**Preparation of compressed air → Maintenance units and components**

# Pressure regulator, Series NL4-RGS

**► G 3/8 - G 3/4 ► Qn = 5600 l/min ► ATEX certified**

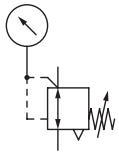


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| | |
|---|---|
| ATEX | II 2G2D X |
| Regulator type | Diaphragm-type pressure regulator, Can be assembled into blocks |
| Function | with relieving air exhaust |
| Installation location | arbitrary |
| Pressure supply | single |
| Ambient temperature min./max. | -10°C / +60°C |
| Medium temperature min./max. | -10°C / +60°C |
| Working pressure min./max. | See table below |
| Adjustment range min./max. | See table below |
| Medium | Compressed air |
| Materials: | |
| Housing | Die cast zinc |
| Cover | Acrylonitrile butadiene styrene |
| Seal | Acrylonitrile Butadiene Rubber |

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Recommended pre-filtering: 5 $\mu$m

| | | Port | Qn | Working pressure min./max. | Adjustment range min. - max.. | Weight | Part No. |
|---|---|---|---|---|---|---|---|
| | | | [l/min] | [bar] | [bar] | [kg] | |
|  |  | G 3/8 | | 0.5 / 16 | 0.1 - 3 | | **0821302530** |
| | | G 3/8 | | 0.5 / 16 | 0.2 - 6 | | **0821302531** |
| | | G 3/8 | | 0.5 / 16 | 0.5 - 10 | | **0821302520** |
| | | G 1/2 | 5600 | 0.5 / 10 | 0.1 - 3 | 0.935 | **0821302505** |
| | | G 1/2 | | 0.5 / 16 | 0.2 - 6 | | **0821302580** |
| | | G 1/2 | | 0.5 / 16 | 0.5 - 10 | | **0821302500** |
| | | G 3/4 | | 0.5 / 16 | 0.1 - 3 | | **0821302544** |
| | | G 3/4 | | 0.5 / 16 | 0.2 - 6 | | **0821302545** |
| | | G 3/4 | | 0.5 / 16 | 0.5 - 10 | | **0821302540** |
|  | - | G 3/8 | | 0.5 / 16 | 0.1 - 3 | | 0821302532 |
| | | G 3/8 | | 0.5 / 16 | 0.2 - 6 | | 0821302533 |
| | | G 3/8 | | 0.5 / 16 | 0.5 - 10 | | **0821302521** |
| | | G 1/2 | | 0.5 / 10 | 0.1 - 3 | | **0821302504** |
| | | G 1/2 | 5600 | 0.5 / 10 | 0.2 - 6 | 0.85 | **0821302506** |
| | | G 1/2 | | 0.5 / 16 | 0.5 - 10 | | **0821302501** |
| | | G 3/4 | | 0.5 / 16 | 0.1 - 3 | | 0821302546 |
| | | G 3/4 | | 0.5 / 16 | 0.2 - 6 | | 0821302547 |
| | | G 3/4 | | 0.5 / 16 | 0.5 - 10 | | **0821302541** |

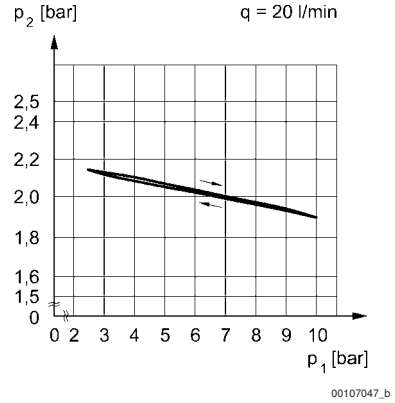
nominal flow Qn with secondary pressure 6 bar at Δp = 1 bar

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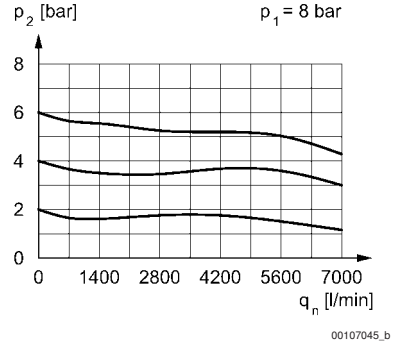
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## Pressure characteristics curve



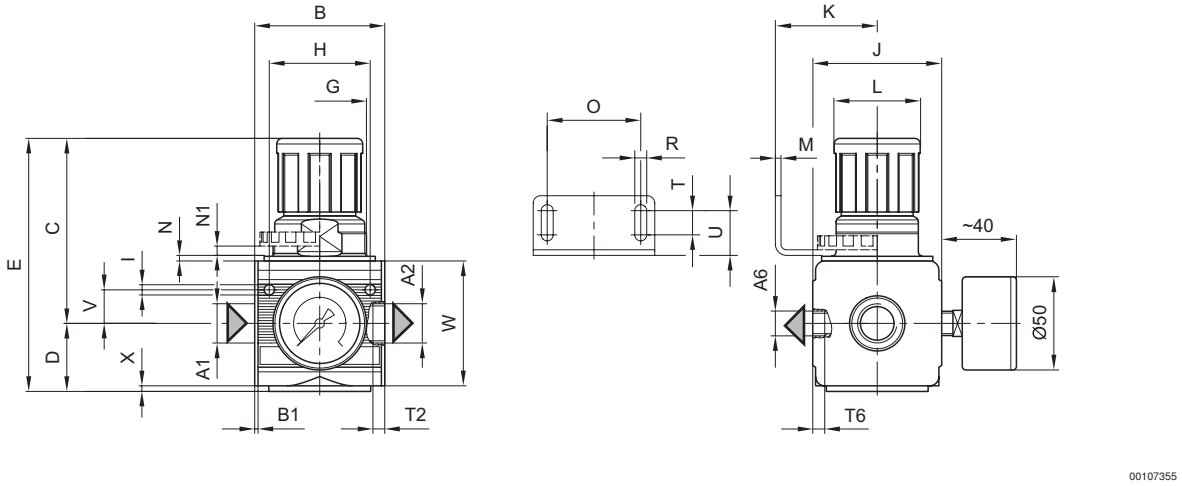

p1 = working pressure; p2 = secondary pressure; q = flow rate

## Flow rate characteristic (setting range p2: 0.5 - 10 bar)




p1 = working pressure; p2 = secondary pressure; qn = nominal flow

## Dimensions



## Pressure regulator, Series NL4-RGS

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| A1 | A2 | A6 | B | B1 | C | D | E | G | H | I | J | K | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | G 3/8 | G 1/4 | 69.5 | 1.8 | 97 | 35.5 | 132.5 | M50x1,5 | 54 | 5.5 | 69 | 54.5 | 46 |
| G 1/2 | G 1/2 | G 1/4 | 69.5 | 1.8 | 97 | 35.5 | 132.5 | M50x1,5 | 54 | 5.5 | 69 | 54.5 | 46 |
| G 3/4 | G 3/4 | G 1/4 | 69.5 | 1.8 | 97 | 35.5 | 132.5 | M50x1,5 | 54 | 5.5 | 69 | 54.5 | 46 |

| A1 | M | N | N1 | O | R | S | T | T2 | T6 | U | V | W | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 3 | 3 | 5.5 | 50 | 6.4 | 10 | 13 | 13 | 10 | 24 | 18 | 67 | 2 |
| G 1/2 | 3 | 3 | 5.5 | 50 | 6.4 | 10 | 13 | 13 | 10 | 24 | 18 | 67 | 2 |
| G 3/4 | 3 | 3 | 5.5 | 50 | 6.4 | 10 | 13 | 13 | 10 | 24 | 18 | 67 | 2 |