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## MEDIUM PRESSURE REGULATOR

Alfa 50 MP series, balanced direct acting regulation

### Product informations

**Alfa 50 MP** 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 2588).**

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



## Medium 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>	WHITE SPRING Ø 7 ( <i>SETTING 110 ÷ 320 MBAR</i> )

## 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>	110 ÷ 320 MBAR
<i>STANDARD OUTPUT PRESSURE</i>	ON REQUEST
<i>WORKING TEMPERATURE</i>	- 20°C ÷ + 60°C
<i>EXTERNAL SENSING LINE</i>	Ø 10
<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>	350 X 254 X 82 MM



Medium Pressure Regulator

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

**INLET PRESSURE**

0,5 BAR    1 BAR    1,5 BAR

0,11 BAR    323 M<sup>3</sup>/H    499 M<sup>3</sup>/H    647 M<sup>3</sup>/H

0,15 BAR    308 M<sup>3</sup>/H    492 M<sup>3</sup>/H    644 M<sup>3</sup>/H

0,20 BAR    291 M<sup>3</sup>/H    485 M<sup>3</sup>/H    640 M<sup>3</sup>/H

0,30 BAR    248 M<sup>3</sup>/H    469 M<sup>3</sup>/H    631 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
00000002586	ALFA 50 MP SERIES REGULATOR - DN 50 - DN 50 CONNECTION	€1960.5 VAT EXCLUDED
00000002588	ALFA 50 MP SERIES REGULATOR - DN 50 - DN 50 CONNECTION - WITH BLOCK	€2413.0 VAT EXCLUDED

