

STANDARD PRESSURE REGULATORS

DESCRIPTION	SUPPLY PRESSURE	PRESSURE RANGE	CONNECTION	SERIES	PAGE
	max. bar	bar	thread		
„Maxi“-Series, robust, interlockable	21	0.2 ... 1.8 / 17	G¼ - G1	R20, R21	2.02
made of plastic, also for liquids	12,5	0 ... 4 / 12	G½ - G1	R035 ... R095	2.03
with external feedback	16	0.2 ... 7.0	G¼	R218	2.04
„Midi“-Series	21	0.2 ... 1.8 / 17	G¼ - G½	R10, R11	2.05
extremely robust, high flow rate	21	0.2 ... 1.8 / 17	G¼ - G3	R119	2.06
Series „D“, made of aluminium /die-cast zinc	30	0.2 ... 1.5 / 15	G½ - G2	RD	2.08
with joint supply	16	0.1 ... 3 / 16	G½ - G½	RB, R035	2.10
lockable pressure regulator	16	0.1 ... 3 / 16	G½ and G1	RS	2.11
270° adjustment dial pressure regulator	21	0 ... 3 / 11	G¼ - G2	R11 ... R41	2.12



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Standard

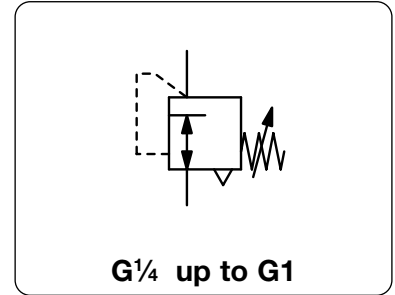


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"MAXI" PRESSURE REGULATOR

R20/R21

Description	Piston-operated high-capacity regulator of modular design with exchangeable inserts. Can be interlocked with filter or lubricator without double nipples. Each "maxi" regulator may be taken from a fixed line in seconds simply by removing the mounting bolts.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 21 bar	
Adjustment	R20: by plastic knob with snap-lock	R21: by T-handle with locknut
Relieving function	relieving, optionally non-relieving	
Gauge port	G $\frac{1}{4}$ on both sides of the body, screw plugs supplied	
Mounting position	any	
Temperature range	R20: 0 °C to 50 °C / 32 °F to 122 °F	R21: 0 °C to 80 °C / 32 °F to 176 °F
Material	Body: zinc die-cast Spring cage: zinc die-cast, adjusting knob made of glass fibre-reinforced plastic Elastomer: NBR/Buna-N Inner valve: brass and plastic	



Standard

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Dimensions			K _v -value (m ³ /h)	Flow rate		Connection thread G	Pressure range bar	Order number
A	B	C		m ³ /h*	l/min*1			

"Maxi" pressure regulator							supply pressure max. 21 bar, relieving, without pressure gauge	R20
89	162	38	3.4	240	4000	G $\frac{1}{4}$	0.2 ... 1.8 0.2 ... 4.0 0.3 ... 9.0 0.5 ... 17	R20-02A R20-02B R20-02C R20-02D
89	162	38	4.2	300	5000	G $\frac{3}{8}$	0.2 ... 1.8 0.2 ... 4.0 0.3 ... 9.0 0.5 ... 17	R20-03A R20-03B R20-03C R20-03D
89	162	38	5.2	372	6200	G $\frac{1}{2}$	0.2 ... 1.8 0.2 ... 4.0 0.3 ... 9.0 0.5 ... 17	R20-04A R20-04B R20-04C R20-04D
111	162	38	6.1	432	7200	G $\frac{3}{4}$	0.2 ... 1.8 0.2 ... 4.0 0.3 ... 9.0 0.5 ... 17	R20-06A R20-06B R20-06C R20-06D
111	162	38	6.3	450	7500	G1	0.2 ... 1.8 0.2 ... 4.0 0.3 ... 9.0 0.5 ... 17	R20-08A R20-08B R20-08C R20-08D

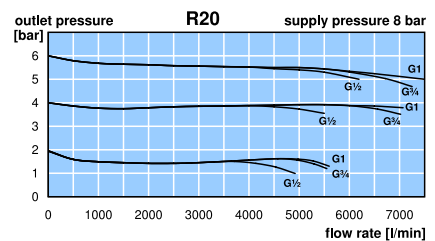
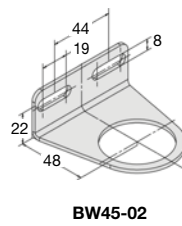
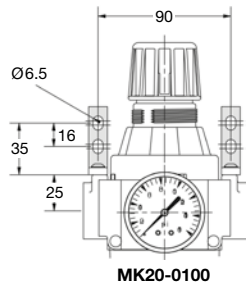
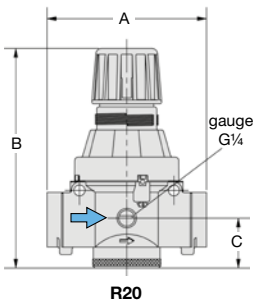


Special options, add the appropriate letter

T-handle	including locknut	R21-0..
NPT	connection thread	R2.-0..N
non-relieving	without relieving function	R2.-0..K

Accessories, enclosed

pressure gauge	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$ up to 16 bar	MA6302-...*2
mounting bracket	Ø 63 mm, 0...25 bar, G $\frac{1}{4}$ up to 25 bar	MA6302-...25
mounting nut	assembly at spring cage	BW45-02
set of brackets	made of plastic	M45x1,5K
	made of aluminium	M45x1,5A
	made of steel	MK20-0100



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 25 = 0...25 bar

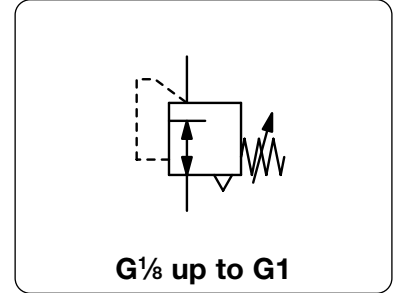
Gauges: see chapter for measuring devices www.aircom.net PDF CAD

* Product group Order example: R20-02A

PLASTIC PRESSURE REGULATOR

R035 ... R095

Description	Modular regulator easy to interlock with other regulators, filters or filter regulators of the same series, without the need for double nipples or any other fittings. A sensitive rolling diaphragm allows good pressure regulation.	
Media	compressed air, non-corrosive gases or liquids	
Supply pressure	max. 12,5 bar, max. 10 bar for R035, max. 16 bar bei R042	
Adjustment	by plastic knob with snap-lock, R035 without snap-lock	
Relieving function	relieving, optionally non-relieving	
Gauge port	G $\frac{1}{8}$ on both sides of the body (G $\frac{1}{4}$ at R095), one screw plug supplied	
Mounting position	any	
Temperature range	0 °C to 50 °C / 32 °F to 177 °F	
Material	Body: nylon, Elastomer: NBR/Buna-N Inner valve: brass Thread insert: brass	POM at R035 and R042



Standard
2

Dimensions			K _v -value (m ³ /h)	Flow rate		Connection thread G	Pressure range bar	Order number
A	B	C		m ³ /h*1	l/min*1			

Pressure regulator						supply pressure max. 12,5 bar, for series R035 max. 10 bar, for series R042 max. 16 bar, relieving, without pressure gauge		R0	
36	61	12	0.11	15	250	G $\frac{1}{8}$	0... 6	R035-01B	
for battery assembly, see also catalogue page "regulator for joint supply"							0... 6	R035-01RB	
42	102	20	0.36	51	850	G $\frac{1}{4}$	0... 4	R042-02B	
							0... 8	R042-02C	
							0... 12	R042-02D	
52	129	38	0.59	84	1400	G $\frac{3}{8}$	0... 4	R050-03B	
							0... 8	R050-03C	
							0... 12	R050-03D	
52	129	38	0.63	90	1500	G $\frac{1}{2}$	0... 4	R052-04B	
							0... 8	R052-04C	
							0... 12	R052-04D	
63	145	42	1.0	138	2300	G $\frac{1}{2}$	0... 4	R075-04B	
							0... 8	R075-04C	
							0... 12	R075-04D	
137	145	42	1.0	144	2400	G $\frac{3}{4}$	0... 4	R080-06B	
							0... 8	R080-06C	
							0... 12	R080-06D	
115	222	48	6.3	900	15000	G1	0... 4	R095-08B	
							0... 8	R095-08C	
							0... 12	R095-08D	

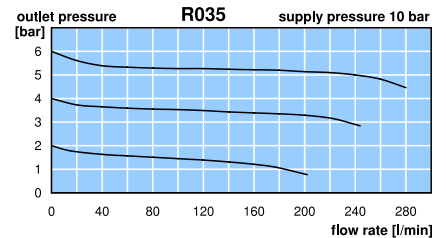
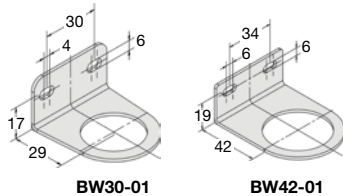
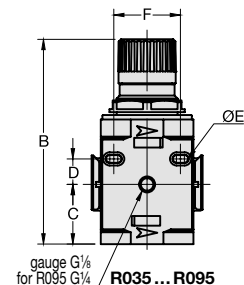


Special options, add the appropriate letter

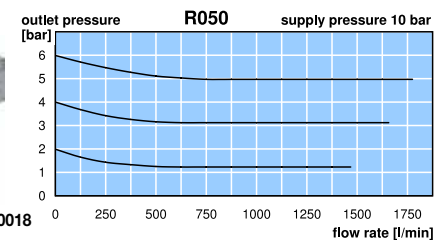
non-relieving without relieving function, also for liquids R0..-0..K

Accessories, enclosed

pressure gauge	Ø 23 mm, 0... ^{*2} bar, G $\frac{1}{8}$, max. 12 bar Ø 40 mm, 0... ^{*2} bar, G $\frac{1}{4}$ Ø 50 mm, 0... ^{*2} bar, G $\frac{1}{2}$ Ø 63 mm, 0... ^{*2} bar, G $\frac{3}{4}$	for R035 for R042 for R050 to R080 for R095	MA2301-...^{*2} MA4001-...^{*2} MA5001-...^{*2} MA6302-...^{*2}
mounting bracket	made of steel, mounting nut at the device	for R042 for R050 to R080	BW30-01 BW42-01
set of brackets	made of steel	for R095	BW00-02
connection clips		for R035	C350100018



series	D	Ø E	F	K	L
R035	8	3.5	20	-	36
R042	10.5	4.5	31	-	42
R050/52	16	5.5	41	63	52
R075	17.5	5.5	45	75	63
R080	17.5	5.5	45	-	63
R095	65	8.5	174	115	95



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

* Product group

Accessories and mounting brackets: see chapter for FRL service units
Gauges: see chapter for measuring devices

PDF CAD
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Order example:
R035-01B

„STANDARD“ PRESSURE REGULATOR

R119

Description High-capacity diaphragm regulator of solid design suitable for many applications. Ideal for installations where constant line pressure at wide flow variations. From size G2 on it is a pilot-operated piston regulator with an excellent regulation characteristic curve.

Media compressed air or non-corrosive gases

Supply pressure max. 21 bar

Air consumption from size G2 on the regulator's air consumption is about 0.1 l/min.

Adjustment by T-handle with locknut
from size G2 on by plastic knob with snap-lock on the pilot regulator
up to size G½ optionally by handwheel for control panel integration

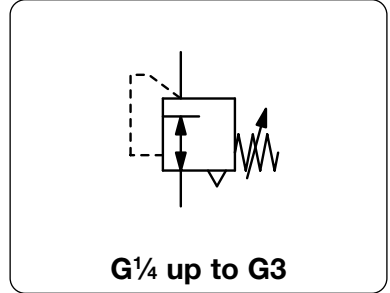
Relieving function relieving, optionally non-relieving

Gauge port G¼ on both sides of the body, screw plugs supplied

Temperature range 0 °C to 50 °C / 32 °F to 122 °F, for appropriately conditioned compressed air down to -30 °C / -22 °F

Material Body: zinc die-cast
Inner valve: brass
Diaphragm: NBR/Buna-N

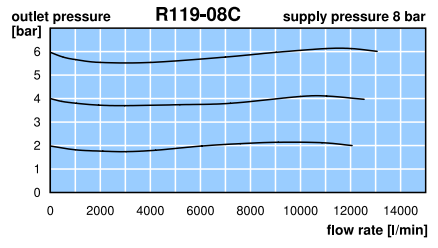
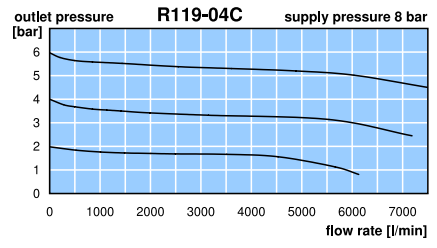
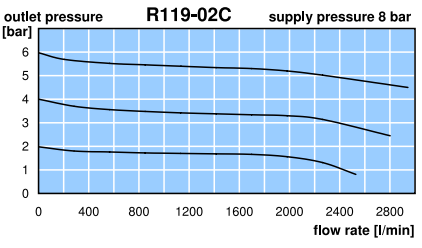
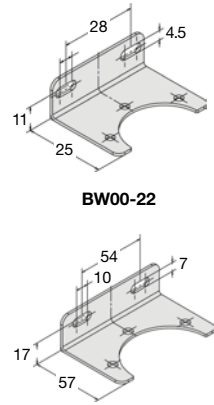
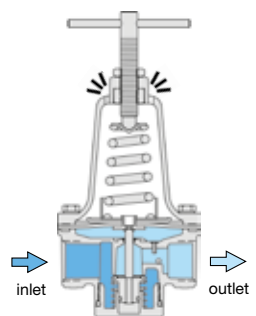
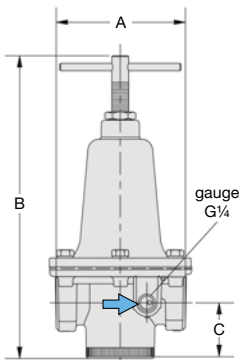
Mounting position any
Bottom screw: reinforced nylon



Standard
2

Dimensions			K _v -value (m³/h)	Flow rate		Connection thread G	Pressure range bar	Order number
A	B	C		m³/h*1	l/min*1			

„Standard“ pressure regulator								supply pressure max. 21 bar, relieving, without pressure gauge	R119
70	157	35	1.5	150	2500	G¼	0.2 ... 1.8	R119-02A	
							0.2 ... 4.0	R119-02B	
							0.3 ... 9.0	R119-02C	
							0.5 ... 17	R119-02D	
70	157	35	1.7	168	2800	G¾	0.2 ... 1.8	R119-03A	
							0.2 ... 4.0	R119-03B	
							0.3 ... 9.0	R119-03C	
							0.5 ... 17	R119-03D	
83	172	38	3.6	360	6000	G½	0.2 ... 1.8	R119-04A	
							0.2 ... 4.0	R119-04B	
							0.3 ... 9.0	R119-04C	
							0.5 ... 17	R119-04D	
113	265	49	5.4	540	9000	G¾	0.3 ... 9.0	R119-06C	
							0.5 ... 17	R119-06D	
113	265	49	6.0	600	10000	G1	0.3 ... 9.0	R119-08C	
							0.5 ... 17	R119-08D	



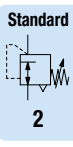
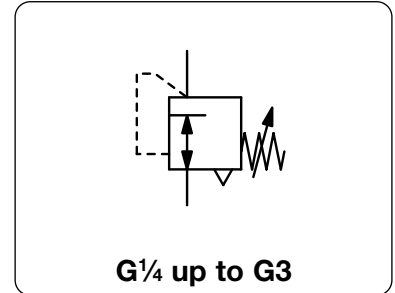
*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

* Product group

PDF CAD
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Order example:
R119-02A

Description	High-capacity diaphragm regulator of solid design suitable for many applications. Ideal for installations where constant line pressure at wide flow variations. From size G2 on it is a pilot-operated piston regulator with an excellent regulation characteristic curve.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 21 bar	
Air consumption	from size G2 on the regulator's air consumption is about 0.1 l/min.	
Adjustment	by T-handle with locknut from size G2 on by plastic knob with snap-lock on the pilot regulator up to size G½ optionally by handwheel for control panel integration	
Relieving function	relieving, optionally non-relieving	
Gauge port	G¼ on both sides of the body, screw plugs supplied	Mounting position any
Temperature range	0 °C to 50 °C / 32 °F to 122 °F, for appropriately conditioned compressed air down to -30 °C / -22 °F	
Material	Body: zinc die-cast Diaphragm: NBR/Buna-N	Inner valve: brass Bottom screw: reinforced nylon



Dimensions			K _v -value (m³/h)	Flow rate m³/h*1 l/min*1	Connection thread G	Pressure range bar	Order number
A	B	C					
mm	mm	mm					A*

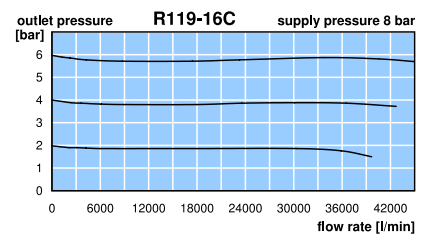
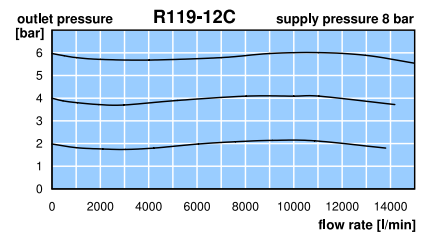
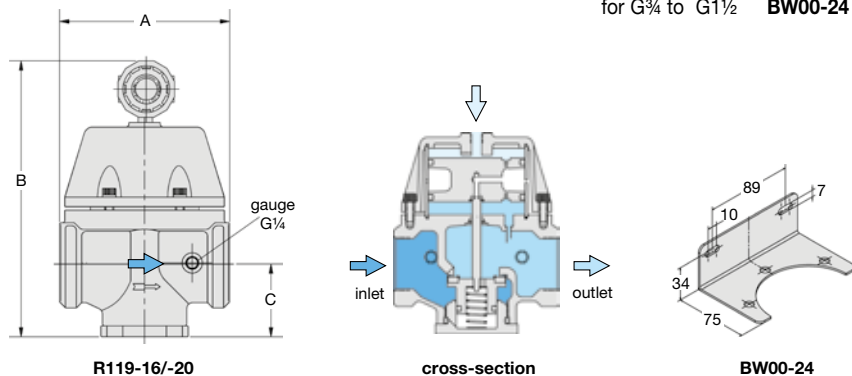
„Standard“ pressure regulator							supply pressure max. 21 bar, relieving, without pressure gauge	R119
126	275	48	6.6	660	11 000	G1¼*3	0.3... 9.0 0.5... 17	R119-10C R119-10D
126	275	48	7.2	720	12 000	G1½	0.3... 9.0 0.5... 17	R119-12C R119-12D
186	300	79	35.4	2520	42 000	G2	0.2... 1.8 0.2... 4.0 0.3... 9.0 0.5... 17	R119-16A R119-16B R119-16C R119-16D
186	300	79	37.1	2640	44 000	G2½	0.2... 1.8 0.2... 4.0 0.3... 9.0 0.5... 17	R119-20A R119-20B R119-20C R119-20D
214	360	95	56.0	6600	110 000	G3	0.2... 1.8 0.2... 4.0 0.3... 9.0 0.5... 17	R119-24A R119-24B R119-24C R119-24D



Special options, add the appropriate letter		
NPT	connection thread	R119-... N
non-relieving	without relieving function	R119-... K
FKM elastomer		R119-... X64
panel mounting	with handwheel, hole diameter 16 mm	R119-... P
flange connection	see chapter SST devices / flanges	R119-... F
PWIS-free	for painting plants	R119-... LA

Accessories, enclosed **B***

pressure gauge	Ø 50 mm, 0...*2 bar, G¼	for G¼ to G½	MA5002-...*2
	Ø 63 mm, 0...*2 bar, G¼	for G¾ to G2½	MA6302-...*2
mounting bracket	made of steel	for G¼ and G¾	BW00-22
		for G½	BW00-23
		for G¾ to G1½	BW00-24

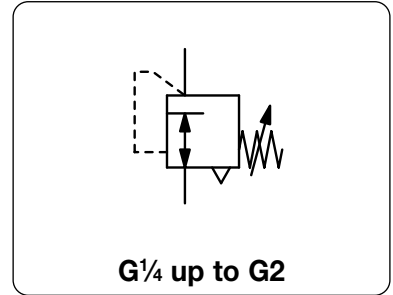


*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
 *2 02 = 0...2.5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar
 *3 reduced by the next larger pressure regulator

PRESSURE REGULATOR SERIES „D“ UP TO 30 BAR

RD1...RD4

Description	Good value pressure regulator of solid design. RD1 and RD3 are equipped with diaphragms, RD4 is piston-operated. Wall mounting through two drilled holes in the bodies of RD1 to RD3.
Media	compressed air or non-corrosive gases
Supply pressure	max. 30 bar
Adjustment	RD1/RD2: by plastic knob with snap-lock RD3: by handwheel RD4: by T-handle
Relieving function	relieving, optionally non-relieving
Gauge port	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{8}$ at RD1
Mounting position	any
Temperature range	-10 °C to 50 °C / 14 °F to 122 °F for RD1, RD2 and RD4 -20 °C to 60 °C / -4 °F to 140 °F for RD3
Material	Body: aluminium Spring cage: plastic reinforced with glass fibre at RD1, nylon at RD2, aluminium at RD3/RD4 Elastomer: NBR/Buna-N Inner valve: brass at RD1/RD2 brass/aluminium at RD3/RD4



Standard

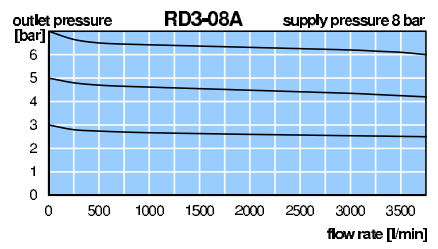
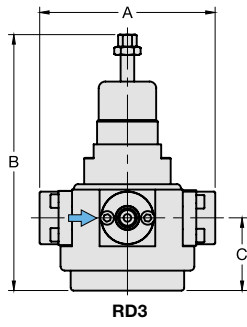
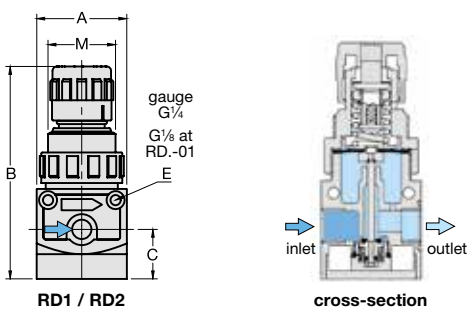
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Dimensions			K _v -value	Flow rate	P ₁ max.	Connection thread	Pressure range	Order number
A	B	C						
mm	mm	mm	(m ³ /h)	m ³ /h*1	l/min*1	G	bar	

Pressure regulator series „D“							supply pressure max. 20 / 30 bar, relieving, without pressure gauge	RD1...RD4	
40	95	22	0.6	27	450	20	G $\frac{1}{8}$	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD1-01A RD1-01B RD1-01D RD1-01E
40	95	22	0.6	27	450	20	G $\frac{1}{4}$	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD1-02A RD1-02B RD1-02D RD1-02E
64	151	48	3.0	108	1800	20	G $\frac{3}{8}$	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD2-03A RD2-03B RD2-03D RD2-03E
64	151	48	3.50	108	1800	20	G $\frac{1}{2}$	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD2-04A RD2-04B RD2-04D RD2-04E
130	190	54	8.4	195	3250	30	G $\frac{3}{4}$	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD3-06A RD3-06B RD3-06D RD3-06E
130	190	54	8.4	195	3250	30	G1	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD3-08A RD3-08B RD3-08D RD3-08E
241	190	54	8.4	195	3250	30	G1 $\frac{1}{4}$	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD3-10A RD3-10B RD3-10D RD3-10E
241	190	54	8.4	195	3250	30	G1 $\frac{1}{2}$	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD3-1AA RD3-1AB RD3-1AD RD3-1AE



series	D	Ø E	M
RD1	30	4.5	M30x1,5
RD2	51	5.5	M50x1,5
RD3	76	6.5	-
RD4	76	8.5	-



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar

* Product group

Gauges: see chapter for measuring devices

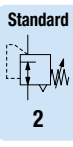
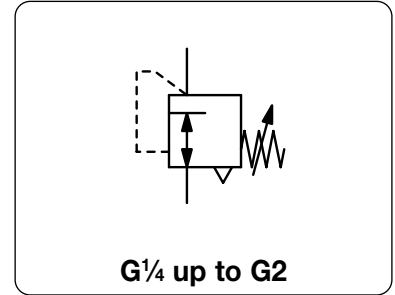
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Order example:
RD1-01A

PRESSURE REGULATOR SERIES "D" UP TO 30 BAR

RD1...RD4

Description	Good value pressure regulator of solid design. RD1 and RD3 are equipped with diaphragms, RD4 is piston-operated. Wall mounting through two drilled holes in the bodies of RD1 to RD3.
Media	compressed air or non-corrosive gases
Supply pressure	max. 30 bar
Adjustment	RD1/RD2: by plastic knob with snap-lock RD3: by handwheel RD4: by T-handle
Relieving function	relieving, optionally non-relieving
Gauge port	G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{8}$ at RD1
Mounting position	any
Temperature range	-10 °C to 50 °C / 14 °F to 122 °F for RD1, RD2 and RD4 -20 °C to 60 °C / -4 °F to 140 °F for RD3
Material	Body: aluminium Spring cage: plastic reinforced with glass fibre at RD1, nylon at RD2, aluminium at RD3/RD4 Inner valve: brass at RD1/RD2, brass/aluminium at RD3/RD4
Elastomer:	NBR/Buna-N



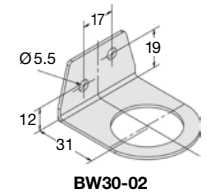
Dimensions			K _v -value	Flow rate	P ₁ max.	Connection thread	Pressure range	Order number
A	B	C						
mm	mm	mm	(m ³ /h)	m ³ /h*1	l/min*1	bar	G	bar

Pressure regulator series „D“									supply pressure max. 20 / 30 bar, relieving, without pressure gauge	RD1...RD4
192	399	128	25.0	1320	22 000	30	G1 $\frac{1}{2}$	0.2...1.5		RD4-12A
								0.3...3.0		RD4-12B
								0.5...8.0		RD4-12D
								1.5... 15		RD4-12E
192	399	128	25.0	1320	22 000	30	G2	0.2...1.5		RD4-16A
								0.3...3.0		RD4-16B
								0.5...8.0		RD4-16D
								1.5... 15		RD4-16E



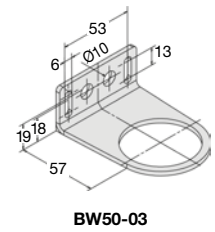
Special options, add the appropriate letter

non-relieving	without relieving function	RD K
30 bar operating pressure		RD H

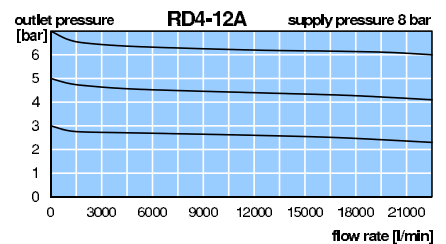
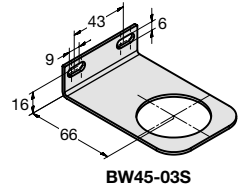
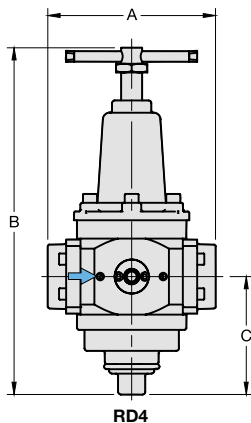


Accessories, enclosed

pressure gauge	Ø 40 mm, 0...*2 bar, G $\frac{1}{8}$	for RD1	MA4001-..*2
	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for RD2	MA5002-..*2
	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for RD3 and RD4	MA6302-..*2
mounting bracket	made of steel	for RD1	BW30-02
mounting nut	made of plastic	for RD1	M30x1,5K
mounting bracket	made of steel	for RD2	BW50-03
mounting nut	made of plastic	for RD2	M50x1,5K
mounting bracket	made of stainless steel	for RD3	BW45-03S
mounting nut	made of stainless steel	for RD3	BW45-03S



series	D	Ø E	M
RD1	30	4.5	M30x1,5
RD2	51	5.5	M50x1,5
RD3	76	6.5	-
RD4	76	8.5	-



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar

* Product group

Gauges: see chapter for measuring devices

PDF CAD
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Order example:
RD4-12A

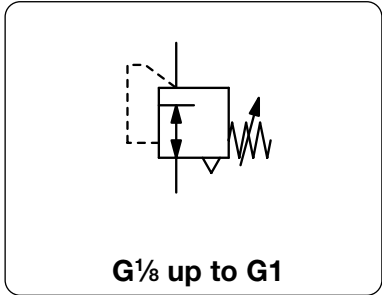
RB/R036



LOCKABLE PRESSURE REGULATOR

RS

Description	Pressure regulator with diaphragm of solid design lockable with key, cylinder lock of brass		
Media	compressed air or non-corrosive gases		
Supply pressure	max. 16 bar		
Air consumption	no air consumption		
Adjustment	by beaded, cylindrically handwheel		
Relieving function	relieving		
Gauge port	G $\frac{1}{8}$ on both sides of the body		
Mounting position	any		
Temperature range	-10°C to 60°C / 14°F to 140°F		
Material	Body: zinc die-cast	Diaphragm: NBR/Buna-N and brass	
	Lock cylinder: brass	Bottom screw: POM	
	Spring cage: POM and brass	O-ring: NBR/Buna-N	
	Adjusting spring: steel zinc-plated	Return spring: stainless steel	



Standard
2

Dimension			K _v -value	Flow-rate	Connection thread	Pressure range	Order Number
A	B	C					
mm	mm	mm	m ³ /h	m ³ /h*1	l/min*1	G	bar

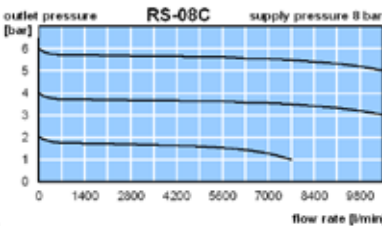
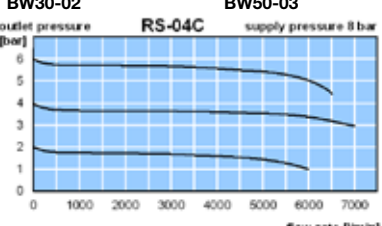
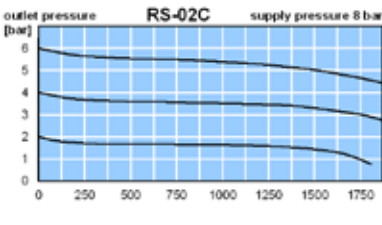
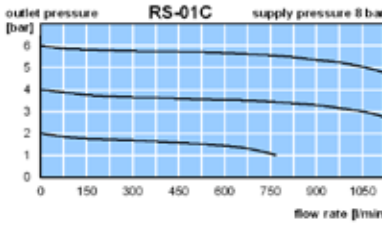
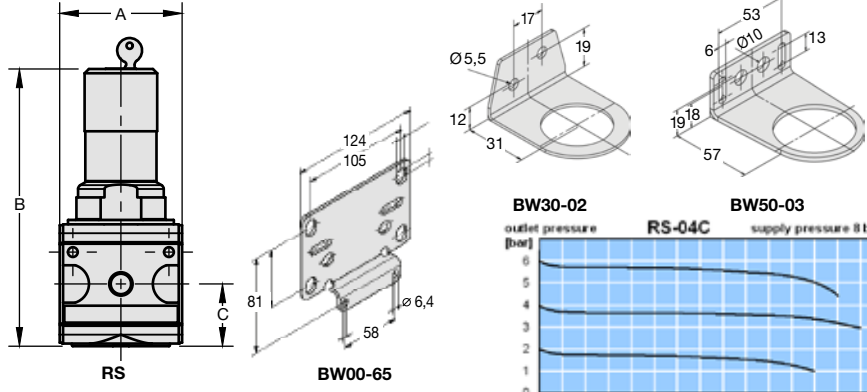
Lockable pressure regulator							supply pressure max. 16 bar, NBR elastomer for compressed air and neutral gases	RS
40	113	22	1,2	60	1000	G $\frac{1}{8}$	0,1 ... 3 0,2 ... 6 0,5 ... 10	RS-01A RS-01B RS-01C
48	123	27	1,4	90	1500	G $\frac{1}{4}$	0,1 ... 3 0,2 ... 6 0,5 ... 10 0,5 ... 16	RS-02A RS-02B RS-02C RS-02D
69	156	35	5,2	360	6000	G $\frac{1}{2}$	0,1 ... 3 0,2 ... 6 0,5 ... 10 0,5 ... 10	RS-04A RS-04B RS-04C RS-04D
100	209	52	6,1	600	10000	G1	0,1 ... 3 0,2 ... 6 0,5 ... 10 0,5 ... 10	RS-08A RS-08B RS-08C RS-08D



Special options, add the appropriate letter
 up to -40°C low temperature version RS-0...X51
 FKM elastomer RS-0...V

Accessories, enclosed B*

pressure gauge	Ø 40 mm, 0... ^{*2} bar	G $\frac{1}{8}$	for G $\frac{1}{8}$	MA4001-...^{*2}
	Ø 50 mm, 0... ^{*2} bar	G $\frac{1}{4}$	for G $\frac{1}{4}$ and G $\frac{1}{2}$	MA5002-...^{*2}
	Ø 63 mm, 0... ^{*2} bar	G $\frac{1}{4}$	for G1	MA6302-...^{*2}
mounting nut	made of plastic		for G $\frac{1}{8}$ and G $\frac{1}{4}$	M30x1,5K
	made of aluminium		for G $\frac{1}{8}$ and G $\frac{1}{4}$	M30x1,5A
	made of plastic		G $\frac{1}{2}$	M50x1,5K
mounting bracket	made of steel		for G $\frac{1}{8}$ and G $\frac{1}{4}$	BW30-02
			for G $\frac{1}{2}$	BW50-03
			for G1	BW00-65



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
 *2 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar

Gauges: see chapter for measuring devices

PDF CAD
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* Product group
 Order example: RS-01A

270° ADJUSTMENT DIAL PRESSURE REGULATOR, LOCKABLE

R11...R41

Description Piston-operated regulator with balanced valve design and high-relief flow. Features include a transparent pressure-calibrated, non-rising adjusting dial which can be mounted in any position so the dial face is always visible. Pressure setting in steps is possible.

Media compressed air

Supply pressure max. 21 bar, minimum 1 bar above outlet pressure

Air consumption R21/R31/R41: max. 1.4 l/min depending on outlet pressure R11: without constant bleed

Adjustment The full secondary pressure range can be dialed in less than a 270° turn proportional to handwheel with scale in bar or psi. This is advantageous if secondary pressure must be changed frequently.

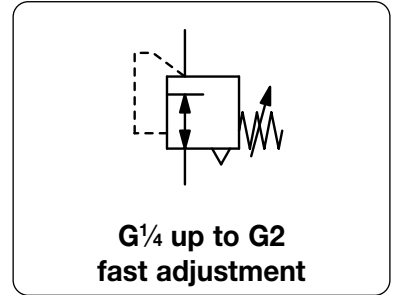
Relieving function relieving

Gauge port G $\frac{1}{4}$ on both sides of the body, not available at R11

Mounting position any

Temperature range 0 °C to 65 °C / 32 °F to 149 °F

Material Body: zinc die-cast
Piston: acetal
Valve seat: acetal, brass and NBR/Buna-N
O-ring: NBR/Buna-N



Dimensions			K _v -value (m ³ /h)	Flow rate		Connection thread G	Pressure range bar	Order number
A mm	B mm	C mm		m ³ /h*1	l/min*1			

Adjustment dial regulator								supply pressure max. 21 bar, relieving, with constant bleed, adjusting dial 270° turn wheel	R11...R41
66	71	10	0.02	1.2	20	G $\frac{1}{4}$	0... 3		R11-C2-L R11-C2-O
81	104	24	2.5	180	3000	G $\frac{1}{4}$	0... 3		R21-C2-L R21-C2-O
81	104	24	3.8	270	4500	G $\frac{3}{8}$	0... 3		R21-C3-L R21-C3-O
81	104	43	4.2	300	5000	G $\frac{1}{2}$	0... 3		R21-C4-L R21-C4-O
109	132	43	6.8	480	8000	G $\frac{3}{4}$	0... 3		R31-C6-L R31-C6-O
109	132	43	7.6	540	9000	G1	0... 3		R31-C8-L R31-C8-O
135	173	71	18.5	1320	22000	G1 $\frac{1}{2}$	0... 3		R41-CB-L R41-CB-O
135	173	71	20.0	1440	24000	G2	0... 3		R41-CC-L R41-CC-O

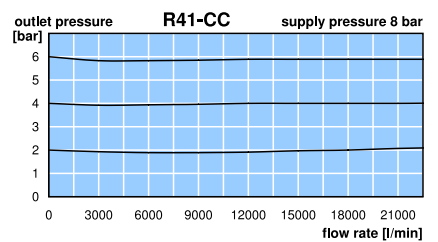
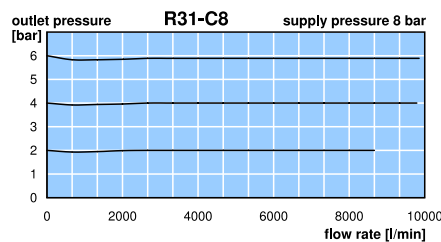
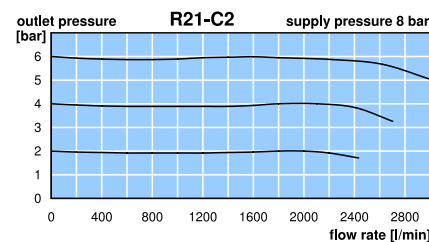
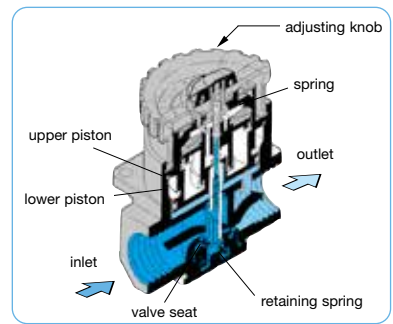
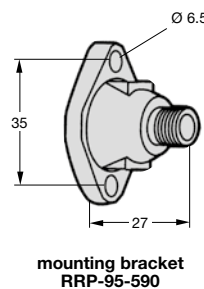
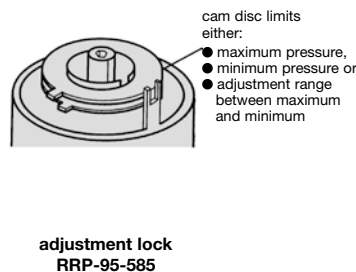
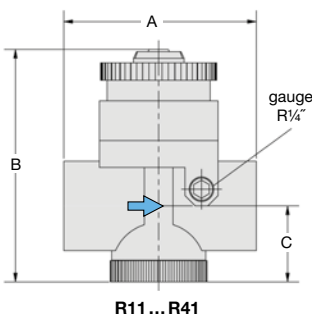


Special options, add the appropriate letter

adjustment lock RRP-95-585 R. 1-C . . T

Accessories, enclosed

pressure gauge Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$ for R21 to R41 MA5002-..*2
mounting bracket mounting through the gauge port at the back for R21 to R41 RRP-95-590



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 04 = 0...4 bar, 16 = 0...16 bar

* Product group

Gauges: see chapter for measuring devices

PDF CAD
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Order example:
R11-C2-L