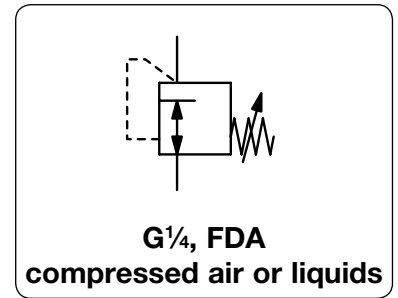


MINIATURE PRESSURE REGULATOR W. FDA APPROVAL, FOR DRINKING WATER OR DEIONIZED WATER R91

| | | |
|---------------------------|---|--|
| Description | Diaphragm miniature pressure regulator of small and lightweight design. All fluid-contact parts of R91-..K are approved by the FDA. | |
| Application area | food industry and water circulation, e.g. for dialysis devices | |
| Media | compressed air, non-corrosive gases, deionized water or other liquids. | |
| Supply pressure | max. 10 bar | Adjustment by plastic knob with snap-lock |
| Relieving function | non-relieving for drinking water (FDA), relieving for compressed air | Mounting position any |
| Gauge port | G $\frac{1}{8}$ on both sides of the body | |
| Temperature range | 0 °C to 60 °C / 32 °F to 140 °F | |
| Material for | drinking water | compressed air |
| | Body: acetal | acetal |
| | Elastomer: acetal and nylon-reinforced nitrile | acetal and nylon-reinforced nitrile |
| | NBR/Buna-N | not FDA-approved |
| | Valve and o-ring: stainless steel and EPDM, FDA-approved | brass, nitrile and NBR/Buna-N |



| Dimensions | | | Flow rate | | Connection thread | Pressure range | Order number |
|------------|----|----|-----------|---------|-------------------|----------------|--------------|
| A | B | C | water | air | | | |
| mm | mm | mm | l/min*1 | l/min*1 | G | bar | |

| Press. regulator w. FDA approval for drinking water | | | | | | P _i : max. 10 bar, EPDM non-relieving | R91-K |
|---|----|----|---|-----|-----------------|--|----------|
| 42 | 76 | 11 | 6 | 380 | G $\frac{1}{4}$ | 0.1...3.5 | R91-02BK |
| | | | | | | 0.1...8.5 | R91-02CK |

| Press. regulator for compressed air | | | | | | P _i : max. 10 bar, NBR/Buna-N relieving | R91 |
|-------------------------------------|----|----|--|-----|-----------------|--|---------|
| 42 | 76 | 11 | | 380 | G $\frac{1}{4}$ | 0.1...3.5 | R91-02B |
| | | | | | | 0.1...8.5 | R91-02C |



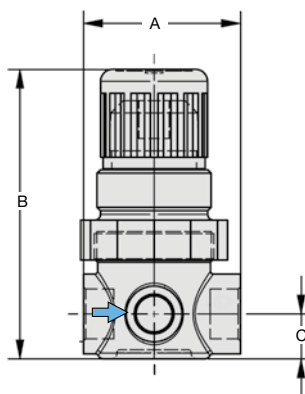
R91

Special options, add the appropriate letter

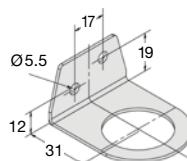
| | | |
|-----|-------------------|------------|
| NPT | connection thread | R91-02 . N |
|-----|-------------------|------------|

Accessories, enclosed

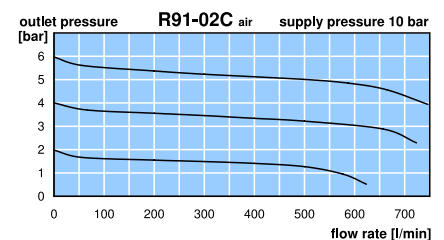
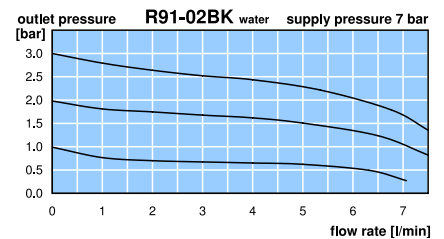
| | | | |
|------------------|--------------------------|------------|-----------|
| pressure gauge | Ø 40 mm, G $\frac{1}{8}$ | 0... 4 bar | MA4001-04 |
| | | 0...10 bar | MA5002-10 |
| mounting bracket | made of steel | | BW30-02 |
| mounting nut | made of plastic | | M30x1,5K |
| | made of aluminium | | M30x1,5A |



R91



BW30-02



*1 supply pressure 1 bar above outlet pressure

