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HIGH PRESSURE REGULATOR

Alfa 20 AP series, direct action regulation

Product informations

Alfa 20 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 2432).

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



High Pressure Regulator

| <i>REGULATOR STRUCTURE</i> | |
|----------------------------|--|
| <i>A</i> | PLASTIC CAP + O-RING |
| <i>B</i> | COMPLETE HEADER |
| <i>C</i> | FULL LEVERAGE |
| <i>D</i> | COMPLETE BLOCK |
| <i>E</i> | SHUTTER SEAT + O-RING |
| <i>F</i> | BOTTOM PLATE + O-RING + SCREWS |
| <i>G</i> | MEMBRANE PROTECTIVE PLATE |
| <i>H</i> | <ul style="list-style-type: none"> • PURPLE SPRING Ø 3,5 (<i>SETTING 0,29 ÷ 0,44 BAR</i>) • WHITE SPRING Ø 4 (<i>SETTING 0,38 ÷ 0,6 BAR</i>) • GREEN SPRING Ø 4,5 (<i>SETTING 0,56 ÷ 0,88 BAR</i>) • BLACK SPRING Ø 5 (<i>SETTING 0,8 ÷ 1,3 BAR</i>) • GREY SPRING Ø 5,5 (<i>SETTING 1 ÷ 2,1 BAR</i>) |
| <i>I</i> | ADJUSTMENT FERRULE |

Technical Features

| | |
|---------------------------------|-----------------------------|
| <i>FLOW RATE</i> | <i>SEE TABLE UNDERLYING</i> |
| <i>INLET CONNECTION</i> | 1" |
| <i>OUTPUT CONNECTION</i> | 1" 1/2 |
| <i>INLET PRESSURE</i> | MAX 18 BAR |
| <i>OUTPUT PRESSURE</i> | 0,29 ÷ 2,1 BAR |
| <i>STANDARD OUTPUT PRESSURE</i> | ON REQUEST |
| <i>WORKING TEMPERATURE</i> | - 20°C ÷ + 60°C |



High Pressure Regulator

| | |
|-------------------|--|
| 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 130 X 50 MM |

FLOW RATE TABLE M³/H

INLET PRESSURE

| OUTLET PRESSURE | INLET PRESSURE | | | |
|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 3 BAR | 4 BAR | 5 BAR | 8 BAR |
| 0,35 BAR | 238 M ³ /H | 323 M ³ /H | 405 M ³ /H | 485 M ³ /H |
| 0,5 BAR | 235 M ³ /H | 322 M ³ /H | 404 M ³ /H | 485 M ³ /H |
| 0,7 BAR | 228 M ³ /H | 319 M ³ /H | 403 M ³ /H | 486 M ³ /H |
| 1 BAR | 213 M ³ /H | 313 M ³ /H | 401 M ³ /H | 485 M ³ /H |
| 1,5 BAR | 167 M ³ /H | 294 M ³ /H | 329 M ³ /H | 480 M ³ /H |
| 2 BAR | - | 260 M ³ /H | 374 M ³ /H | 470 M ³ /H |

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

| SKU | MODEL | PRICE |
|-------------|---|----------------------|
| 00000002430 | ALFA 20 AP SERIES REGULATOR - 1"X1" 1/2 CONNECTION | €578.55 VAT EXCLUDED |
| 00000002432 | ALFA 20 AP SERIES REGULATOR - 1"X1" 1/2 CONNECTION - WITH BLOCK | €997.5 VAT EXCLUDED |



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