


# PRESSURE REGULATOR FOR WATER, WITH MALE THREAD

RWA

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

**Drinking water** 

**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.

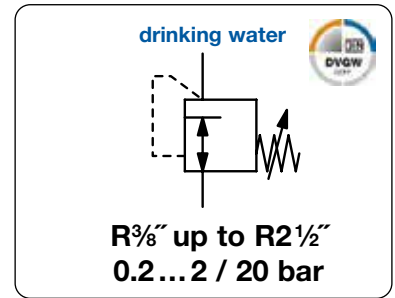
**Mounting position** any, preferably vertical

**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

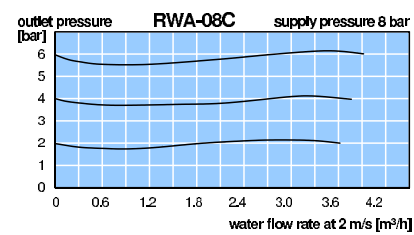
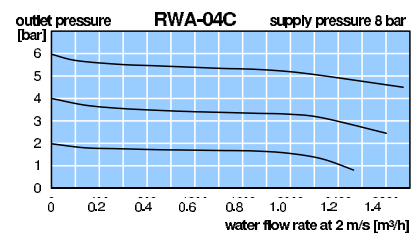
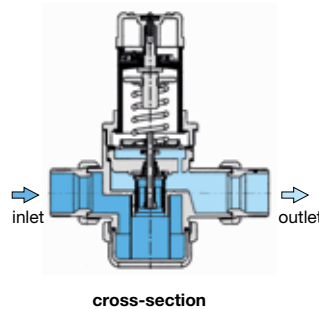
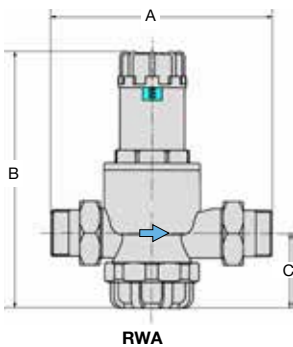
**Temperature range** 0 °C to 80 °C / 32 °F to 176 °F

**Material** see opposite page




Dimensions			Flow rate	K <sub>vs</sub>	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		
137	154	27	1,3	2.9	<b>DN 10</b>	$\frac{3}{8}$ "	16	0.2 ... 2	2	<b>RWA-03A</b>
	163						25	0.5 ... 4	4	<b>RWA-03B</b>
	168						25	1.5 ... 6	6	<b>RWA-03C</b>
	163						25	1.5 ... 10	10	<b>RWA-03E</b>
	182						25	1.5 ... 12	12	<b>RWA-03F</b>
	233						25	2.0 ... 20	20	<b>RWA-03G</b>
137	154	27	1,3	2.9	<b>DN 15</b>	$\frac{1}{2}$ "	16	0.2 ... 2	2	<b>RWA-04A</b>
	163						25	0.5 ... 4	4	<b>RWA-04B</b>
	168						25	1.5 ... 6	6	<b>RWA-04C</b>
	163						25	1.5 ... 10	10	<b>RWA-04E</b>
	182						25	1.5 ... 12	12	<b>RWA-04F</b>
	233						25	2.0 ... 20	20	<b>RWA-04G</b>
141	156	27	2,3	3.9	<b>DN 20</b>	$\frac{3}{4}$ "	16	0.2 ... 2	2	<b>RWA-06A</b>
	163						25	0.5 ... 4	4	<b>RWA-06B</b>
	168						25	1.5 ... 6	6	<b>RWA-06C</b>
	163						25	1.5 ... 10	10	<b>RWA-06E</b>
	182						25	1.5 ... 12	12	<b>RWA-06F</b>
	233						25	2.0 ... 20	20	<b>RWA-06G</b>
161	155	29	3,6	5.4	<b>DN 25</b>	1"	16	0.2 ... 2	2	<b>RWA-08A</b>
	164						25	0.5 ... 4	4	<b>RWA-08B</b>
	168						25	1.5 ... 6	6	<b>RWA-08C</b>
	164						25	1.5 ... 10	10	<b>RWA-08E</b>
	182						25	1.5 ... 12	12	<b>RWA-08F</b>
	233						25	2.0 ... 20	20	<b>RWA-08G</b>
177	156	47	5,8	6.1	<b>DN 32</b>	1 $\frac{1}{4}$ "	16	0.2 ... 2	2	<b>RWA-10A</b>
	219						25	0.5 ... 4	4	<b>RWA-10B</b>
	222						25	1.5 ... 6	6	<b>RWA-10C</b>
	219						25	1.5 ... 10	10	<b>RWA-10E</b>
	234						25	1.5 ... 12	12	<b>RWA-10F</b>
	252						25	2.0 ... 20	20	<b>RWA-10G</b>



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

PDF CAD  
www.aircom.net

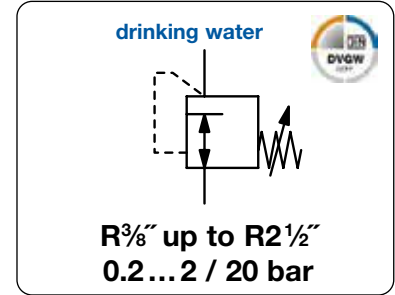
 Order example:  
**RWA-03A**

# PRESSURE REGULATOR FOR WATER, WITH MALE THREAD

RWA

Regulator	Material						
	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	PA	Ms	PA	Ms	Ms (< DN 25)	Ms (< DN 25)
	> DN 40	Rg	GG	GG	GG	GG (> DN 32)	GG (> DN 32)
Seals	all	NBR/Buna N					
Diaphragm	< DN 25	NBR/Buna N			NBR/Buna-N		
	> DN 32	NBR/Buna N			piston / NBR/Buna-N		
Inner valve	< DN 32	Ms, SS, Ho			Ms, SS, Ho (< DN 25 Ms)		
	> DN 40	Ms, SS			Ms, SS		
Reg. assembly removable	< DN 32	cartridge				valve seat	
	> DN 40	valve seat				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	(m³/h)*1	(m³/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	1½"	16	0.2 ... 2	2	RWA-12A
	301	51					25	0.5 ... 4	4	RWA-12B
	293	51					25	1.5 ... 6	6	RWA-12C
	361	51					25	1.5 ... 10	10	RWA-12E
	361	51					25	1.5 ... 12	12	RWA-12F
	386	51					25	2.0 ... 20	20	RWA-12G
210	372	61	14	13	DN 50	2"	16	0.2 ... 2	2	RWA-16A
	372	61					25	0.5 ... 4	4	RWA-16B
	294	53					25	1.5 ... 6	6	RWA-16C
	363	53					25	1.5 ... 10	10	RWA-16E
	364	53					25	1.5 ... 12	12	RWA-16F
	388	53					25	2.0 ... 20	20	RWA-16G
273	394	68	24	20	DN 65	2½"	16	0.2 ... 2	2	RWA-20A
	324						25	0.5 ... 4	4	RWA-20B
	324						25	1.5 ... 6	6	RWA-20C
	392						25	1.5 ... 10	10	RWA-20E
	384						25	1.5 ... 12	12	RWA-20F
	408						25	2.0 ... 20	20	RWA-20G

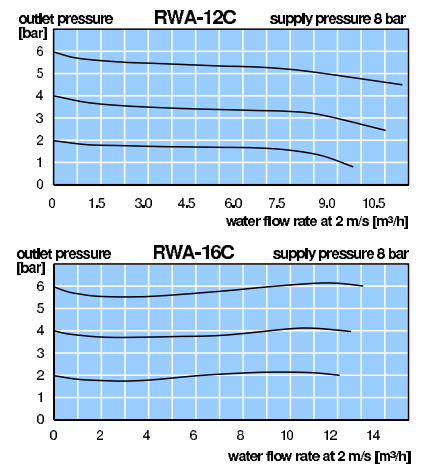
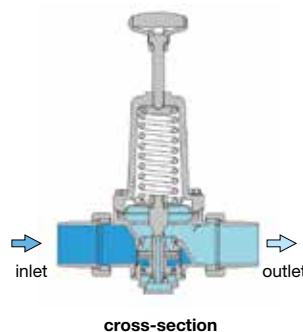
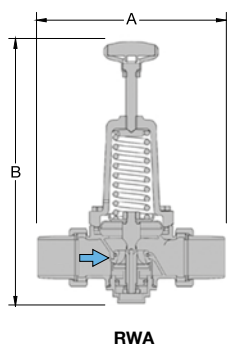


**Special options**, add the appropriate letter

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

**Accessories**, enclosed

**pressure gauge** Ø 50 mm, 0...<sup>\*3</sup> bar, G¼ up to G½ **MA5002-..<sup>\*3</sup>**  
 Ø 63 mm, 0...<sup>\*3</sup> bar, G¼ up to G¾ **MA6302-..<sup>\*3</sup>**  
 Ø 50 mm, 0...60 bar, G¼ from G¼ up to G2 **MA ..02-25**



\*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

Gauges: see chapter for measuring devices PDF CAD www.aircom.net

Order example: RWA-12A

Special 9