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## MEDIUM PRESSURE REGULATOR

Alfa 30 MP series, with balanced direct action regulation

### Product informations

**Alfa 30 MP** 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 2440).**

| REGULATOR STRUCTURE |        |
|---------------------|--------|
| 1                   | O-RING |
| 2                   | O-RING |
| 3                   | O-RING |
| 4                   | O-RING |
| 5                   | O-RING |
| 6                   | O-RING |
| 7                   | O-RING |
| 8                   | O-RING |
| 9                   | O-RING |



## Medium Pressure Regulator

| REGULATOR STRUCTURE |                                                                                                                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10                  | MEMBRANE                                                                                                                                                                                                                                                                                       |
| 11                  | PILL                                                                                                                                                                                                                                                                                           |
| 12                  | LIP RING                                                                                                                                                                                                                                                                                       |
| 13                  | BALANCING MEMBRANE                                                                                                                                                                                                                                                                             |
| A                   | PLASTIC CAP + O-RING                                                                                                                                                                                                                                                                           |
| B                   | COMPLETE HEADER                                                                                                                                                                                                                                                                                |
| C                   | FULL LEVERAGE                                                                                                                                                                                                                                                                                  |
| D                   | COMPLETE BLOCK                                                                                                                                                                                                                                                                                 |
| E                   | SHUTTER SEAT + O-RING                                                                                                                                                                                                                                                                          |
| F                   | BOTTOM PLATE + O-RING + SCREWS                                                                                                                                                                                                                                                                 |
| G                   | DIAPHRAGM PROTECTIVE PLATE                                                                                                                                                                                                                                                                     |
| H                   | <ul style="list-style-type: none"> <li>• BLUE SPRING Ø 2,5 (<b>SETTING 95 ÷ 130 MBAR</b>)</li> <li>• ORANGE SPRING Ø 3 (<b>SETTING 130 ÷ 220 MBAR</b>)</li> <li>• BROWN SPRING Ø 3,5 (<b>SETTING 200 ÷ 300 MBAR</b>)</li> <li>• PURPLE SPRING Ø 3,5 (<b>SETTING 260 ÷ 450 MBAR</b>)</li> </ul> |
| I                   | ADJUSTMENT FERRULE                                                                                                                                                                                                                                                                             |

## Technical Features

|                   |                      |
|-------------------|----------------------|
| FLOW RATE         | SEE TABLE UNDERLYING |
| INLET CONNECTION  | DN 25                |
| OUTLET CONNECTION | DN 40                |
| INLET PRESSURE    | 0.5 ÷ 5 BAR          |
| OUTLET PRESSURE   | 95 ÷ 450 MBAR        |



## Medium Pressure Regulator

|                          |                                                                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STANDARD OUTLET PRESSURE | ON REQUEST                                                                                                                                                                                                |
| WORKING TEMPERATURE      | - 20°C ÷ + 60°C                                                                                                                                                                                           |
| EXTERNAL SENSING LINE    | Ø 10                                                                                                                                                                                                      |
| MATERIALS                | <ul style="list-style-type: none"> <li>• BODY: CAST IRON GS 400</li> <li>• HEAD: DIE-CAST ALUMINUM</li> <li>• SEAL: NITRILE RUBBER NBR OR HNBR</li> <li>• MEMBRANE: RUBBERIZED SANDWICH FABRIC</li> </ul> |
| DIMENSIONS               | 180 X 180 X 76 MM                                                                                                                                                                                         |

| FLOW RATE TABLE M <sup>3</sup> /H | INLET PRESSURE       |                       |                       |
|-----------------------------------|----------------------|-----------------------|-----------------------|
|                                   | 0,5 BAR              | 1 BAR                 | 1,5 BAR               |
| 0,11 BAR                          | 93 M <sup>3</sup> /H | 133 M <sup>3</sup> /H | 207 M <sup>3</sup> /H |
| 0,15 BAR                          | 84 M <sup>3</sup> /H | 128 M <sup>3</sup> /H | 205 M <sup>3</sup> /H |
| 0,20 BAR                          | 70 M <sup>3</sup> /H | 121 M <sup>3</sup> /H | 202 M <sup>3</sup> /H |
| 0,30 BAR                          | -                    | 103 M <sup>3</sup> /H | 195 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                |
|-------------|---------------------------------------------------------------------|----------------------|
| 00000002438 | ALFA 30 MP SERIES REGULATOR - DN 25 - DN 20 CONNECTION              | €733.2 VAT EXCLUDED  |
| 00000002440 | ALFA 30 MP SERIES REGULATOR - DN 25 - DN 20 CONNECTION - WITH BLOCK | €1131.2 VAT EXCLUDED |



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