

Brass Pressure Regulator up to 50 bar

R120

Description Pressure regulator of solid design. Made of brass or bronze. Ideal for water or liquid applications. R120-0.A to -0.E and R120-16/-32 are equipped with diaphragms, all others are piston-operated.

Media compressed air, non-corrosive gases or liquids

Supply pressure max. 50 bar, see chart

Adjustment by plastic knob for R120-02, by T-handle with locknut for R120-04 to -B6 by hexagonal spindle (spanner size 24 mm) with locknut for R120-16 by pilot pressure regulator at R120-32

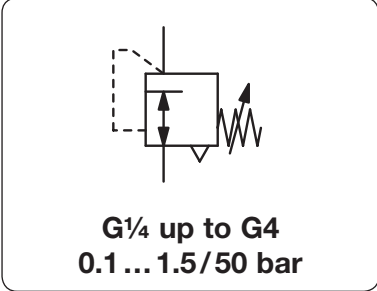
Relieving function relieving, optionally non-relieving

Gauge port G $\frac{1}{4}$ on both sides of the body, one screw plug supplied

Mounting position any

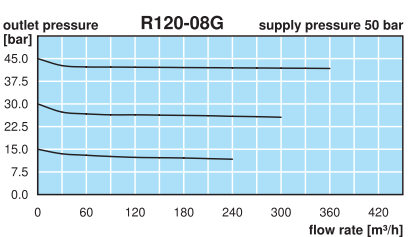
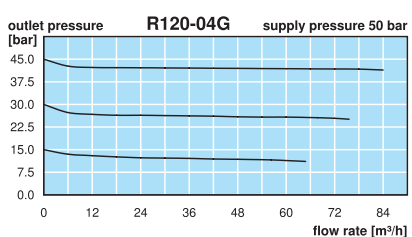
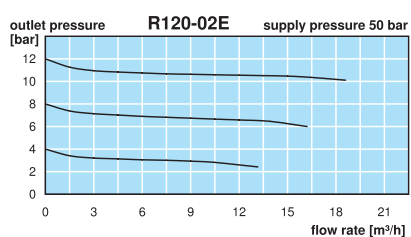
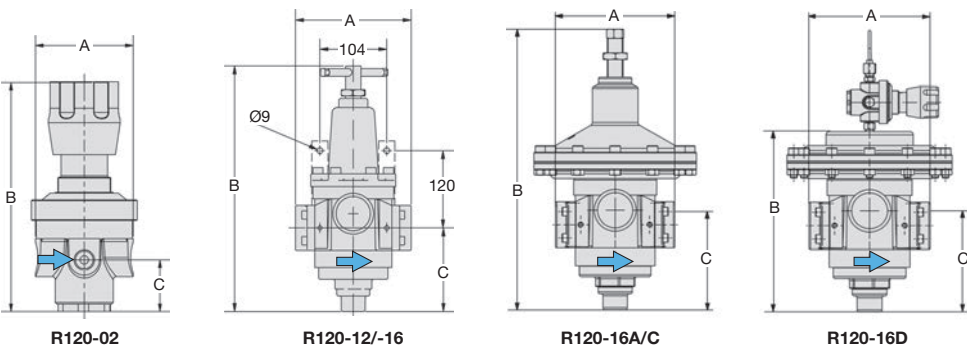
Temperature range 0 °C to 60 °C / 32 °F to 144 °F, optionally high temperature version up to 130 °C / 266 °F, for low temperature version down to -40 °C / -40 °F

Material Body: brass at R120-02 and -04, bronze at R120-06 to -16, aluminium at R120-32
Spring cage: brass at R120-02 and -04, aluminium at R120-06 to -32
Inner valve: brass
Diaphragm: NBR/Buna-N with PTFE coating



Dimensions			Reg. system	K _v	Flow rate	Connection	Supply	Pressure	Order
A	B	C	D: diaphragm	value	rate	thread	max.	range	number
mm	mm	mm	P: piston	(m ³ /h)	m ³ /h*1	G	bar	bar	

Brass pressure regulator			for compressed air, supply max. 30 / 50 bar, relieving, without pressure gauge				R120			
64	143	34	D	0.35	8	130	G $\frac{1}{4}$	30	0.1 ... 1.5	R120-02A
					10	160			0.2 ... 3	R120-02B
					15	250			0.5 ... 8	R120-02C
					20	330		50	1 ... 15	R120-02E
					25	420			2 ... 30	R120-02F
					30	500			3 ... 50	R120-02G
78	165	37	D	1.0	20	330	G $\frac{1}{2}$	30	0.1 ... 1.5	R120-04A
					22	360			0.2 ... 3	R120-04B
					30	500			0.5 ... 8	R120-04C
					45	750		50	1 ... 15	R120-04E
					75	1250			2 ... 30	R120-04F
					90	1500			3 ... 50	R120-04G
120	315	65	D	4.2	60	1000	G $\frac{3}{4}$	30	0.1 ... 1.5	R120-06A
					78	1300			0.2 ... 3	R120-06B
					132	2200			0.5 ... 8	R120-06C
					222	3700		50	1 ... 15	R120-06E
					318	5300			2 ... 30	R120-06F
					396	6600			3 ... 50	R120-06G
120	315	65	D	4.2	60	1000	G1	30	0.1 ... 1.5	R120-08A
					78	1300			0.2 ... 3	R120-08B
					132	2200			0.5 ... 8	R120-08C
					222	3700		50	1 ... 15	R120-08E
					318	5300			2 ... 30	R120-08F
					396	6600			3 ... 50	R120-08G
180	415	130	P	9.6	240	4000	G1 $\frac{1}{2}$	30	0.1 ... 1.5	R120-12A
					402	6700			0.2 ... 3	R120-12B
					600	10000			0.5 ... 8	R120-12C
					900	15000		50	1 ... 15	R120-12E
					1000	16700			2 ... 30	R120-12F
					1200	20000			3 ... 50	R120-12G



*1 at max. supply pressure and max. outlet pressure

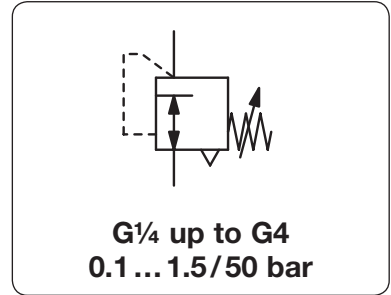


Order example:
R120-02A
China website: www.duray-control.cn

Brass Pressure Regulator up to 50 bar

R120

Description	Pressure regulator of solid design. Made of brass or bronze. Ideal for water or liquid applications. R120-0.A to -0.E and R120-16/-32 are equipped with diaphragms, all others are piston-operated.
Media	compressed air, non-corrosive gases or liquids
Supply pressure	max. 50 bar, see chart
Adjustment	by plastic knob for R120-02, by T-handle with locknut for R120-04 to -B6 by hexagonal spindle (spanner size 24 mm) with locknut for R120-16 by pilot pressure regulator at R120-32
Relieving function	relieving, optionally non-relieving
Gauge port	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied
Mounting position	any
Temperature range	0 °C to 60 °C / 32 °F to 144 °F, optionally high temperature version up to 130 °C / 266 °F, for low temperature version down to -40 °C / -40 °F
Material	Body: brass at R120-02 and -04, bronze at R120-06 to -16, aluminium at R120-32 Spring cage: brass at R120-02 and -04, aluminium at R120-06 to -32 Inner valve: brass Diaphragm: NBR/Buna-N with PTFE coating



Dimensions			Reg. system	K _v	Flow rate	Connection thread	Supply max.	Pressure range	Order number
A	B	C	D: diaphragm	value	m ³ /h*1	G	bar	bar	
mm	mm	mm	P: piston	(m ³ /h)	l/min*1				

Brass pressure regulator										R120
for compressed air, supply max. 30 / 50 bar, relieving, without pressure gauge										
180	415	130	P	9.6	240	4000	G2	30	0.1 ... 1.5	R120-B6A
					402	6700			0.2 ... 3	R120-B6B
					600	10000			0.5 ... 8	R120-B6C
					900	15000		50	1 ... 15	R120-B6E
					1000	16700			2 ... 30	R120-B6F
					1200	20000			3 ... 50	R120-B6G
180	425	130	D	13.2	1000	16700	G2	30	0.1 ... 1.5	R120-16A
					1500	25000			0.3 ... 6	R120-16C
					2200	36700			1 ... 15	R120-16D
373	442	125	D	24.5	2400	40000	flange	20	0.1 ... 1.5	R120-32AF
					4400	73300	DN 100		0.3 ... 6	R120-32CF
					4600	76600			1 ... 15	R120-32DF

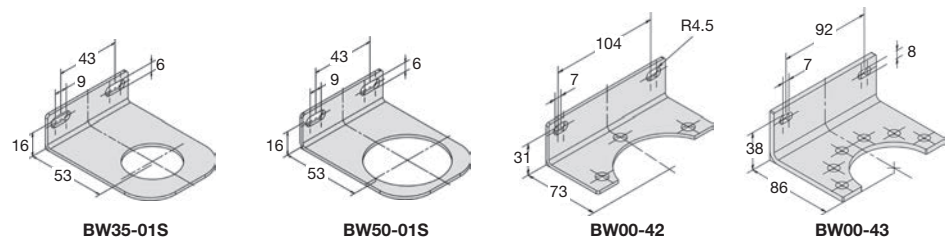


Special options, add the appropriate letter

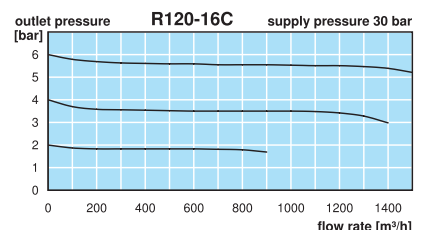
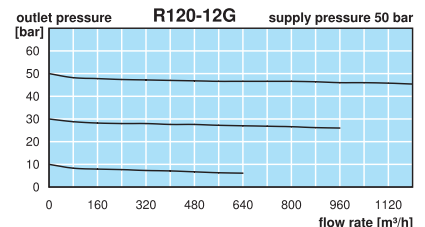
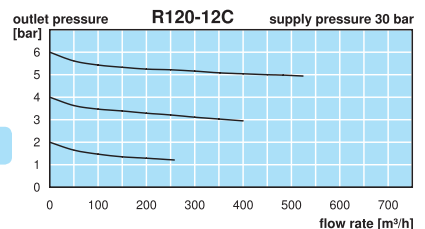
NPT	connection thread	R120-... N
non-relieving		R120-... K
up to -40 °C	low temperature version down to -40 °C / °F	up to R120-04
up to 130 °C	high temperature version up to 130 °C / 266 °F	up to R120-04
FKM o-ring	PTFE diaphragm	R120-... V
EPDM o-ring		R120-... E
T-handle	instead of plastic knob	for R120-02
PWIS-free	for painting plants	R120-02.T
flange connection	standard for R120-32, otherwise see chapter SST devices / flanges	R120-... LA
nitrogen	N ₂ : 07	R120-... F.
helium	He: 09	R120-... 05
oxygen	O ₂ : 15	R120-... 13
	carbon dioxide CO ₂ : 03	R120-... 17
	hydrogen H ₂ : 11	R120-... W
	argon Ar	
	methane CH ₄	
	nitrous oxide N ₂ O	
	water H ₂ O	

Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ and G $\frac{1}{2}$	MA5002-..*2
	Ø 50 mm, 0...60 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ and G $\frac{1}{2}$	MA5002-60
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ to G4	MA6302-..*2
	Ø 63 mm, 0...60 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ to G4	MA6302-60
gauge up to 130 °C	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$, stainless steel		MS6302-..*2
mounting bracket	made of stainless steel	for G $\frac{1}{4}$	BW35-01S
mounting nut	made of stainless steel	for G $\frac{1}{4}$	M35x1,5S
mounting bracket	made of stainless steel	for G $\frac{1}{2}$	BW50-01S
mounting nut	made of stainless steel	for G $\frac{1}{2}$	M50x1,5S
mounting bracket	made of steel	for G $\frac{3}{4}$ and G1	BW00-42
		for G $\frac{1}{2}$ and G2	BW00-43



*1 at max. supply pressure and max. outlet pressure
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar



Order example:
R120-B6A
China website: www.duray-control.cn