# Low Pressure Regulator with Factory-Set Outlet Pressure / Volume Booster R01



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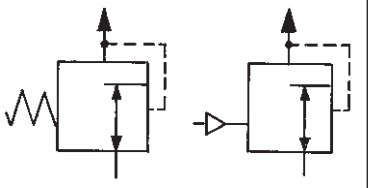
|---|---|
| **Description** | Low pressure regulator with factory-set outlet pressure 50 mbar. The regulator is non-relieving. Volume booster function possible, except on R01-415. |
| **Booster function** | The spring must be removed. The pilot port is the aspirator opening G⅛ on the spring cage. The ratio is 1:1 and the maximum pilot pressure 200 mbar. |
| **Pressure accuracy** | With max. supply pressure and flow the outlet pressure fluctuates by < 15% FS, without flow < 25% FS. With minimum supply pressure the outlet pressure fluctuates by < 5%. |
| **Safety valve** | integrated. Not for gas pressure regulation in closed rooms. |
| **Media** | Compressed air, propane and butane |
| **Gauge port** | G¼ on one side of the body, except on R01-415 and R01-319 |
| **Materials** | Body: zinc die-casting Inner valve: brass Elastomer: NBR |



**50 mbar / 0 to 200 mbar**

## Low pressure regulator / booster

| Dimensions H mm | B mm | T mm | Connection thread G | Flow rate l/min | Supply pressure max. bar | Outlet pressure factory-set mbar | Outlet pressure as booster mbar* | Order number |
|---|---|---|---|---|---|---|---|---|
| | | | | | as regulator 50 mbar factory-set as booster 0 to 200 mbar | | | R01 |
| 44 | 100 | 86 | G ¼ | 20 | 16 | 50 | 50 | **R01 - 415** |
| 92 | 138 | 118 | G ½ | 50 | 2.5 | 50 | 0…200 | **R01 - 604** |
| 92 | 138 | 118 | G ½ | 80 | 2.5 | 50 | 0…200 | **R01 - 407** |
| 117 | 138 | 118 | G ½ | 160 | 2.5 | 50 | 0…200 | **R01 - 641** |
| 133 | 160 | 145 | G ½ | 330 | 2.5 | 50 | 0…200 | **R01 - 319** |
| 92 | 138 | 118 | G ½ | 50 | 10 | 50 | 0…200 | **R01 - 405** |
| 92 | 138 | 118 | G ½ | 80 | 10 | 50 | 0…200 | **R01 - 406** |
| 117 | 138 | 118 | G ½ | 160 | 10 | 50 | 0…200 | **R01 - 310** |

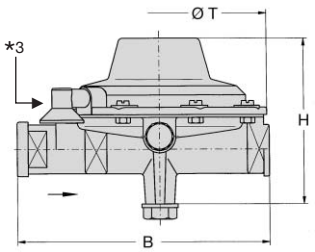
**R01 - 415**

**R01 - 319**

**R01 - 310**

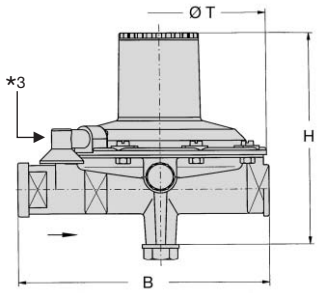
## Special options add the appropriate letter

| | | | | |
|---|---|---|---|---|
| **gauge** | G ¼, Ø 63, horiz. connection, | not on R01-3/415 | **G** | R01 - . . . **G** |
| **RVS connection** | RVS 12: **R2** | RVS15: | **R5** | R01 - . . . **R5** |

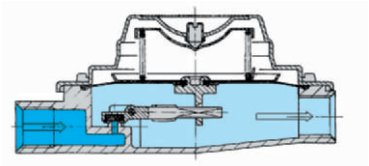



**R01-405 / -406 / -604**

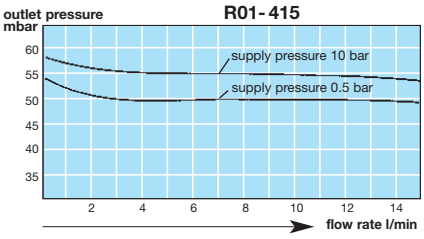
*3 connection used as:
a) aspirator filter for regulator
b) pilot connection for volume booster

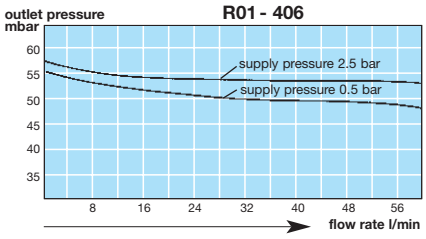


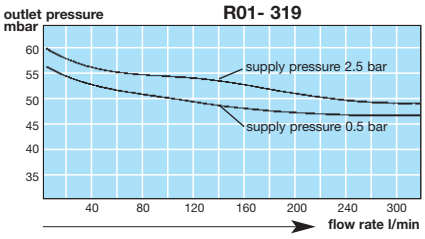

**R01-310 / -641**



**R01 - 415**




* spring to be removed

| | | | | | |
|---|---|---|---|---|---|
| **For your information:** | 1 l/min: 0.07 kg/h<br>1 kg/h: 13.7 l/min | 1 bar: 14.5 psi<br>1 psi: 0.069 bar | 1 l/min: 0.035 scfm<br>1 scfm: 28.3 l/min | 1 mm: 0.039 inch<br>1 inch: 25.4 mm | other low pressure regulators on request |

**Order example:**
**R01 - 405**