


# RWA - Régulateur de pression pour eau potable, R3/8" à R2.5" mâle, certifié DVGW, ATEX, DGRL/PED

**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. particularly all regulators RWA...C with pressure range 1.5 ...6 bar.

**Drinking water**  Regulators with DN 15 up to DN 25 have the same constructions dimensions as D06F from Honeywell, according to DVGW up to DN 32.

**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** G1/4 on both sides of the body for outlet pressure, ports are closed with screw plugs.

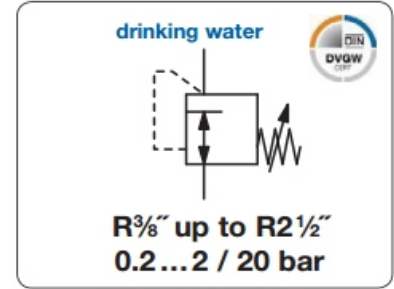
**Mounting position** any, preferably vertical

**ATEX** according to ATEX94/9EG, EN1127, EN13463 for zone 1, 2, 21 and 22

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

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

**Material** see opposite page



Dimensions			Flow rate recommended	Kvs-value	Nominal size	Connection thread	Pressure		Order number
A	B	C					inlet	outlet	
mm	mm	mm	(m <sup>3</sup> /h)*1	(m <sup>3</sup> /h)*2	DN	R	max. bar	bar	

Regulator with male thread						gunmetal, NBR/Buna-N drinking water: RWA...C	RWA		
137	154	27	1.3	2.9	DN 10	3/8"	16	0.2 ... 2	RWA-03A
163		25					0.5 ... 4	RWA-03B	
168		25					1.5 ... 6	RWA-03C	
163		25					1.5 ... 10	RWA-03E	
182		25					1.5 ... 12	RWA-03F	
233		25					2.0 ... 20	RWA-03G	
137	154	27	1.3	2.9	DN 15	1/2"	16	0.2 ... 2	RWA-04A
163		25					0.5 ... 4	RWA-04B	
168		25					1.5 ... 6	RWA-04C	
163		25					1.5 ... 10	RWA-04E	
182		25					1.5 ... 12	RWA-04F	
233		25					2.0 ... 20	RWA-04G	
141	156	27	2.3	3.9	DN 20	3/4"	16	0.2 ... 2	RWA-06A
163		25					0.5 ... 4	RWA-06B	
168		25					1.5 ... 6	RWA-06C	
163		25					1.5 ... 10	RWA-06E	
182		25					1.5 ... 12	RWA-06F	
233		25					2.0 ... 20	RWA-06G	
161	155	29	3.6	5.4	DN 25	1"	16	0.2 ... 2	RWA-08A
164		25					0.5 ... 4	RWA-08B	
168		25					1.5 ... 6	RWA-08C	
164		25					1.5 ... 10	RWA-08E	
182		25					1.5 ... 12	RWA-08F	
233		25					2.0 ... 20	RWA-08G	
177	156	47	5.8	6.1	DN 32	1 1/4"	16	0.2 ... 2	RWA-10A
219		25					0.5 ... 4	RWA-10B	
222		25					1.5 ... 6	RWA-10C	
219		25					1.5 ... 10	RWA-10E	
234		25					1.5 ... 12	RWA-10F	
252		25					2.0 ... 20	RWA-10G	



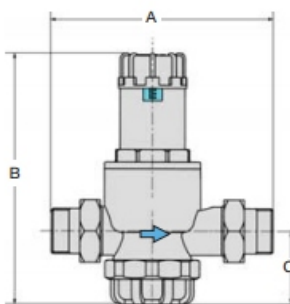
RWA-04B / C / E



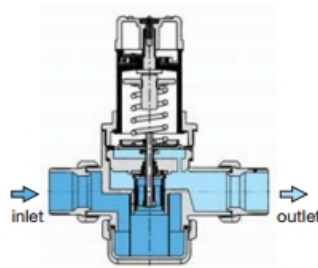
RWA-04A



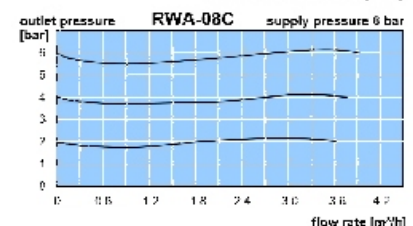
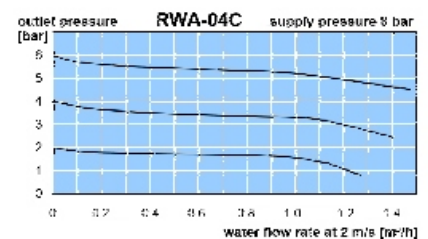
RWA-04F / G



RWA



cross-section



\*1 at 2 m/s water speed

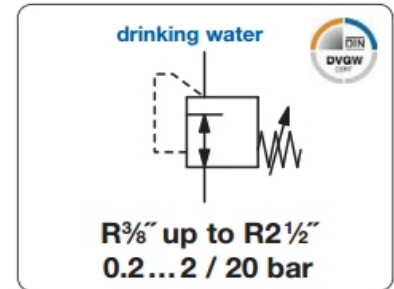
\*2 for compressed air the flow is 70 times greater



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Material							
Regulator	RW	RWA-...A	RWA-...B	RWA-...C	RWA-...E	RWA-...F	RWA-...G
Nominal size	DN	DN 10-65	DN 15-65	DN 10-65	DN 15-65	DN 15-100	DN 10-65
Body	all	gunmetal CnSn5Zn5Pb2-C-GS / CC499K (Rg5)					
Spring cage	< DN 32 > DN 40	PA Rg	Ms GG	PA GG	Ms GG	Ms (< DN 25) GG (> DN 32)	
Seals	all	NBR/Buna N					
Diaphragm	< DN 25 > DN 32	NBR/Buna N		NBR/Buna-N		piston / NBR/Buna-N	
Inner valve	< DN 32 > DN 40	Ms, SS, Ho		Ms, SS, Ho (< DN 25 Ms)			
Reg. assembly removable	< DN 32 > DN 40	cartridge				valve seat	

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



Dimensions			Flow rate	Kvs-	Nominal	Connection	Pressure		Order
A	B	C	recommended	value	size	thread	inlet	outlet	number
mm	mm	mm	(m <sup>3</sup> /h)*1	(m <sup>3</sup> /h)*2	DN	R	max. bar	bar	

Regulator with male thread								gunmetal, NBR/Buna-N drinking water: RWA-...C	RWA
210	370	59	9,0	9,0	DN 40	1 1/2"	16	0.2 ... 2	RWA-12A
	301	51					25	0.5 ... 4	RWA-12B
	293	51					25	1.5 ... 6	RWA-12C
	361	51					25	1.5 ... 10	RWA-12E
	361	51					25	1.5 ... 12	RWA-12F
	386	51					25	2.0 ... 20	RWA-12G
210	372	61	14	13	DN 50	2"	16	0.2 ... 2	RWA-16A
	372	61					25	0.5 ... 4	RWA-16B
	294	53					25	1.5 ... 6	RWA-16C
	363	53					25	1.5 ... 10	RWA-16E
	364	53					25	1.5 ... 12	RWA-16F
	388	53					25	2.0 ... 20	RWA-16G
273	394	68	24	20	DN 65	2 1/2"	16	0.2 ... 2	RWA-20A
	324						25	0.5 ... 4	RWA-20B
	324						25	1.5 ... 6	RWA-20C
	392						25	1.5 ... 10	RWA-20E
	384						25	1.5 ... 12	RWA-20F
	408						25	2.0 ... 20	RWA-20G

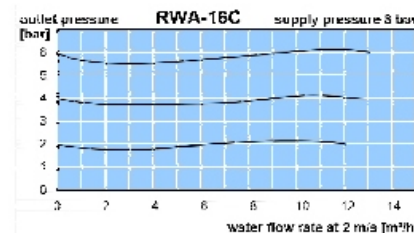
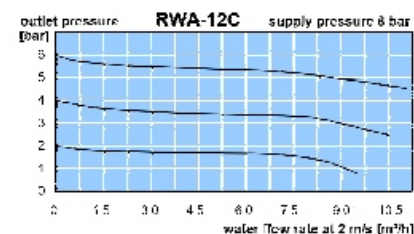
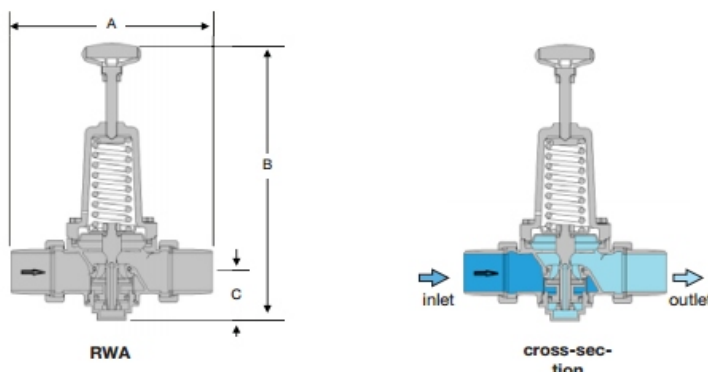


## Special options, add the appropriate letter

NPT	connection thread	RWA-...N
FKM elastomer		RWA-...V
for different media	warm-, hot-, and see water, acids, bases, oil, petrol glue, food, foam, gases etc.	RWA-...X

## Accessories

pressure gauge	Ø 50 mm, rear 0... <sup>*3</sup> bar, G1/4	MA5002-... <sup>*3</sup>
	Ø 63 mm, rear 0... <sup>*3</sup> bar, G1/4	MA6302-... <sup>*3</sup>



\*1 at 2 m/s water speed \*2 for compressed air the flow is 70 times greater  
<sup>\*3</sup> 02 = 0...2 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar

