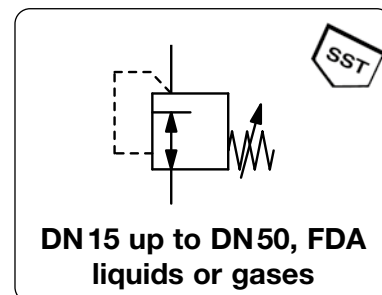


|                           |                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Diaphragm-operated pressure regulator made of stainless steel throughout. Even when spindle is unscrewed the indicated minimum outlet pressure is existent.                                                                                                                                                                              |
| <b>Media</b>              | compressed air, neutral gases or liquids                                                                                                                                                                                                                                                                                                 |
| <b>Supply pressure</b>    | see chart, max. 25 bar                                                                                                                                                                                                                                                                                                                   |
| <b>Adjustment</b>         | by T-handle, with locknut                                                                                                                                                                                                                                                                                                                |
| <b>Relieving function</b> | non-relieving                                                                                                                                                                                                                                                                                                                            |
| <b>Gauge port</b>         | G $\frac{1}{4}$ on both sides of the body, one screw plug supplied                                                                                                                                                                                                                                                                       |
| <b>Mounting position</b>  | any                                                                                                                                                                                                                                                                                                                                      |
| <b>Temperature range</b>  | 0 °C to 120 °C / 32 °F to 248 °F for FKM, for appropriately conditioned compr. air down to -30 °C / -22 °F<br>0 °C to 130 °C / 32 °F to 266 °F for EPDM, for appropriately conditioned compr. air down to -30 °C / -22 °F<br>0 °C to 150 °C / 32 °F to 302 °F for PTFE, for appropriately conditioned compr. air down to -30 °C / -22 °F |
| <b>Material</b>           | Body: stainless steel 316L, mat. no. 1.4408<br>Diaphragm: FKM, optionally EPDM or PTFE                                                                                                                                                                                                                                                   |



| Dimensions |    |    | K <sub>v</sub> -value | Flow rate |         | Supply pressure | Connection | Pressure range | Order number |
|------------|----|----|-----------------------|-----------|---------|-----------------|------------|----------------|--------------|
| A          | B  | C  |                       | air       | water   | max. bar        | flange     | bar            |              |
| mm         | mm | mm | (m <sup>3</sup> /h)   | l/min*1   | l/min*1 |                 | DN         |                |              |

| Pressure regulator with flange |     |     |     |      |     |    | for liquids, P <sub>1</sub> : max. 8/25 bar,<br>non-relieving, FKM, PN40 |           | REF     |
|--------------------------------|-----|-----|-----|------|-----|----|--------------------------------------------------------------------------|-----------|---------|
| 210                            | 255 | 95  | 4.0 | 4200 | 66  | 8  | DN 15                                                                    | 0.2...3.0 | REF-04B |
|                                |     |     |     |      |     | 25 |                                                                          | 2.0... 10 | REF-04D |
|                                |     |     |     |      |     | 25 |                                                                          | 6.0... 16 | REF-04E |
| 220                            | 260 | 105 | 4.0 | 4200 | 66  | 8  | DN 20                                                                    | 0.2...3.0 | REF-06B |
|                                |     |     |     |      |     | 25 |                                                                          | 2.0... 10 | REF-06D |
|                                |     |     |     |      |     | 25 |                                                                          | 6.0... 16 | REF-06E |
| 220                            | 265 | 115 | 4.0 | 4200 | 66  | 8  | DN 25                                                                    | 0.2...3.0 | REF-08B |
|                                |     |     |     |      |     | 25 |                                                                          | 2.0... 10 | REF-08D |
|                                |     |     |     |      |     | 25 |                                                                          | 6.0... 16 | REF-08E |
| 220                            | 273 | 115 | 7.5 | 8000 | 125 | 8  | DN 25                                                                    | 0.2...3.0 | REF-A8B |
|                                |     |     |     |      |     | 25 |                                                                          | 2.0... 10 | REF-A8D |
|                                |     |     |     |      |     | 25 |                                                                          | 6.0... 16 | REF-A8E |
| 280                            | 290 | 150 | 7.5 | 8000 | 125 | 8  | DN 40                                                                    | 0.2...3.0 | REF-12B |
|                                |     |     |     |      |     | 25 |                                                                          | 2.0... 10 | REF-12D |
|                                |     |     |     |      |     | 25 |                                                                          | 6.0... 16 | REF-12E |
| 320                            | 298 | 165 | 7.5 | 8000 | 125 | 8  | DN 50                                                                    | 0.2...3.0 | REF-16B |
|                                |     |     |     |      |     | 25 |                                                                          | 2.0... 10 | REF-16D |
|                                |     |     |     |      |     | 25 |                                                                          | 6.0... 16 | REF-16E |

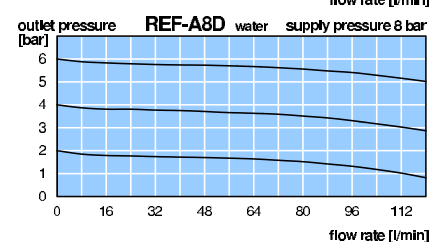
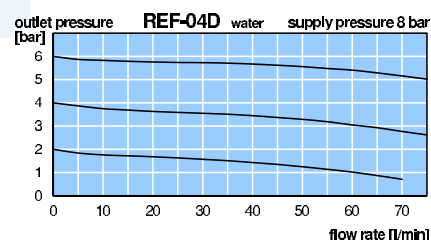
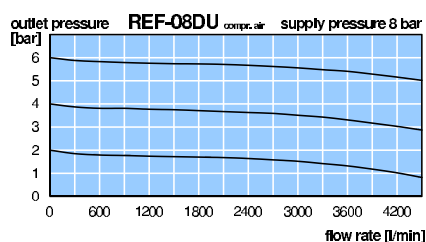
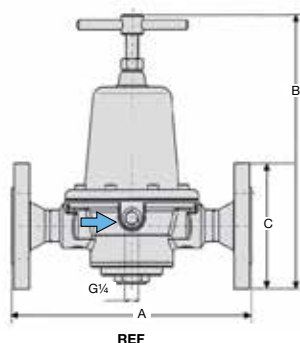


## Special Options, add the appropriate letter

|                               |                                                           |                |
|-------------------------------|-----------------------------------------------------------|----------------|
| <b>gaseous media</b>          | non-relieving, height +43 mm                              | RE . . . . U   |
| <b>EPDM diaphragm</b>         | FDA approved                                              | RE . . . . E   |
| <b>PTFE diaphragm</b>         | FKM with PTFE coating and FKM o-ring                      | RE . . . . I   |
| <b>free of oil and grease</b> | suitable for oxygen                                       | RE . . . . L   |
| <b>flange connection</b>      | DN 8 to DN 25, instead of thread, according to DIN11850-2 | REA . . . . A1 |
|                               | DN 8 to DN 25, instead of thread, according to DIN3239    | REA . . . . A2 |
|                               | DN 8 to DN 25, instead of thread, according to ISO4200    | REA . . . . A3 |
| <b>milk pipe connection</b>   |                                                           | REA . . . . M. |
| <b>tri-clamp</b>              |                                                           | REA . . . . T. |

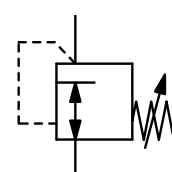
## Accessories, enclosed

|                       |                                                  |                         |                                |
|-----------------------|--------------------------------------------------|-------------------------|--------------------------------|
| <b>pressure gauge</b> | Ø 50 mm, 0... <sup>*2</sup> bar, G $\frac{1}{4}$ | for DN 8 to DN 15 (04)  | <b>MS5002-...<sup>*2</sup></b> |
|                       | Ø 63 mm, 0... <sup>*2</sup> bar, G $\frac{1}{4}$ | for DN 15 (A4) to DN 50 | <b>MS6302-...<sup>*2</sup></b> |



\*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop  
\*2 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar

|                           |                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Diaphragm-operated pressure regulator made of stainless steel throughout. Even when spindle is unscrewed the indicated minimum outlet pressure is existent.                                                                                                                                                                              |
| <b>Media</b>              | compressed air, gases or liquids                                                                                                                                                                                                                                                                                                         |
| <b>Supply pressure</b>    | see chart, max. 25 bar                                                                                                                                                                                                                                                                                                                   |
| <b>Adjustment</b>         | by T-handle, with locknut                                                                                                                                                                                                                                                                                                                |
| <b>Relieving function</b> | non-relieving                                                                                                                                                                                                                                                                                                                            |
| <b>Gauge port</b>         | G $\frac{1}{4}$ on both sides of the body, one screw plug supplied                                                                                                                                                                                                                                                                       |
| <b>Mounting position</b>  | any                                                                                                                                                                                                                                                                                                                                      |
| <b>Temperature range</b>  | 0 °C to 120 °C / 32 °F to 248 °F for FKM, for appropriately conditioned compr. air down to -30 °C / -22 °F<br>0 °C to 130 °C / 32 °F to 302 °F for EPDM, for appropriately conditioned compr. air down to -30 °C / -22 °F<br>0 °C to 150 °C / 32 °F to 302 °F for PTFE, for appropriately conditioned compr. air down to -30 °C / -22 °F |
| <b>Material</b>           | Body: stainless steel 316L, mat. no. 1.4408<br>Diaphragm: FKM, optionally EPDM or PTFE                                                                                                                                                                                                                                                   |



**G $\frac{1}{4}$  up to G2, FDA  
liquids or gases**

| Dimensions |    |    | K <sub>v</sub> -value | Flow rate | Supply pressure | Nom. size | Connection thread | Pressure range | Order number |
|------------|----|----|-----------------------|-----------|-----------------|-----------|-------------------|----------------|--------------|
| A          | B  | C  |                       | air       | water           |           |                   |                |              |
| mm         | mm | mm | (m <sup>3</sup> /h)   | l/min*1   | l/min*1         | DN        | G                 | bar            |              |

| Regulator made of Special Steel Casting |     |    |     |      |     |    |       |                  |             | for liquids, P <sub>1</sub> : max. 8/25 bar, non-relieving, FKM | REA     |
|-----------------------------------------|-----|----|-----|------|-----|----|-------|------------------|-------------|-----------------------------------------------------------------|---------|
| 92                                      | 190 | 42 | 1.0 | 1100 | 17  | 8  | DN 8  | G $\frac{1}{4}$  | 0.2 ... 3.0 |                                                                 | REA-02B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-02D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-02E |
|                                         |     |    |     |      |     | 8  | DN 10 | G $\frac{3}{8}$  | 0.2 ... 3.0 |                                                                 | REA-03B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-03D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-03E |
|                                         |     |    |     |      |     | 8  | DN 15 | G $\frac{1}{2}$  | 0.2 ... 3.0 |                                                                 | REA-04B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-04D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-04E |
| 122                                     | 240 | 49 | 4.0 | 4200 | 66  | 8  | DN 15 | G $\frac{1}{2}$  | 0.2 ... 3.0 |                                                                 | REA-A4B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-A4D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-A4E |
|                                         |     |    |     |      |     | 8  | DN 20 | G $\frac{3}{4}$  | 0.2 ... 3.0 |                                                                 | REA-06B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-06D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-06E |
|                                         |     |    |     |      |     | 8  | DN 25 | G1               | 0.2 ... 3.0 |                                                                 | REA-08B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-08D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-08E |
| 150                                     | 250 | 53 | 7.5 | 8000 | 125 | 8  | DN 25 | G1               | 0.2 ... 3.0 |                                                                 | REA-A8B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-A8D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-A8E |
| 222                                     | 250 | 53 | 7.5 | 8000 | 125 | 8  | DN 32 | G1 $\frac{1}{4}$ | 0.2 ... 3.0 |                                                                 | REA-10B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-10D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-10E |
| 222                                     | 250 | 53 | 7.5 | 8000 | 125 | 8  | DN 40 | G1 $\frac{1}{2}$ | 0.2 ... 3.0 |                                                                 | REA-12B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-12D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-12E |
| 235                                     | 250 | 53 | 7.5 | 8000 | 125 | 8  | DN 50 | G2               | 0.2 ... 3.0 |                                                                 | REA-16B |
|                                         |     |    |     |      |     | 25 |       |                  | 2.0 ... 10  |                                                                 | REA-16D |
|                                         |     |    |     |      |     | 25 |       |                  | 6.0 ... 16  |                                                                 | REA-16E |



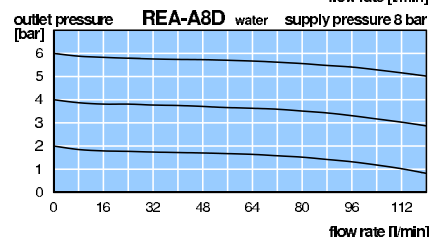
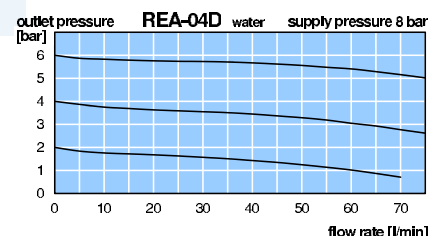
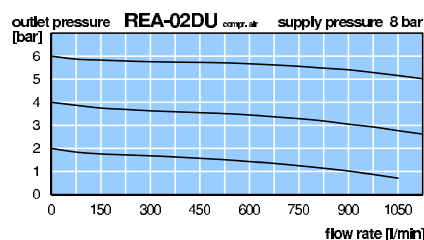
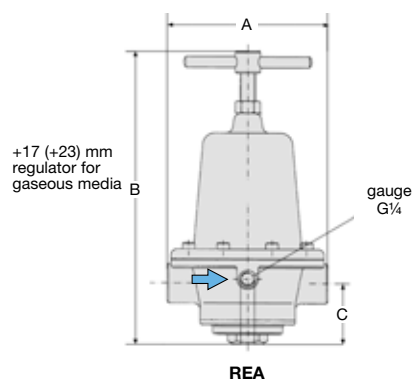
REA-04



REA-A4,  
accessory: gauge



## Special options and Accessories, see page 15.08



\*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

