



Catalogues and Products > Heating > Methane/lpg Regulators for Civil - Industrial Applications > **Hight Pressure Regulator**

## HIGHT PRESSURE REGULATOR

Alfa 31 AP series, direct action regulation

### Product informations

**Alfa 31 AP** series regulator with direct action equipped with internal sensing line, 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 2444).**

REGULATOR STRUCTURE	
1	O-RING
2	O-RING
3	O-RING
4	O-RING
5	O-RING
6	O-RING
7	MEMBRANE
8	PILL
A	PLASTIC CAP + O-RING
B	COMPLETE HEADER



## High Pressure Regulator

<i>REGULATOR STRUCTURE</i>	
<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>• GREEN SPRING Ø 4,5 (<i>SETTING 0,69 ÷ 1 BAR</i>)</li> <li>• BLACK SPRING Ø 5 (<i>SETTING 1 ÷ 1,5 BAR</i>)</li> <li>• GREY SPRING Ø 5,5 (<i>SETTING 1,4 ÷ 2,1 BAR</i>)</li> </ul>
<i>I</i>	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>	MAX 18 BAR
<i>OUTPUT PRESSURE</i>	0,3 ÷ 2 BAR (4 BAR TR MODEL)
<i>STANDARD OUTPUT PRESSURE</i>	ON REQUEST
<i>WORKING TEMPERATURE</i>	- 20°C ÷ + 60°C
<i>MATERIALS</i>	<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>
<i>DIMENSIONS</i>	180 X 180 X 50 MM



**Hight Pressure Regulator**

FLOW RATE TABLE M <sup>3</sup> /H	INLET PRESSURE			
	3 BAR	4 BAR	5 BAR	8 BAR
0,35 BAR	333 M <sup>3</sup> /H	451 M <sup>3</sup> /H	565 M <sup>3</sup> /H	676 M <sup>3</sup> /H
0,5 BAR	328 M <sup>3</sup> /H	450 M <sup>3</sup> /H	565 M <sup>3</sup> /H	677 M <sup>3</sup> /H
0,7 BAR	319 M <sup>3</sup> /H	446 M <sup>3</sup> /H	564 M <sup>3</sup> /H	678 M <sup>3</sup> /H
1 BAR	289 M <sup>3</sup> /H	437 M <sup>3</sup> /H	560 M <sup>3</sup> /H	677 M <sup>3</sup> /H
1,5 BAR	233 M <sup>3</sup> /H	411 M <sup>3</sup> /H	547 M <sup>3</sup> /H	671 M <sup>3</sup> /H
2 BAR	-	363 M <sup>3</sup> /H	522 M <sup>3</sup> /H	656 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
00000002442	ALFA 31 AP SERIES REGULATOR - DN 25 - DN 40 CONNECTION	€627.0 VAT EXCLUDED
00000002444	ALFA 31 AP SERIES REGULATOR - DN 25 - DN 40 CONNECTION - WITH BLOCK	€1026.0 VAT EXCLUDED

