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## MEDIUM PRESSURE REGULATOR

Alfa 40 MP series, balanced direct acting regulation

### Product informations

**Alfa 40 MP** 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 2452).**

| 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           |



## Medium Pressure Regulator

| <i>REGULATOR STRUCTURE</i> |                                           |
|----------------------------|-------------------------------------------|
| <b>A</b>                   | COMPLETE HEADER                           |
| <b>B</b>                   | FULL LEVERAGE                             |
| <b>C</b>                   | COMPLETE BLOCK                            |
| <b>D</b>                   | SHUTTER SEAT + O-RING                     |
| <b>E</b>                   | BOTTOM PLATE + O-RING + SCREWS            |
| <b>F</b>                   | MEMBRANE PROTECTIVE PLATE                 |
| <b>G</b>                   | WHITE SPRING Ø 7 (SETTING 110 ÷ 320 MBAR) |

## Technical Features

|                                 |                                                                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>FLOW RATE</i>                | <i>SEE TABLE UNDERLYING</i>                                                                                                                                                                                  |
| <i>INLET CONNECTION</i>         | DN 40                                                                                                                                                                                                        |
| <i>OUTPUT CONNECTION</i>        | DN 40                                                                                                                                                                                                        |
| <i>INLET PRESSURE</i>           | 0,5 ÷ 5 BAR                                                                                                                                                                                                  |
| <i>OUTPUT PRESSURE</i>          | 110 ÷ 320 MBAR                                                                                                                                                                                               |
| <i>STANDARD OUTPUT PRESSURE</i> | ON REQUEST                                                                                                                                                                                                   |
| <i>WORKING TEMPERATURE</i>      | - 20°C ÷ + 60°C                                                                                                                                                                                              |
| <i>EXTERNAL SENSING LINE</i>    | Ø 10                                                                                                                                                                                                         |
| <i>MATERIALS</i>                | <ul style="list-style-type: none"> <li>• BODY: GS 400 CAST IRON</li> <li>• HEADER: DIE-CAST ALUMINIUM</li> <li>• SEAL: NITRILE RUBBER NBR OR HNBR</li> <li>• MEMBRANE: SANDWICH RUBBERIZED FABRIC</li> </ul> |
| <i>DIMENSIONS</i>               | 350 X 223 X 75 MM                                                                                                                                                                                            |



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### FLOW RATE TABLE M<sup>3</sup>/H

#### INLET PRESSURE

0,5 BAR    1 BAR    1,5 BAR

0,11 BAR    207 M<sup>3</sup>/H    319 M<sup>3</sup>/H    414 M<sup>3</sup>/H

0,15 BAR    197 M<sup>3</sup>/H    315 M<sup>3</sup>/H    412 M<sup>3</sup>/H

0,20 BAR    186 M<sup>3</sup>/H    311 M<sup>3</sup>/H    409 M<sup>3</sup>/H

0,30 BAR    158 M<sup>3</sup>/H    300 M<sup>3</sup>/H    404 M<sup>3</sup>/H

#### OUTLET PRESSURE

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

| SKU         | MODEL                                                               | PRICE                 |
|-------------|---------------------------------------------------------------------|-----------------------|
| 00000002450 | ALFA 40 MP SERIES REGULATOR - DN 40 - DN 40 CONNECTION              | €1906.25 VAT EXCLUDED |
| 00000002452 | ALFA 40 MP SERIES REGULATOR - DN 40 - DN 40 CONNECTION - WITH BLOCK | €2409.0 VAT EXCLUDED  |

