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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REGULATOR STRUCTURE	
A	COMPLETE HEADER
B	FULL LEVERAGE
C	COMPLETE BLOCK
D	SHUTTER SEAT + O-RING
E	BOTTOM PLATE + O-RING + SCREWS
F	MEMBRANE PROTECTIVE PLATE
G	• BLUE SPRING Ø 3,5 (***SETTING 25 ÷ 30 MBAR***) • ORANGE SPRING Ø 4 (***SETTING 28 ÷ 42 MBAR***) • LIGHT BLUE SPRING Ø 5 (***SETTING 45 ÷ 90 MBAR***) • BROWN SPRING Ø 5,5 (***SETTING 75 ÷ 120 MBAR***)

Technical Features

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

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MATERIALS	• 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 M^3/H		*INLET PRESSURE*		
		0,5 BAR	1 BAR	1,5 BAR
OUTLET PRESSURE	**25 MBAR**	258 M^3/H	287 M^3/H	448 M^3/H
	35 MBAR	256 M^3/H	263 M^3/H	431 M^3/H
	50 MBAR	255 M^3/H	341 M^3/H	506 M^3/H
	100 MBAR	254 M^3/H	339 M^3/H	505 M^3/H
	120 MBAR	218 M^3/H	318 M^3/H	496 M^3/H

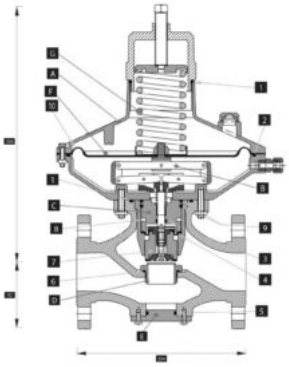
To obtain the LPG flow rates in kg/h, multiply the values in red by 1.42.

SKU	MODEL	PRICE
00000002582	ALFA 50 BP SERIES REGULATOR - DN 50 - DN 50 CONNECTION	€2157.6 VAT EXCLUDED
00000002584	ALFA 50 BP SERIES REGULATOR - DN 50 - DN 50 CONNECTION - WITH BLOCK	€2660.35 VAT EXCLUDED

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