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## HIGH PRESSURE REGULATOR

Alfa 20 AP series, direct action regulation

### Product informations

**Alfa 20 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 2432).**

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



## High Pressure Regulator

<i>REGULATOR STRUCTURE</i>	
<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>• PURPLE SPRING Ø 3,5 (<i>SETTING 0,29 ÷ 0,44 BAR</i>)</li> <li>• WHITE SPRING Ø 4 (<i>SETTING 0,38 ÷ 0,6 BAR</i>)</li> <li>• GREEN SPRING Ø 4,5 (<i>SETTING 0,56 ÷ 0,88 BAR</i>)</li> <li>• BLACK SPRING Ø 5 (<i>SETTING 0,8 ÷ 1,3 BAR</i>)</li> <li>• GREY SPRING Ø 5,5 (<i>SETTING 1 ÷ 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>	1"
<i>OUTPUT CONNECTION</i>	1" 1/2
<i>INLET PRESSURE</i>	MAX 18 BAR
<i>OUTPUT PRESSURE</i>	0,29 ÷ 2,1 BAR
<i>STANDARD OUTPUT PRESSURE</i>	ON REQUEST
<i>WORKING TEMPERATURE</i>	- 20°C ÷ + 60°C



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<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 130 X 50 MM

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

#### INLET PRESSURE

OUTLET PRESSURE	INLET PRESSURE			
	3 BAR	4 BAR	5 BAR	8 BAR
0,35 BAR	238 M <sup>3</sup> /H	323 M <sup>3</sup> /H	405 M <sup>3</sup> /H	485 M <sup>3</sup> /H
0,5 BAR	235 M <sup>3</sup> /H	322 M <sup>3</sup> /H	404 M <sup>3</sup> /H	485 M <sup>3</sup> /H
0,7 BAR	228 M <sup>3</sup> /H	319 M <sup>3</sup> /H	403 M <sup>3</sup> /H	486 M <sup>3</sup> /H
1 BAR	213 M <sup>3</sup> /H	313 M <sup>3</sup> /H	401 M <sup>3</sup> /H	485 M <sup>3</sup> /H
1,5 BAR	167 M <sup>3</sup> /H	294 M <sup>3</sup> /H	329 M <sup>3</sup> /H	480 M <sup>3</sup> /H
2 BAR	-	260 M <sup>3</sup> /H	374 M <sup>3</sup> /H	470 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
00000002430	ALFA 20 AP SERIES REGULATOR - 1"X1" 1/2 CONNECTION	€551.0 VAT EXCLUDED
00000002432	ALFA 20 AP SERIES REGULATOR - 1"X1" 1/2 CONNECTION - WITH BLOCK	€950.0 VAT EXCLUDED



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