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HIGH, MEDIUM AND LOW PRESSURE REGULATORS

Alfa 100 series, with balanced direct action regulation

Product informations

Alfa 100 series regulators balanced direct action, equipped with external sensing line, suitable for the use of not corrosive gases as methane and LPG. *Available complete with minimum and maximum pressure block valve downstream.*

Also available the minimum and maximum pressure shut-off valve (sku 2645).

Technical Features

| | |
|----------------------------|---|
| FLOW RATE | SEE TABLE UNDERLYING |
| INLET CONNECTION | DN 100 |
| OUTPUT CONNECTION | DN 100 |
| INLET PRESSURE | <ul style="list-style-type: none"> • BP MODELS 0.5 ÷ 5 BAR (SKU 2641 / 2647) • MP MODELS 0,5 ÷ 5 BAR (SKU 2642 / 2648) • AP MODELS MAX 18 BAR (SKU 2643 / 2649) |
| OUTPUT PRESSURE | <ul style="list-style-type: none"> • BP MODELS 16 ÷ 320 MBAR (SKU 2641 / 2647) • MP MODELS 0,2 ÷ 1 BAR (SKU 2642 / 2648) • AP MODELS 0,5 ÷ 4 BAR (SKU 2643 / 2649) |
| ACCURACY CLASS | RG UP TO 5 / SG ± 10% |
| WORKING TEMPERATURE | - 20°C ÷ + 60°C |



High, Medium and Low Pressure Regulators

| | |
|------------------------------|--|
| EXTERNAL SENSING LINE | Ø 14 |
| MATERIALS | <ul style="list-style-type: none"> • BODY: GS 400 CAST IRON (SKU 2641 / 2642 / 2643) • BODY: STEEL (SKU 2647 / 2648 / 2649) • HEADER: STEEL • SEAL: NITRILE RUBBER NBR OR HNBR • MEMBRANE: SANDWICH RUBBERIZED FABRIC |
| DIMENSIONS | 650 X 354 X 150 MM |

FLOW RATE TABLE M³/H LOW PRESSURE MODELS (BP)

| | INLET PRESSURE | | | |
|----------|------------------------|------------------------|------------------------|------------------------|
| | 0,2 BAR | 0,3 BAR | 0,5 BAR | 1 BAR |
| 25 MBAR | 1631 M ³ /H | 2046 M ³ /H | 2707 M ³ /H | 4014 M ³ /H |
| 50 MBAR | 1529 M ³ /H | 1974 M ³ /H | 2662 M ³ /H | 3995 M ³ /H |
| 100 MBAR | 1280 M ³ /H | 1807 M ³ /H | 2563 M ³ /H | 3952 M ³ /H |
| 150 MBAR | 927 M ³ /H | 1601 M ³ /H | 2447 M ³ /H | 3904 M ³ /H |
| 200 MBAR | - | 1337 M ³ /H | 2312 M ³ /H | 3848 M ³ /H |

FLOW RATE TABLE M³/H MEDIUM PRESSURE MODELS (MP)

| | INLET PRESSURE | | | |
|--|----------------|---------|---------|---------|
| | 0,3 BAR | 0,5 BAR | 0,1 BAR | 1,5 BAR |
| | | | | |



**FLOW RATE TABLE M³/H
MEDIUM PRESSURE MODELS (MP)**

INLET PRESSURE

0,3 BAR 0,5 BAR 0,1 BAR 1,5 BAR

| OUTLET PRESSURE | INLET PRESSURE | | | |
|-----------------|------------------------|------------------------|------------------------|------------------------|
| | 0,3 BAR | 0,5 BAR | 0,1 BAR | 1,5 BAR |
| 0,2 BAR | 1337 M ³ /H | 2312 M ³ /H | 3848 M ³ /H | 5073 M ³ /H |
| 0,3 BAR | - | 1965 M ³ /H | 3716 M ³ /H | 5004 M ³ /H |
| 0,5 BAR | - | - | 3343 M ³ /H | 4811 M ³ /H |
| 0,7 BAR | - | - | 2751 M ³ /H | 4526 M ³ /H |
| 1 BAR | - | - | - | 3853 M ³ /H |

**FLOW RATE TABLE M³/H
HIGH PRESSURE MODELS (HP)**

INLET PRESSURE

2 BAR 3 BAR 4 BAR 5 BAR

| OUTLET PRESSURE | INLET PRESSURE | | | |
|-----------------|------------------------|------------------------|-------------------------|-------------------------|
| | 2 BAR | 3 BAR | 4 BAR | 5 BAR |
| 0,8 BAR | 6049 M ³ /H | 8291 M ³ /H | 8482 M ³ /H | 8482 M ³ /H |
| 1 BAR | 5498 M ³ /H | 8065 M ³ /H | 10329 M ³ /H | 11309 M ³ /H |
| 1,5 BAR | 4307 M ³ /H | 7573 M ³ /H | 10081 M ³ /H | 12361 M ³ /H |
| 2 BAR | - | 6686 M ³ /H | 9622 M ³ /H | 12098 M ³ /H |
| 3 BAR | - | - | 7707 M ³ /H | 10996 M ³ /H |



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

| SKU | MODEL | PRICE |
|-------------|---|--------------------------|
| 00000002641 | REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 16 ÷ 320 MBAR - BODY IN GS400 | €9291.0 VAT EXCLUDED |
| 00000002642 | REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 0,2 ÷ 1 BAR - BODY IN GS400 | €9481.0 VAT EXCLUDED |
| 00000002643 | REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 0,5 ÷ 4 BAR - BODY IN GS400 | €9481.0 VAT EXCLUDED |
| 00000002645 | MINIMUM AND MAXIMUM PRESSURE SHUT-OFF VALVE | €1311.0 VAT EXCLUDED |
| 00000002647 | REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 16 ÷ 320 MBAR - STEEL BODY | €10336.0 VAT EXCLUDED |
| 00000002648 | REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 0,2 ÷ 1 BAR - STEEL BODY | €10545.0 VAT EXCLUDED |
| 00000002649 | REGULATOR SERIES ALFA 100 BP - DN 100 CONNECTIONS - OUTPUT 0,5 ÷ 4 BAR - STEEL BODY | €10754.0 VAT EXCLUDED |

