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## HIGH, MEDIUM AND LOW PRESSURE REGULATORS

Alfa 100 series, with balanced direct action regulation

### Product informations

Alfa 100 series regulators balanced direct action, equipped with external sensing line, suitable for the use of not corrosive gases as methane and LPG. *Available complete with minimum and maximum pressure block valve downstream.*

**Also available the minimum and maximum pressure shut-off valve (sku 2645).**

### Technical Features

<b>FLOW RATE</b>	<b>SEE TABLE UNDERLYING</b>
<b>INLET CONNECTION</b>	DN 100
<b>OUTPUT CONNECTION</b>	DN 100
<b>INLET PRESSURE</b>	<ul style="list-style-type: none"> <li>• BP MODELS 0.5 ÷ 5 BAR (SKU 2641 / 2647)</li> <li>• MP MODELS 0,5 ÷ 5 BAR (SKU 2642 / 2648)</li> <li>• AP MODELS MAX 18 BAR (SKU 2643 / 2649)</li> </ul>
<b>OUTPUT PRESSURE</b>	<ul style="list-style-type: none"> <li>• BP MODELS 16 ÷ 320 MBAR (SKU 2641 / 2647)</li> <li>• MP MODELS 0,2 ÷ 1 BAR (SKU 2642 / 2648)</li> <li>• AP MODELS 0,5 ÷ 4 BAR (SKU 2643 / 2649)</li> </ul>
<b>ACCURACY CLASS</b>	RG UP TO 5 / SG ± 10%
<b>WORKING TEMPERATURE</b>	- 20°C ÷ + 60°C



<b>EXTERNAL SENSING LINE</b>	Ø 14
<b>MATERIALS</b>	<ul style="list-style-type: none"> <li>• BODY: GS 400 CAST IRON (SKU 2641 / 2642 / 2643)</li> <li>• BODY: STEEL (SKU 2647 / 2648 / 2649)</li> <li>• HEADER: STEEL</li> <li>• SEAL: NITRILE RUBBER NBR OR HNBR</li> <li>• MEMBRANE: SANDWICH RUBBERIZED FABRIC</li> </ul>
<b>DIMENSIONS</b>	650 X 354 X 150 MM

**FLOW RATE TABLE M<sup>3</sup>/H  
LOW PRESSURE MODELS (BP)**
**INLET PRESSURE**

	0,2 BAR	0,3 BAR	0,5 BAR	1 BAR
<b>25 MBAR</b>	1631 M <sup>3</sup> /H	2046 M <sup>3</sup> /H	2707 M <sup>3</sup> /H	4014 M <sup>3</sup> /H
<b>50 MBAR</b>	1529 M <sup>3</sup> /H	1974 M <sup>3</sup> /H	2662 M <sup>3</sup> /H	3995 M <sup>3</sup> /H
<b>100 MBAR</b>	1280 M <sup>3</sup> /H	1807 M <sup>3</sup> /H	2563 M <sup>3</sup> /H	3952 M <sup>3</sup> /H
<b>150 MBAR</b>	927 M <sup>3</sup> /H	1601 M <sup>3</sup> /H	2447 M <sup>3</sup> /H	3904 M <sup>3</sup> /H
<b>200 MBAR</b>	-	1337 M <sup>3</sup> /H	2312 M <sup>3</sup> /H	3848 M <sup>3</sup> /H

**FLOW RATE TABLE M<sup>3</sup>/H  
MEDIUM PRESSURE MODELS (MP)**
**INLET PRESSURE**

0,3 BAR	0,5 BAR	0,1 BAR	1,5 BAR
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**FLOW RATE TABLE M<sup>3</sup>/H  
MEDIUM PRESSURE MODELS (MP)**

**INLET PRESSURE**

0,3 BAR      0,5 BAR      0,1 BAR      1,5 BAR

OUTLET PRESSURE	INLET PRESSURE			
	0,3 BAR	0,5 BAR	0,1 BAR	1,5 BAR
0,2 BAR	1337 M <sup>3</sup> /H	2312 M <sup>3</sup> /H	3848 M <sup>3</sup> /H	5073 M <sup>3</sup> /H
0,3 BAR	-	1965 M <sup>3</sup> /H	3716 M <sup>3</sup> /H	5004 M <sup>3</sup> /H
0,5 BAR	-	-	3343 M <sup>3</sup> /H	4811 M <sup>3</sup> /H
0,7 BAR	-	-	2751 M <sup>3</sup> /H	4526 M <sup>3</sup> /H
1 BAR	-	-	-	3853 M <sup>3</sup> /H

**FLOW RATE TABLE M<sup>3</sup>/H  
HIGH PRESSURE MODELS (HP)**

**INLET PRESSURE**

2 BAR      3 BAR      4 BAR      5 BAR

OUTLET PRESSURE	INLET PRESSURE			
	2 BAR	3 BAR	4 BAR	5 BAR
0,8 BAR	6049 M <sup>3</sup> /H	8291 M <sup>3</sup> /H	8482 M <sup>3</sup> /H	8482 M <sup>3</sup> /H
1 BAR	5498 M <sup>3</sup> /H	8065 M <sup>3</sup> /H	10329 M <sup>3</sup> /H	11309 M <sup>3</sup> /H
1,5 BAR	4307 M <sup>3</sup> /H	7573 M <sup>3</sup> /H	10081 M <sup>3</sup> /H	12361 M <sup>3</sup> /H
2 BAR	-	6686 M <sup>3</sup> /H	9622 M <sup>3</sup> /H	12098 M <sup>3</sup> /H
3 BAR	-	-	7707 M <sup>3</sup> /H	10996 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
00000002641	REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 16 ÷ 320 MBAR - BODY IN GS400	€9291.0 VAT EXCLUDED
00000002642	REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 0,2 ÷ 1 BAR - BODY IN GS400	€9481.0 VAT EXCLUDED
00000002643	REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 0,5 ÷ 4 BAR - BODY IN GS400	€9481.0 VAT EXCLUDED
00000002645	MINIMUM AND MAXIMUM PRESSURE SHUT-OFF VALVE	€1311.0 VAT EXCLUDED
00000002647	REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 16 ÷ 320 MBAR - STEEL BODY	€10336.0 VAT EXCLUDED
00000002648	REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 0,2 ÷ 1 BAR - STEEL BODY	€10545.0 VAT EXCLUDED
00000002649	REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 0,5 ÷ 4 BAR - STEEL BODY	€10754.0 VAT EXCLUDED

