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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> | |
|----------------------------|---|
| C | FULL LEVERAGE |
| D | COMPLETE BLOCK |
| E | SHUTTER SEAT + O-RING |
| F | BOTTOM PLATE + O-RING + SCREWS |
| G | MEMBRANE PROTECTIVE PLATE |
| H | <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 | ADJUSTMENT FERRULE |

Technical Features

| | |
|---------------------------------|--|
| FLOW RATE | <i>SEE TABLE UNDERLYING</i> |
| INLET CONNECTION | DN 25 |
| OUTPUT CONNECTION | DN 40 |
| INLET PRESSURE | MAX 18 BAR |
| OUTPUT PRESSURE | 0,3 ÷ 2 BAR (4 BAR TR MODEL) |
| STANDARD OUTPUT PRESSURE | ON REQUEST |
| WORKING TEMPERATURE | - 20°C ÷ + 60°C |
| 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 | 180 X 180 X 50 MM |



Hight Pressure Regulator

| FLOW RATE TABLE M ³ /H | INLET PRESSURE | | | |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 3 BAR | 4 BAR | 5 BAR | 8 BAR |
| 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 |

OUTLET PRESSURE

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 | €691.3 VAT EXCLUDED |
| 00000002444 | ALFA 31 AP SERIES REGULATOR - DN 25 - DN 40 CONNECTION - WITH BLOCK | €1131.2 VAT EXCLUDED |

