLOW RATE</b>	<i>SEE TABLE UNDERLYING</i>
<b>INLET CONNECTION</b>	DN 50
<b>OUTPUT CONNECTION</b>	DN 40
<b>INLET PRESSURE</b>	MAX 18 BAR
<b>OUTPUT PRESSURE</b>	0,31 ÷ 4 BAR
<b>STANDARD OUTPUT PRESSURE</b>	ON REQUEST
<b>WORKING TEMPERATURE</b>	- 20°C ÷ + 60°C
<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>



## High Pressure Regulator

<b>DIMENSIONS</b>	350 X 254 X 82 MM
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<b>FLOW RATE TABLE M<sup>3</sup>/H</b>	<b>INLET PRESSURE</b>			
	3 BAR	4 BAR	5 BAR	8 BAR
<b>OUTLET PRESSURE</b>				
0,5 BAR	1046 M <sup>3</sup> /H	1314 M <sup>3</sup> /H	1576 M <sup>3</sup> /H	1590 M <sup>3</sup> /H
1 BAR	1018 M <sup>3</sup> /H	1304 M <sup>3</sup> /H	1576 M <sup>3</sup> /H	2120 M <sup>3</sup> /H
1,5 BAR	956 M <sup>3</sup> /H	1272 M <sup>3</sup> /H	1560 M <sup>3</sup> /H	2366 M <sup>3</sup> /H
2 BAR	844 M <sup>3</sup> /H	1214 M <sup>3</sup> /H	1527 M <sup>3</sup> /H	2364 M <sup>3</sup> /H
3 BAR	-	973 M <sup>3</sup> /H	1388 M <sup>3</sup> /H	2337 M <sup>3</sup> /H
4 BAR	-	-	1087 M <sup>3</sup> /H	2240 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
00000002590	ALFA 50 AP SERIES REGULATOR - DN 50 - DN 50 CONNECTION	€2157.6 VAT EXCLUDED
00000002591	ALFA 50 AP SERIES REGULATOR - DN 50 - DN 50 CONNECTION - WITH BLOCK	€2681.3 VAT EXCLUDED

