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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"> • GREEN SPRING Ø 4,5 (<i>SETTING 0,69 ÷ 1 BAR</i>) • BLACK SPRING Ø 5 (<i>SETTING 1 ÷ 1,5 BAR</i>) • GREY SPRING Ø 5,5 (<i>SETTING 1,4 ÷ 2,1 BAR</i>)
<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"> • BODY: GS 400 CAST IRON • HEADER: DIE-CAST ALUMINIUM • SEAL: NITRILE RUBBER NBR OR HNBR • MEMBRANE: SANDWICH RUBBERIZED FABRIC
<i>DIMENSIONS</i>	180 X 180 X 50 MM



High Pressure Regulator

FLOW RATE TABLE M³/H

INLET PRESSURE

3 BAR 4 BAR 5 BAR 8 BAR

OUTLET PRESSURE

0,35 BAR	333 M ³ /H	451 M ³ /H	565 M ³ /H	676 M ³ /H
0,5 BAR	328 M ³ /H	450 M ³ /H	565 M ³ /H	677 M ³ /H
0,7 BAR	319 M ³ /H	446 M ³ /H	564 M ³ /H	678 M ³ /H
1 BAR	289 M ³ /H	437 M ³ /H	560 M ³ /H	677 M ³ /H
1,5 BAR	233 M ³ /H	411 M ³ /H	547 M ³ /H	671 M ³ /H
2 BAR	-	363 M ³ /H	522 M ³ /H	656 M ³ /H

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	€658.35 VAT EXCLUDED
00000002444	ALFA 31 AP SERIES REGULATOR - DN 25 - DN 40 CONNECTION - WITH BLOCK	€1077.3 VAT EXCLUDED

