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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



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<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"> • BLUE SPRING Ø 3,5 (<i>SETTING 25 ÷ 30 MBAR</i>) • ORANGE SPRING Ø 4 (<i>SETTING 28 ÷ 42 MBAR</i>) • LIGHT BLUE SPRING Ø 5 (<i>SETTING 45 ÷ 90 MBAR</i>) • BROWN SPRING Ø 5,5 (<i>SETTING 75 ÷ 120 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>	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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MATERIALS	<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
DIMENSIONS	350 X 254 X 82 MM

FLOW RATE TABLE M³/H

INLET PRESSURE

0,5 BAR 1 BAR 1,5 BAR

25 MBAR 258 M³/H 287 M³/H 448 M³/H

35 MBAR 256 M³/H 263 M³/H 431 M³/H

OUTLET PRESSURE

50 MBAR 255 M³/H 341 M³/H 506 M³/H

100 MBAR 254 M³/H 339 M³/H 505 M³/H

120 MBAR 218 M³/H 318 M³/H 496 M³/H

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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