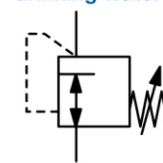


# RWF - Régulateur de pression pour eau potable, raccordement à brides

## RWF - Drinking water pressure regulator with flanges

|                            |                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | Regulator independent of inlet pressure, made of gunmetal, with strainer of stainless steel. Regulators up to 10 bar outlet pressure equipped with diaphragm, all others are piston-operated. |
| <b>Drinking water</b>      | particularity all regulators RWF-...C with pressure range 1.5 ... 6 bar.                                                                                                                      |
| <b>Media</b>               | preferably water or drinking water, but also compressed air, neutral liquids and non-corrosive gases. It has to be considered that these regulators are non-relieving.                        |
| <b>Pressure difference</b> | 1 bar, between inlet and outlet pressure                                                                                                                                                      |
| <b>Gauge port</b>          | G $\frac{1}{4}$ on both sides of the body for outlet pressure, ports are closed with screw plugs.                                                                                             |
| <b>Mounting position</b>   | any, preferably vertical                                                                                                                                                                      |
| <b>ATEX</b>                | according to ATEX2014/34/EU, EN1127, EN13463 for zone 1, 2, 21 and 22                                                                                                                         |
| <b>PED</b>                 | according to EU directives DGRL/PED for liquids and gases of group 2                                                                                                                          |
| <b>Flanges</b>             | according to DIN 1092. length according to DIN558-1                                                                                                                                           |
| <b>Temperature range</b>   | 0 °C to 80 °C / 32 °F to 176 °F                                                                                                                                                               |
| <b>Material</b>            | see opposite page                                                                                                                                                                             |

drinking water



**DN8 up to DN125**  
**0.2 ... 2/20 bar**

| Dimensions |    |    |    | Flow rate             | Kvs-                | Nominal | Pressure |        | Order  |
|------------|----|----|----|-----------------------|---------------------|---------|----------|--------|--------|
| A          | B  | C  | D  | recommended           | value               | size    | inlet    | outlet | number |
| mm         | mm | mm | mm | (m <sup>3</sup> /h)*1 | (m <sup>3</sup> /h) | DN      | max. bar | bar    |        |

| Pressure regulator with flange |     |    |     | gunmetal, NBR/Buna N, w/o gauge<br>drinking water: RWF-...C |     |      | RWF |            |         |
|--------------------------------|-----|----|-----|-------------------------------------------------------------|-----|------|-----|------------|---------|
| 130                            | 178 | 48 | 80  | 0.2                                                         | 0.5 | DN8  | 25  | 0.8 ... 8  | RWF-02D |
|                                |     |    |     |                                                             |     |      | 40  | 1.5 ... 20 | RWF-02G |
|                                |     |    |     | 0.2                                                         | 0.5 | DN10 | 25  | 0.8 ... 8  | RWF-03D |
|                                |     |    |     |                                                             |     |      | 40  | 1.5 ... 20 | RWF-03G |
| 130                            | 175 | 48 | 95  | 1.3                                                         | 2.9 | DN15 | 16  | 0.2 ... 2  | RWF-04A |
|                                | 187 |    |     |                                                             |     |      | 25  | 0.5 ... 4  | RWF-04B |
|                                | 189 |    |     |                                                             |     |      |     | 1.5 ... 6  | RWF-04C |
|                                | 174 |    |     |                                                             |     |      |     | 1.5 ... 10 | RWF-04E |
|                                | 178 |    |     |                                                             |     |      |     | 1.5 ... 12 | RWF-04F |
|                                | 254 |    |     |                                                             |     |      |     | 2.0 ... 20 | RWF-04G |
| 150                            | 183 | 53 | 105 | 2.3                                                         | 3.9 | DN20 | 16  | 0.2 ... 2  | RWF-06A |
|                                | 193 |    |     |                                                             |     |      | 25  | 0.5 ... 4  | RWF-06B |
|                                | 195 |    |     |                                                             |     |      |     | 1.5 ... 6  | RWF-06C |
|                                | 190 |    |     |                                                             |     |      |     | 1.5 ... 10 | RWF-06E |
|                                | 203 |    |     |                                                             |     |      |     | 1.5 ... 12 | RWF-06F |
|                                | 263 |    |     |                                                             |     |      |     | 2.0 ... 20 | RWF-06G |
| 160                            | 185 | 58 | 115 | 3.6                                                         | 5.4 | DN25 | 16  | 0.2 ... 2  | RWF-08A |
|                                | 197 |    |     |                                                             |     |      | 25  | 0.5 ... 4  | RWF-08B |
|                                | 199 |    |     |                                                             |     |      |     | 1.5 ... 6  | RWF-08C |
|                                | 194 |    |     |                                                             |     |      |     | 1.5 ... 10 | RWF-08E |
|                                | 213 |    |     |                                                             |     |      |     | 1.5 ... 12 | RWF-08F |
|                                | 264 |    |     |                                                             |     |      |     | 2.0 ... 20 | RWF-08G |
| 180                            | 197 | 70 | 140 | 5.8                                                         | 6.1 | DN32 | 16  | 0.2 ... 2  | RWF-10A |
|                                | 210 |    |     |                                                             |     |      | 25  | 0.5 ... 4  | RWF-10B |
|                                | 210 |    |     |                                                             |     |      |     | 1.5 ... 6  | RWF-10C |
|                                | 205 |    |     |                                                             |     |      |     | 1.5 ... 10 | RWF-10E |
|                                | 223 |    |     |                                                             |     |      |     | 1.5 ... 12 | RWF-10F |
|                                | 275 |    |     |                                                             |     |      |     | 2.0 ... 20 | RWF-10G |
| 200                            | 386 | 75 | 150 | 9.0                                                         | 9.0 | DN40 | 16  | 0.2 ... 2  | RWF-12A |
|                                | 316 |    |     |                                                             |     |      | 25  | 0.5 ... 4  | RWF-12B |
|                                | 316 |    |     |                                                             |     |      |     | 1.5 ... 6  | RWF-12C |
|                                | 388 |    |     |                                                             |     |      |     | 1.5 ... 10 | RWF-12E |
|                                | 377 |    |     |                                                             |     |      |     | 1.5 ... 12 | RWF-12F |
|                                | 401 |    |     |                                                             |     |      |     | 2.0 ... 20 | RWF-12G |



DN8-25

RWF-02...-08D/G



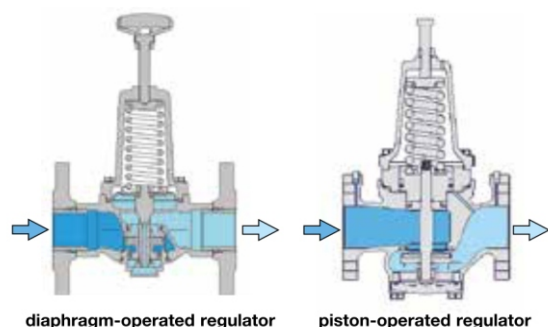
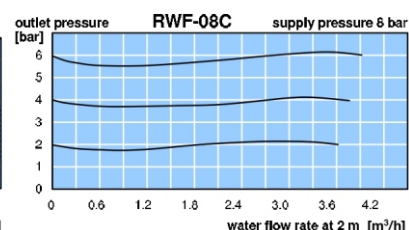
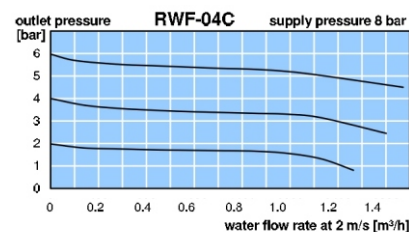
DN32-50

RWF-10...-16G



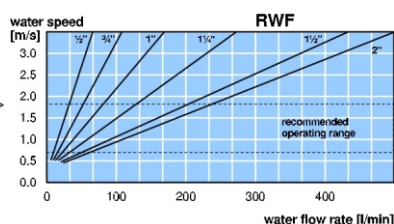
DN80

RWF-24A  
accessories: pressure gauge



diaphragm-operated regulator

piston-operated regulator



\*1 at 2 m/s water speed

\* for compressed air the flow is 70 times greater

# RWF - Régulateur de pression pour eau potable, raccordement à brides

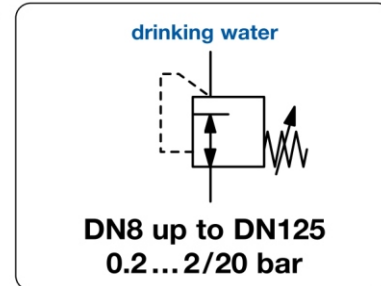
## RWF - Drinking water pressure regulator with flanges

| Material                                                                                                                                                                                                |        |                                          |         |          |            |          |                        |                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------|---------|----------|------------|----------|------------------------|---------------------|--|
| Regulator                                                                                                                                                                                               | RW     | RWF-..A                                  |         | RWF-..B  | RWF-..C    | RWF-..E  | RWF-..F                | RWF-..G             |  |
| Nominal size                                                                                                                                                                                            | DN     | DN8-10                                   | DN15-80 | DN15-125 | DN15-125   | DN15-125 | DN15-100               | DN8-80              |  |
| Body                                                                                                                                                                                                    | all    | gunmetal CnSn5ZN5Pb2-C-GS / CC499K (Rg5) |         |          |            |          |                        |                     |  |
| Spring cage                                                                                                                                                                                             | < DN32 | Ms (< DN25)                              | PA      | Ms       | PA         | Ms       |                        | Ms (< DN25)         |  |
|                                                                                                                                                                                                         | > DN40 | -                                        | Rg      |          |            | GG       |                        | GG (> DN32)         |  |
| Seals                                                                                                                                                                                                   | all    | NBR/Buna-N                               |         |          |            |          |                        |                     |  |
| Diaphragm                                                                                                                                                                                               | < DN25 | CR                                       |         |          | NBR/Buna-N |          |                        | piston / NBR/Buna-N |  |
|                                                                                                                                                                                                         | > DN32 |                                          |         |          | NBR/Buna-N |          |                        | piston / NBR/Buna-N |  |
| Inner valve                                                                                                                                                                                             | < DN32 | Ms                                       |         |          | Ms, SS, Ho |          | Ms, SS, Ho (< DN25 Ms) |                     |  |
|                                                                                                                                                                                                         | > DN40 | -                                        |         |          | Ms, SS     |          | Ms, SS                 |                     |  |
| Reg. assembly                                                                                                                                                                                           | < DN32 | cartridge                                |         |          |            |          | valve seat             |                     |  |
| removable                                                                                                                                                                                               | > DN40 |                                          |         |          |            |          | valve seat             |                     |  |
| Legend: <b>Ms</b> : brass <b>SS</b> : stainless steel <b>Rg</b> : gunmetal <b>GG</b> : grey cast iron <b>Ho</b> : Hostaform <b>C</b> <b>CR</b> : chloroprene rubber, <b>NBR/Buna-N</b> : nitrile rubber |        |                                          |         |          |            |          |                        |                     |  |

Legend: Ms: brass SS: stainless steel Rg: gunmetal GG: grey cast iron Ho: Hostaform C: CR: chloroprene rubber, NBR/Buna-N: nitrile rubber

| Dimensions |    |    |    | Flow rate   |  | Kvs-   | Nominal | Pressure |        | Order  |
|------------|----|----|----|-------------|--|--------|---------|----------|--------|--------|
| A          | B  | C  | D  | recommended |  | value  | size    | inlet    | outlet | number |
| mm         | mm | mm | mm | (m³/h)*1    |  | (m³/h) | DN      | max. bar | bar    |        |

| Pressure regulator with flange |     |     |     |     |     |       | gunmetal, NBR/Buna N, w/o gauge<br>drinking water: RWF-...C |            | RWF |         |
|--------------------------------|-----|-----|-----|-----|-----|-------|-------------------------------------------------------------|------------|-----|---------|
| 230                            | 394 | 83  | 165 | 14  | 13  | DN50  | 16                                                          | 0.2 ... 2  | 2   | RWF-16A |
| 324                            |     |     |     |     |     |       | 25                                                          | 0.5 ... 4  | 4   | RWF-16B |
| 324                            |     |     |     |     |     |       |                                                             | 1.5 ... 6  | 6   | RWF-16C |
| 396                            |     |     |     |     |     |       |                                                             | 1.5 ... 10 | 10  | RWF-16E |
| 384                            |     |     |     |     |     |       |                                                             | 1.5 ... 12 | 12  | RWF-16F |
| 411                            |     |     |     |     |     |       |                                                             | 2.0 ... 20 | 20  | RWF-16G |
| 290                            | 420 | 93  | 185 | 24  | 20  | DN65  | 16                                                          | 0.2 ... 2  | 2   | RWF-20A |
| 349                            |     |     |     |     |     |       | 25                                                          | 0.5 ... 4  | 4   | RWF-20B |
| 349                            |     |     |     |     |     |       |                                                             | 1.5 ... 6  | 6   | RWF-20C |
| 418                            |     |     |     |     |     |       |                                                             | 1.5 ... 10 | 10  | RWF-20E |
| 411                            |     |     |     |     |     |       |                                                             | 1.5 ... 12 | 12  | RWF-20F |
| 429                            |     |     |     |     |     |       |                                                             | 2.0 ... 20 | 20  | RWF-20G |
| 310                            | 427 | 100 | 200 | 26  | 24  | DN80  | 16                                                          | 0.2 ... 2  | 2   | RWF-24A |
| 518                            | 136 |     |     | 60  | 60  |       |                                                             | 0.5 ... 4  | 4   | RWF-24B |
| 356                            | 100 |     |     | 26  | 24  |       |                                                             | 1.5 ... 6  | 6   | RWF-24C |
| 518                            | 136 |     |     | 60  | 60  |       |                                                             | 1.5 ... 6  | 6   | RWF-25C |
| 521                            |     |     |     | 60  | 60  |       |                                                             | 3.0 ... 10 | 10  | RWF-24E |
| 545                            |     |     |     | 60  | 60  |       | 25                                                          | 4.0 ... 12 | 12  | RWF-24F |
| 436                            |     |     |     | 24  | 24  |       | 25                                                          | 2.0 ... 20 | 20  | RWF-24G |
| 350                            | 540 | 140 | 200 | 80  | 80  | DN100 | 16                                                          | 0.5 ... 4  | 4   | RWF-32B |
| 540                            |     |     |     |     |     |       |                                                             | 1.5 ... 6  | 6   | RWF-32C |
| 542                            |     |     |     |     |     |       |                                                             | 3.0 ... 10 | 10  | RWF-32E |
| 600                            | 135 |     |     |     |     |       |                                                             | 4.0 ... 12 | 12  | RWF-32F |
| 400                            | 730 | 165 | 270 | 130 | 130 | DN125 | 16                                                          | 0.5 ... 4  | 4   | RWF-40B |
| 540                            |     |     |     |     |     |       |                                                             | 1.5 ... 6  | 6   | RWF-40C |
| 542                            |     |     |     |     |     |       |                                                             | 3.0 ... 10 | 10  | RWF-40E |



RWF-24B/C/E  
accessories: pressure gauge



RWF-12...-16F/G  
accessories: pressure gauge



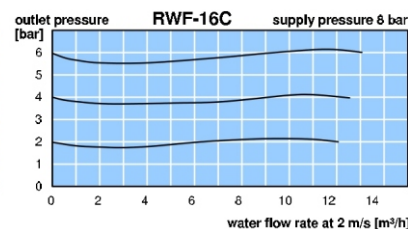
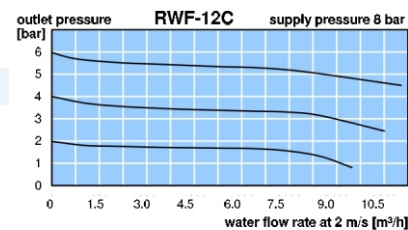
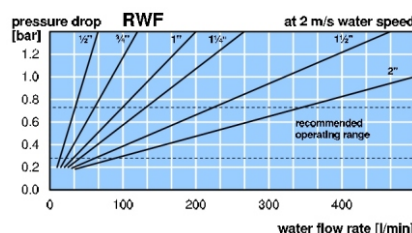
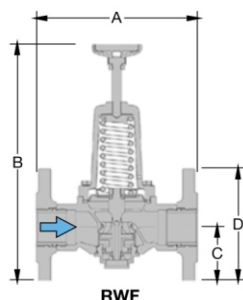
RWF-24F  
accessories: pressure gauge

### Special options, add the appropriate letter

|                     |                                                                                    |       |        |           |
|---------------------|------------------------------------------------------------------------------------|-------|--------|-----------|
| Elastomer           | EPDM: E                                                                            | CR: C | FKM: V | RWF-...V  |
| flange connection   | ANSI                                                                               |       |        | RWF-...F6 |
| for different media | warm-, hot-, and see water, acids, bases, oil, petrol glue, food, foam, gases etc. |       |        | RWF-...X  |

### Accessories, enclosed

pressure gauge Ø 63 mm, vertical 0...² bar, G¼ MT6302-...²



\*1 at 2 m/s water speed \* for compressed air the flow is 70 times greater  
 \*2 02 = 0...2 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar