

# PRESSURE REGULATOR FOR WATER, WITH FLANGE

RWF

**Description** 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.

**Drinking water** particularly all regulators RWF-..C with pressure range 1.5 ...6 bar.

**Media** 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.

**Pressure difference** 1 bar, between inlet and outlet pressure

**Gauge port** G $\frac{1}{4}$  on both sides of the body for outlet pressure, ports are closed with screw plugs.

**Mounting position** any, preferably vertical

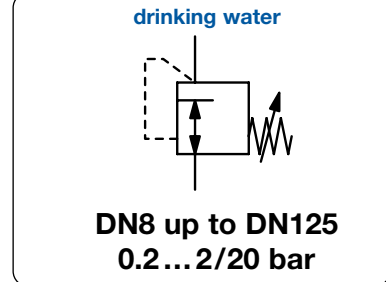
**ATEX** according to ATEX2014/34/EU, EN1127, EN13463 for zone 1, 2, 21 and 22

**PED** according to EU directives DGRL/PED for liquids and gases of group 2

**Flanges** according to DIN 1092. length according to DIN558-1

**Temperature range** 0 °C to 80 °C / 32 °F to 176 °F

**Material** see opposite page



Dimensions				Flow rate	K <sub>vs</sub>	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	

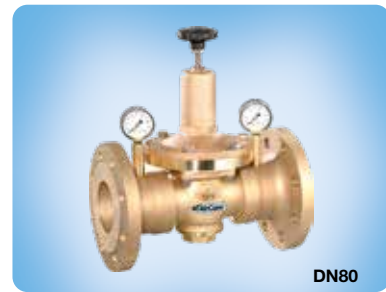
Pressure regulator with flange							gunmetal, NBR/Buna N, w/o gauge drinking water: RWF-..C	RWF		
130	178	48	80	0.2	0.5	DN8	25	0.8 ... 8	<b>RWF-02D</b>	
							40	1.5 ... 20	<b>RWF-02G</b>	
				0.2	0.5	DN10	25	0.8 ... 8	<b>RWF-03D</b>	
							40	1.5 ... 20	<b>RWF-03G</b>	
130	175	48	95	1.3	2.9	DN15	16	0.2 ... 2	<b>RWF-04A</b>	
							25	0.5 ... 4	<b>RWF-04B</b>	
								1.5 ... 6	<b>RWF-04C</b>	
								1.5 ... 10	<b>RWF-04E</b>	
								1.5 ... 12	<b>RWF-04F</b>	
								2.0 ... 20	<b>RWF-04G</b>	
150	183	53	105	2.3	3.9	DN20	16	0.2 ... 2	<b>RWF-06A</b>	
							25	0.5 ... 4	<b>RWF-06B</b>	
								1.5 ... 6	<b>RWF-06C</b>	
								1.5 ... 10	<b>RWF-06E</b>	
								1.5 ... 12	<b>RWF-06F</b>	
								2.0 ... 20	<b>RWF-06G</b>	
160	185	58	115	3.6	5.4	DN25	16	0.2 ... 2	<b>RWF-08A</b>	
							25	0.5 ... 4	<b>RWF-08B</b>	
								1.5 ... 6	<b>RWF-08C</b>	
								1.5 ... 10	<b>RWF-08E</b>	
								1.5 ... 12	<b>RWF-08F</b>	
								2.0 ... 20	<b>RWF-08G</b>	
180	197	70	140	5.8	6.1	DN32	16	0.2 ... 2	<b>RWF-10A</b>	
							25	0.5 ... 4	<b>RWF-10B</b>	
								1.5 ... 6	<b>RWF-10C</b>	
								1.5 ... 10	<b>RWF-10E</b>	
								1.5 ... 12	<b>RWF-10F</b>	
								2.0 ... 20	<b>RWF-10G</b>	
200	386	75	150	9.0	9.0	DN40	16	0.2 ... 2	<b>RWF-12A</b>	
							25	0.5 ... 4	<b>RWF-12B</b>	
								1.5 ... 6	<b>RWF-12C</b>	
								1.5 ... 10	<b>RWF-12E</b>	
								1.5 ... 12	<b>RWF-12F</b>	
								2.0 ... 20	<b>RWF-12G</b>	



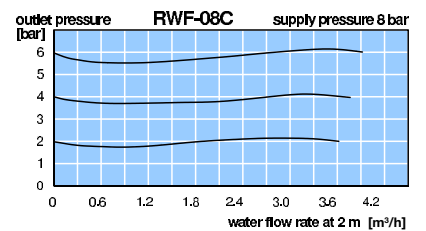
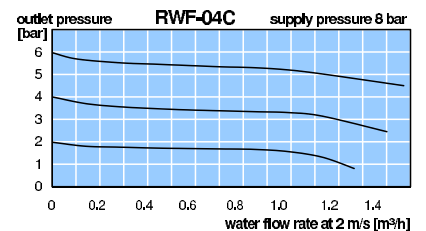
RWF-02...-08D/G



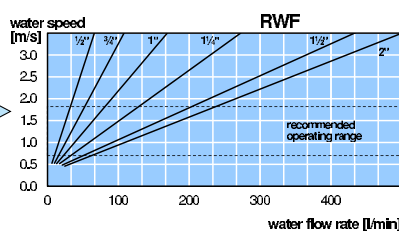
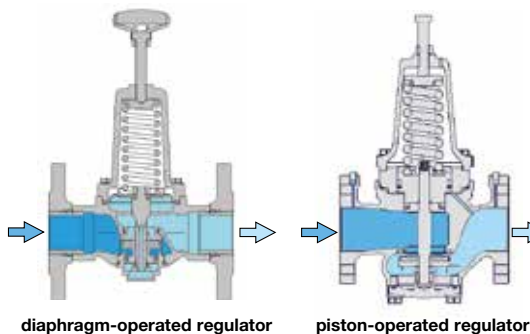
RWF-10...-16G



RWF-24A  
accessories: pressure gauge



Special



\*1 at 2 m/s water speed      \* for compressed air the flow is 70 times greater

\* Product group

PDF CAD  
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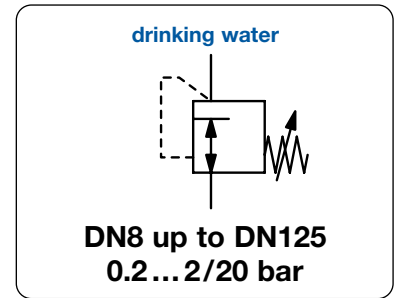
Order example:  
**RWF-02D**

# PRESSURE REGULATOR FOR WATER, WITH FLANGE

RWF

Regulator Nominal size	RW DN	Material						
		RWF-..A DN8-10	RWF-..B DN15-80	RWF-..C DN15-125	RWF-..D DN15-125	RWF-..E DN15-125	RWF-..F DN15-100	RWF-..G DN8-80
Body	all	gunmetal CnSn5Zn5Pb2-C-GS / CC499K (Rg5)						
Spring cage	< DN32 > DN40	Ms (< DN25) -	PA Rg	Ms	PA	Ms	GG	Ms (< DN25) GG (> DN32)
Seals	all	NBR/Buna-N						
Diaphragm	< DN25 > DN32	CR	NBR/Buna-N				piston / NBR/Buna-N piston / NBR/Buna-N	
Inner valve	< DN32 > DN40	Ms	Ms, SS, Ho		Ms, SS, Ho (< DN25 Ms)		Ms, SS	
Reg. assembly removable	< DN32 > DN40	cartridge					valve seat	

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



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



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



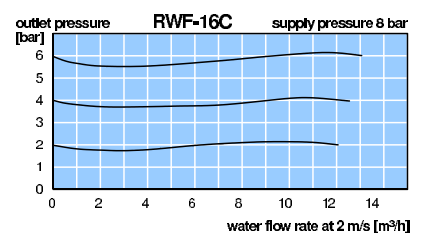
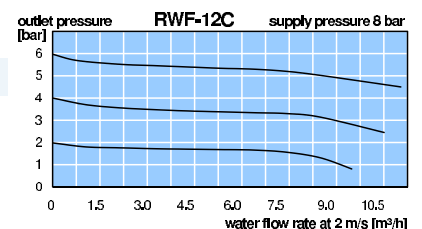
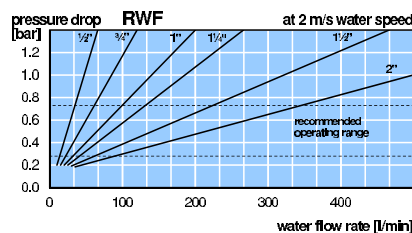
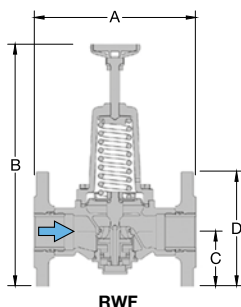
RWF-24F  
accessories: pressure gauge

## Special options, add the appropriate letter

Elastomer	EPDM: <b>E</b>	CR: <b>C</b>	FKM: <b>V</b>	RWF-.. <b>V</b>
flange connection	ANSI			RWF-.. <b>F2</b>
for different media	warm-, hot-, and see water, acids, bases, oil, petrol glue, food, foam, gases etc.			RWF-.. <b>X</b>

## Accessories, enclosed

pressure gauge Ø 63 mm, vertical 0...\*2 bar, G1/4 **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

Gauges: see chapter for measuring devices

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Order example:  
**RWF-16A**

Special  
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