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## LOW PRESSURE REGULATOR

Alfa 50 BP series, with balanced direct action regulation

### Product informations

**Alfa 50 BP** series regulator with balanced direct action equipped with external 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 2584).**

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
10	MEMBRANE



## Low Pressure Regulator

<i>REGULATOR STRUCTURE</i>	
<i>A</i>	COMPLETE HEADER
<i>B</i>	FULL LEVERAGE
<i>C</i>	COMPLETE BLOCK
<i>D</i>	SHUTTER SEAT + O-RING
<i>E</i>	BOTTOM PLATE + O-RING + SCREWS
<i>F</i>	MEMBRANE PROTECTIVE PLATE
<i>G</i>	<ul style="list-style-type: none"> <li>• BLUE SPRING Ø 3,5 (<i>SETTING 25 ÷ 30 MBAR</i>)</li> <li>• ORANGE SPRING Ø 4 (<i>SETTING 28 ÷ 42 MBAR</i>)</li> <li>• LIGHT BLUE SPRING Ø 5 (<i>SETTING 45 ÷ 90 MBAR</i>)</li> <li>• BROWN SPRING Ø 5,5 (<i>SETTING 75 ÷ 120 MBAR</i>)</li> </ul>

## Technical Features

<i>FLOW RATE</i>	<i>SEE TABLE UNDERLYING</i>
<i>INLET CONNECTION</i>	DN 50
<i>OUTPUT CONNECTION</i>	DN 50
<i>INLET PRESSURE</i>	0,5 ÷ 5 BAR
<i>OUTPUT PRESSURE</i>	16 ÷ 120 MBAR
<i>STANDARD OUTPUT PRESSURE</i>	ON REQUEST
<i>WORKING TEMPERATURE</i>	- 20°C ÷ + 60°C
<i>EXTERNAL SENSING LINE</i>	Ø 10



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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>	350 X 254 X 82 MM

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

#### INLET PRESSURE

	0,5 BAR	1 BAR	1,5 BAR
<b>25 MBAR</b>	258 M <sup>3</sup> /H	287 M <sup>3</sup> /H	448 M <sup>3</sup> /H
<b>35 MBAR</b>	256 M <sup>3</sup> /H	263 M <sup>3</sup> /H	431 M <sup>3</sup> /H
<b>50 MBAR</b>	255 M <sup>3</sup> /H	341 M <sup>3</sup> /H	506 M <sup>3</sup> /H
<b>100 MBAR</b>	254 M <sup>3</sup> /H	339 M <sup>3</sup> /H	505 M <sup>3</sup> /H
<b>120 MBAR</b>	218 M <sup>3</sup> /H	318 M <sup>3</sup> /H	496 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
00000002582	ALFA 50 BP SERIES REGULATOR - DN 50 - DN 50 CONNECTION	€1957.0 VAT EXCLUDED
00000002584	ALFA 50 BP SERIES REGULATOR - DN 50 - DN 50 CONNECTION - WITH BLOCK	€2413.0 VAT EXCLUDED



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