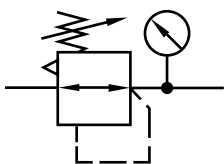


# Pressure regulator 90-RC

## Technical details

|                   |                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------|
| Temperature range | -10°C ... +60°C                                                                                 |
| Input range       | max. 16 bar                                                                                     |
| Mounting          | arbitrary                                                                                       |
| Medium            | compressed air according to ISO 8573-1:2010, neutral gases                                      |
| Materials         | Body: zinc diecasting, seals: NBR,<br>inner parts: zinc coated steel, stainless steel and brass |

Pressure regulator with diaphragm and relieving feature.  
2 mounting brackets are included.



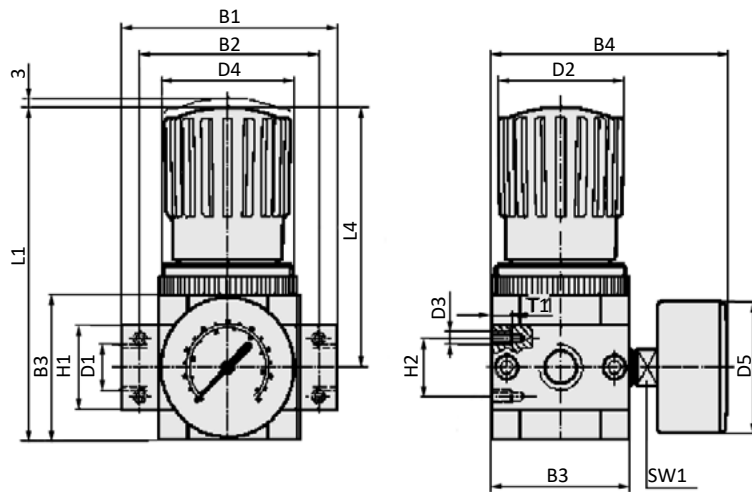
## Order code

| 90-RC-**-**-**    |  |                       |                                                |
|-------------------|--|-----------------------|------------------------------------------------|
| Series            |  | Versions              |                                                |
| Connection / Size |  | Gauge, flow direction |                                                |
| 18 G1/8 / 01      |  | 00                    | without gauge, flow from left to right         |
| 14 G1/4 / 01      |  | 01                    | without gauge, flow from right to left         |
| 37 G3/8 / 01      |  | 02                    | with gauge, flow from left to right (standard) |
| 38 G3/8 / 02      |  | 03                    | with gauge, flow from right to left            |
| 12 G1/2 / 02      |  |                       |                                                |
| 33 G3/4 / 02      |  |                       |                                                |
| 34 G3/4 / 03      |  |                       |                                                |
| 10 G1 / 03        |  |                       |                                                |
| Output range      |  |                       |                                                |
| 07 0,5 ... 7 bar  |  |                       |                                                |
| 12 0,5 ... 12 bar |  |                       |                                                |

## Pressure regulator 90-RC



## Dimensions



| 90-RC-** | B1  | B2 | B3 | B4  | D1   | ØD2 | D3 | D4        |
|----------|-----|----|----|-----|------|-----|----|-----------|
| 18       | 64  | 52 | 40 | 76  | G1/8 | 31  | M4 | M36 x 1.5 |
| 14       | 64  | 52 | 40 | 76  | G1/4 | 31  | M4 | M36 x 1.5 |
| 37       | 70  | 52 | 40 | 76  | G3/8 | 31  | M4 | M36 x 1.5 |
| 38       | 85  | 70 | 55 | 95  | G3/8 | 50  | M5 | M52 x 1.5 |
| 12       | 85  | 70 | 55 | 95  | G1/2 | 50  | M5 | M52 x 1.5 |
| 33       | 85  | 70 | 55 | 95  | G3/4 | 50  | M5 | M52 x 1.5 |
| 34       | 96  | 80 | 66 | 107 | G3/4 | 52  | M5 | M52 x 1.5 |
| 10       | 116 | 91 | 66 | 107 | G1   | 52  | M5 | M52 x 1.5 |

| 90-RC-** | ØD5 | H1 | H2 | L1  | L4  | T1 | SW1 |
|----------|-----|----|----|-----|-----|----|-----|
| 18       | 41  | 20 | 11 | 193 | 69  | 7  | 14  |
| 14       | 41  | 20 | 11 | 193 | 69  | 7  | 14  |
| 37       | 41  | 29 | 11 | 193 | 69  | 7  | 14  |
| 38       | 50  | 32 | 22 | 250 | 99  | 8  | 14  |
| 12       | 50  | 32 | 22 | 250 | 99  | 8  | 14  |
| 33       | 50  | 32 | 22 | 250 | 99  | 8  | 14  |
| 34       | 50  | 32 | 22 | 252 | 102 | 8  | 14  |
| 10       | 50  | 40 | 22 | 252 | 102 | 8  | 14  |

## Technical details

|                   |                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------|
| Temperature range | -20°C ... +60°C                                                                                             |
| Accuracy class    | 2.5 according to EN 837-1                                                                                   |
| Application       | Constant load: 3/4 x scale value<br>Alternating load: 2/3 x scale value                                     |
| Materials         | Body: steel or ABS, black<br>Window: clear<br>Dial: white with stop pin<br>Scale black (bar) and blue (psi) |
| Temperature drift | ± 0.4% / 10 K if deviation from normal temperature (+ 20°C)                                                 |



Bourdon tube pressure gauge (EN 837-1), pressure connection rear.



## Order code

| Series   |              | Connection |     |
|----------|--------------|------------|-----|
|          |              | 18         | 1/8 |
|          |              | 14         | 1/4 |
| Diameter |              |            |     |
| 40       | 40 mm        |            |     |
| 50       | 50 mm        |            |     |
| 63       | 63 mm        |            |     |
| Range    |              |            |     |
| 06       | 0 ... 6 bar  |            |     |
| 10       | 0 ... 10 bar |            |     |
| 16       | 0 ... 16 bar |            |     |

## Technical data

| Model-no.:          | MXA-50-06-14 |              | MXA-50-10-14 |              | MXA-50-16-14   |              |
|---------------------|--------------|--------------|--------------|--------------|----------------|--------------|
| Connection          | G1/4         |              | R1/4         |              | R1/4           |              |
| Standard for series | -            |              | -            |              | X1. X2. Y1. Y2 |              |
| Range               | 0 ... 6 bar  |              | 0 ... 10 bar |              | 0 ... 16 bar   |              |
| Weight (kg)         | 0.071        |              | 0.071        |              | 0.071          |              |
| Model-no.:          | MXA-40-06-18 | MXA-40-10-18 | MXA-40-16-18 | MXA-63-06-14 | MXA-63-10-14   | MXA-63-16-14 |
| Connection          | G1/8         | R1/8         | R1/8         | G1/4         | G1/4           | G1/4         |
| Standard for series | -            | -            | K. RD        | -            | -              | Y3           |
| Range               | 0 ... 6 bar  | 0 ... 10 bar | 0 ... 16 bar | 0 ... 6 bar  | 0 ... 10 bar   | 0 ... 16 bar |
| Weight (kg)         | 0.071        | 0.071        | 0.071        | 0.080        | 0.080          | 0.080        |