

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. compressed air or non-corrosive gases

Media max. 30 bar

Supply pressure RD1/RD2: see chart, by plastic knob with snap-lock

Adjustment RD3: by handwheel
RD4: by T-handle

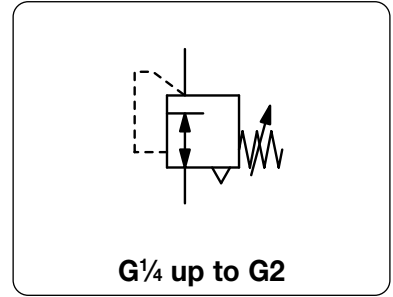
Relieving function relieving, optionally non-relieving

Gauge port G $\frac{1}{4}$ on both sides of the body, G $\frac{1}{2}$ at RD1

Mounting position any

Temperature range -10 °C to 50 °C / 14 °F to 122 °F, by RD1 and RD2
-20 °C to 60 °C / -4 °F to 140 °F, by RD3
-20 °C to 80 °C / -4 °F to 176 °F, by RD4

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

2

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	A*

Pressure regulator								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	3.0	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



RD1

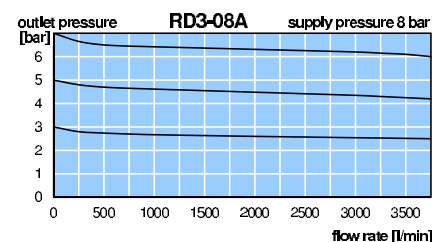
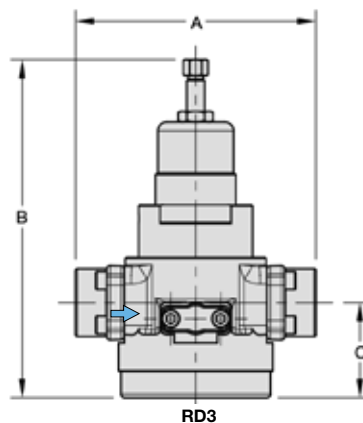
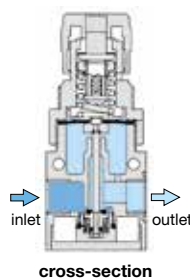
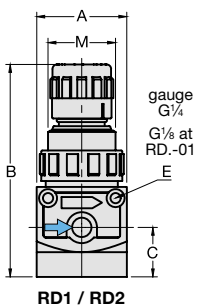


RD2



RD3-06/-08

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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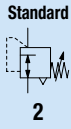
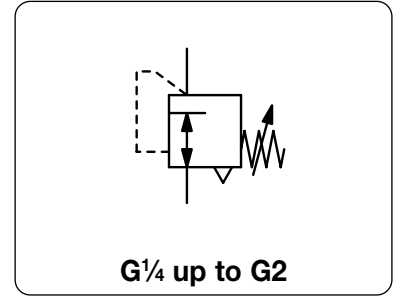


Order example:
RD1-01A

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: see chart, 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, by RD1 and RD2 -20 °C to 60 °C / -4 °F to 140 °F, by RD3 -20 °C to 80 °C / -4 °F to 176 °F, by RD4
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

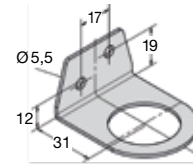


Dimensions			K _v -value	Flow rate	P ₁ max.	Connection thread	Pressure range	Order number
A	B	C						
mm	mm	mm	(m ³ /h)	m ³ /h*1	l/min*1	bar	G	bar

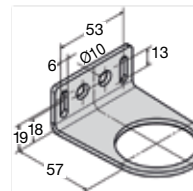
Pressure regulator								supply pressure 30 bar, relieving, without pressure gauge	RD1...RD4
174	386	122	25.0	1380	23 000	30	G $\frac{1}{2}$	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD4-12A RD4-12B RD4-12D RD4-12E
174	386	122	25.0	1380	23 000	30	G2	0.2...1.5 0.3...3.0 0.5...8.0 1.5... 15	RD4-16A RD4-16B RD4-16D RD4-16E



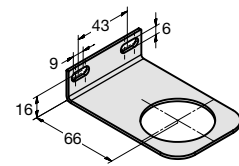
RD4
accessory: gauge



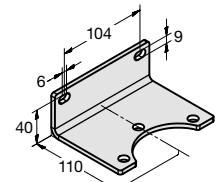
BW30-02



BW50-03



BW45-03S



BW00-68S

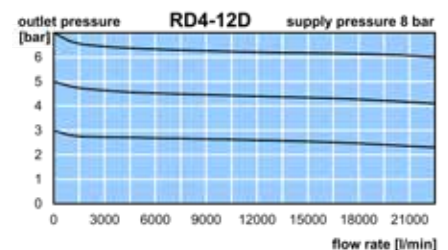
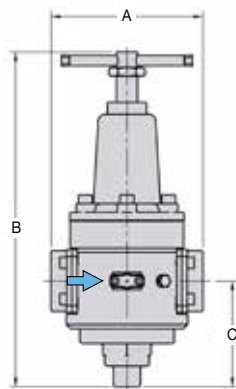
Special options, add the appropriate letter

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	M45X-1,5S
mounting bracket	made of stainless steel	for RD4	BW00-68S

series	D	Ø E	M
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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