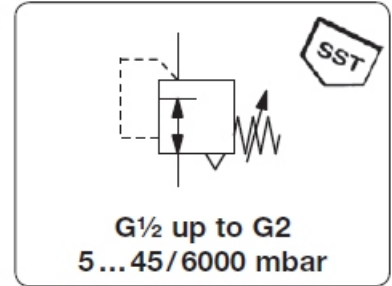


R3100 - Régulateur Basse Pression en Acier Inoxydable, G1/2" à G2", 5 à 3 000 mbar

R 3100 - Low Pressure Regulator made of Stainless Steel Throughout

| | | | |
|---------------------------|---|--------------|--|
| Description | Precision low pressure regulator with large diaphragm, completely made of stainless steel. | | |
| Media | compressed air or gases | | |
| Supply pressure | max. 6 bar | | |
| Air consumption | without constant bleed | | |
| Adjustment | by adjusting screw at R3100-04, with locknut by T-handle at R3100-08 to -16, with locknut | | |
| Relieving function | non-relieving | | |
| Gauge port | G¼ on both sides of the body, one screw plug supplied | | |
| Mounting position | any | | |
| Temperature range | 0 °C to 60 °C / 32 °F to 140 °F, for appropriately conditioned compr. air down to -20 °C / - 4 °F | | |
| Material | Body: stainless steel 316L, material no. 1.4404 | O-rings: FKM | Inner valve: stainless steel 316L / 1.4404 |
| | Diaphragm: NBR/Buna-N with PTFE coating | | |



| Dimensions | | | K _v -value (m³/h) | Flow rate | | Connection thread G | Pressure range mbar | Order number |
|------------|---|---|---------------------------------|-----------|---------|------------------------|------------------------|--------------|
| A | B | C | | m³/h*1 | l/min*1 | | | |

Low pressure regulator R3100

made of stainless steel, supply pressure max. 6 bar, non-relieving, PTFE diaphragm and FKM o-ring

| | | | | | | | | |
|-----|-----|-----|-----|-----|------|------|--|--|
| 80 | 177 | 37 | 0.4 | 36 | 600 | G½*3 | 5 ... 45 20 ... 200 150 ... 700 | R3100-04A R3100-04C R3100-04D |
| 126 | 311 | 66 | 1.8 | 180 | 3000 | G1 | 20 ... 50 50 ... 100 100 ... 700 700 ... 6000 | R3100-08A R3100-08B R3100-08D R3100-08G |
| 121 | 422 | 128 | 5.7 | 480 | 8000 | G1½ | 20 ... 50 50 ... 150 150 ... 300 300 ... 3000 | R3100-12A R3100-12B R3100-12D R3100-12G |
| 171 | 422 | 128 | 5.7 | 480 | 8000 | G2 | 20 ... 50 50 ... 150 150 ... 300 300 ... 3000 | R3100-16A R3100-16B R3100-16D R3100-16G |

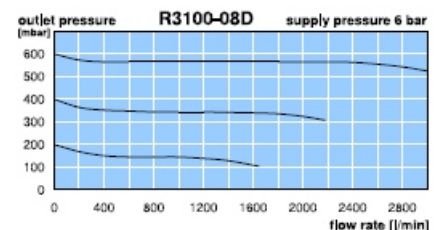
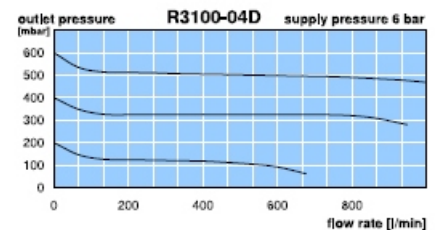
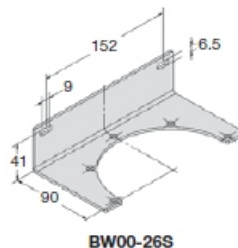
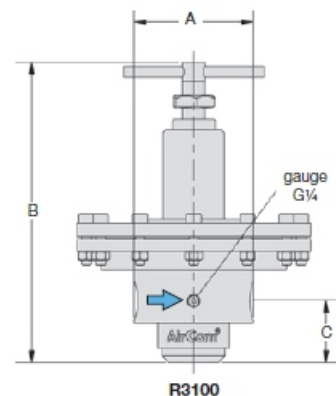


Special options, add the appropriate letter or number

| | | | | | |
|--------------------------|----------------------|----------------------------------|-----------------------------------|--|--------------|
| NPT | | | connection thread | | R3100-... N |
| nitrogen | N ₂ : 07 | | ammonia NH ₃ : 02 | carbon dioxide CO ₂ : | R3100-... 03 |
| argon | Ar: 05 | | helium He: 09 | hydrogen H ₂ : | R3100-... 11 |
| methane | CH ₄ : 13 | | oxygen O ₂ : 15 | propane C ₃ H ₈ : | R3100-... 16 |
| | | | | nitrous oxide N ₂ O: | R3100-... 17 |
| flange connection | | see end of the chapter / flanges | | | R3100-... F. |

Accessories, enclosed

| | | | |
|-------------------------------|--|----------------|----------------------|
| pressure gauge | Ø 63 mm, 0...*2 mbar, G¼, capsule type | up to 600 mbar | MS6302-... *2 |
| connection parts gauge | Ø 63 mm, 0...*2 bar, G¼, Bourdon tube | from 1 bar on | MS6302-... *2 |
| mounting bracket | | for G½ | AM-03S |
| | | for G½ | BW00-26S |



*1 at 6 bar supply pressure and 1 bar pressure drop

*3 G¾ thread at outlet

*2 B6 = 0...60 mbar, C3 = 0...250 mbar, C4 = 0...400 mbar, C6 = 0...600 mbar, 02 = 0...2 bar, 04 = 0...4 bar, 06 = 0...6 bar



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