# HIGH PRESSURE REGULATOR

Alfa 40 AP series, with balanced direct action regulation

## Product informations

***Alfa 40 AP*** series regulator with balanced direct action, equipped with external sensing line and safety relief valve; 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 2456).***

| *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 |



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| *REGULATOR STRUCTURE* | |
|---|---|
| *10* | MEMBRANE |
| *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* | • WHITE SPRING Ø 7 (***SETTING 0,3 ÷ 0,75 BAR***)<br>• GREEN SPRING Ø 7,5 (***SETTING 0,58 ÷ 0,9 BAR***)<br>• BLACK SPRING Ø 8 (***SETTING 0,85 ÷ 1,25 BAR***)<br>• GREY SPRING Ø 9 (***SETTING 1,1 ÷ 2 BAR***)<br>• PURPLE SPRING Ø 10 (***SETTING 1,85 ÷ 4 BAR***) |

## Technical Features

| | |
|---|---|
| *FLOW RATE* | *SEE TABLE UNDERLYING* |
| *INLET CONNECTION* | DN 40 |
| *OUTPUT CONNECTION* | DN 40 |
| *INLET PRESSURE* | MAX 18 BAR |
| *OUTPUT PRESSURE* | 0,31 ÷ 4 BAR |
| *STANDARD OUTPUT PRESSURE* | **ON REQUEST** |
| *WORKING TEMPERATURE* | - 20°C ÷ + 60°C |
| *MATERIALS* | • BODY: GS 400 CAST IRON<br>• HEADER: DIE-CAST ALUMINIUM<br>• SEAL: NITRILE RUBBER NBR OR HNBR<br>• MEMBRANE: SANDWICH RUBBERIZED FABRIC |



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# High Pressure Regulator

| | |
|---|---|
| *DIMENSIONS* | 350 X 223 X 75 MM |

| *FLOW RATE TABLE $M^3/H$* | | *INLET PRESSURE* | | | |
|---|---|---|---|---|---|
| | | 3 BAR | 4 BAR | 5 BAR | 8 BAR |
| *OUTLET PRESSURE* | 0,5 BAR | 670 $M^3/H$ | 841 $M^3/H$ | 1009 $M^3/H$ | 1017 $M^3/H$ |
| | 1 BAR | 651 $M^3/H$ | 834 $M^3/H$ | 1008 $M^3/H$ | 1357 $M^3/H$ |
| | 1,5 BAR | 611 $M^3/H$ | 814 $M^3/H$ | 998 $M^3/H$ | 1514 $M^3/H$ |
| | 2 BAR | 540 $M^3/H$ | 777 $M^3/H$ | 977 $M^3/H$ | 1513 $M^3/H$ |
| | 3 BAR | - | 622 $M^3/H$ | 888 $M^3/H$ | 1489 $M^3/H$ |
| | 4 BAR | - | - | 696 $M^3/H$ | 1433 $M^3/H$ |

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

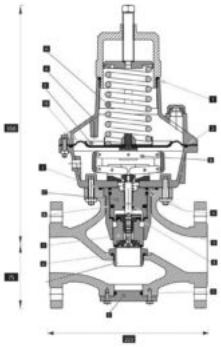
| SKU | MODEL | PRICE |
|---|---|---|
| 00000002454 | ALFA 40 AP SERIES REGULATOR - DN 40 - DN 40 CONNECTION | €1906.25 VAT EXCLUDED |
| 00000002456 | ALFA 40 AP SERIES REGULATOR - DN 40 - DN 40 CONNECTION - WITH BLOCK | €2429.95 VAT EXCLUDED |



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