

Low Pressure Regulators

	Description	Supply pressure max. bar	Pressure range mbar	Connection thread	Device	Page
standard	also for propane and other gases	16	factory-set 50	G $\frac{1}{4}$ - G $\frac{1}{2}$	R01	3.02
	miniature, manually adjustable	16	25 ... 50 / 1400	G $\frac{1}{4}$ and G $\frac{3}{8}$	R01-5/-6	3.03
	miniature	10	20 ... 1500 / 500	G $\frac{1}{2}$ - G $\frac{3}{4}$	R01-2/-4	3.03
	for oil	10	preset 100 / 2500	G $\frac{1}{4}$ and G $\frac{3}{8}$	RL13	3.03
	for many different gases	0.4	2 ... 16 / 160	G $\frac{1}{2}$ - G2	RGDJ	3.04
	for many different gases	4	5 ... 12 / 350	G $\frac{1}{2}$ - G1 $\frac{1}{2}$	RGB4	3.05
	for many different gases	20	10 ... 18 / 4400	G1 - flange DN50	RZ	3.06
precise	for many different gases	6	5 ... 45 / 6000	G $\frac{1}{2}$ - G2	R160	3.07
	for pure gases 5.0	20	5 ... 50 / 1500	G $\frac{1}{2}$	RR	3.08
standard	relieving	10	2 ... 45 / 350	G $\frac{3}{8}$ - G $\frac{3}{4}$	R4100	3.09
	extremely small, low cost	0.1	2.5 ... 9 / 30	G $\frac{1}{8}$ - G $\frac{3}{8}$	R12	3.10



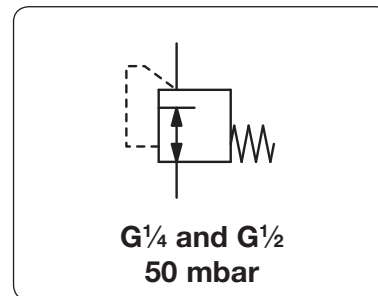
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Low Pressure Regulators

Low Pressure Regulator with Factory-Set Outlet Pressure of 50 mbar

R01

Description	Low pressure regulator with factory-set outlet pressure of 50 mbar and an integrated safety valve, thus not for gas pressure regulation in closed rooms.	
Media	compressed air, propane, butane or other non-corrosive gases	
Supply pressure	max. 16 bar at R01-415, R01-310/-405/-406,	max. 2.5 bar bei R01-319/-407/-604/-641
Accuracy	at max. supply pressure and flow: at max. supply pressure without flow: at min. supply pressure and flow:	< 15 % FS pressure deviation < 25 % FS pressure deviation < 5 % FS pressure deviation
Air consumption	without constant bleed	
Relieving function	non-relieving	
Gauge port	G $\frac{1}{4}$ on one side of the body, except on R01-319/-415	
Mounting position	any	
Temperature range	-20 °C to 60 °C / -4 °F to 140 °F	
Material	Body: zinc die-cast, chrome-plated Elastomer: NBR/Buna-N	Inner valve: brass



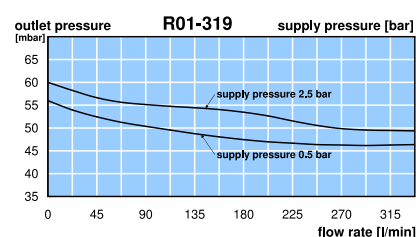
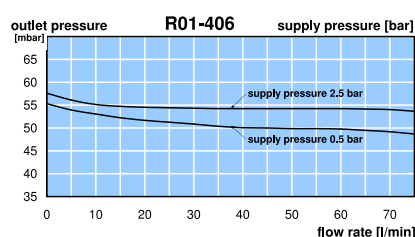
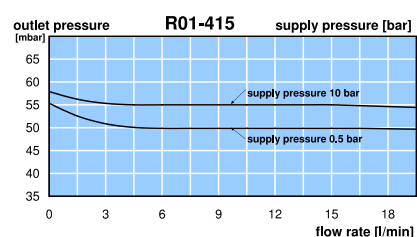
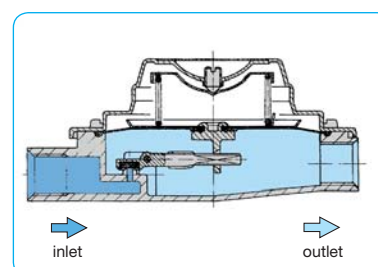
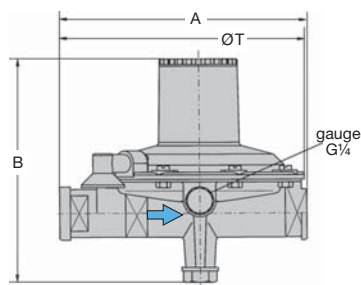
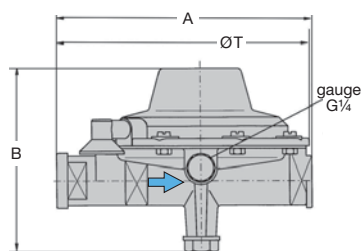
Dimensions			Flow rate		Supply pressure	Connection	Outlet pressure	Order number
A	B	ØT	m ³ /h	l/min	max. bar	G	mbar	

Low pressure regulator								
supply pressure max. 2.5 / 16 bar, non-relieving, 50 mbar factory-set							R01	
100	44	86	1.2	20	16	G $\frac{1}{4}$	50	R01-415
138	92	118	3.0	50	2.5	G $\frac{1}{2}$	50	R01-604
138	92	118	4.8	80	2.5	G $\frac{1}{2}$	50	R01-407
138	117	118	9.6	160	2.5	G $\frac{1}{2}$	50	R01-641
160	133	145	19.8	330	2.5	G $\frac{1}{2}$	50	R01-319
138	92	118	3.0	50	16	G $\frac{1}{2}$	50	R01-405
138	92	118	4.8	80	16	G $\frac{1}{2}$	50	R01-406



Accessory

pressure gauge Ø 63 mm, 0...60 mbar, G $\frac{1}{4}$ not for R01-319/-415 MA6302-B6

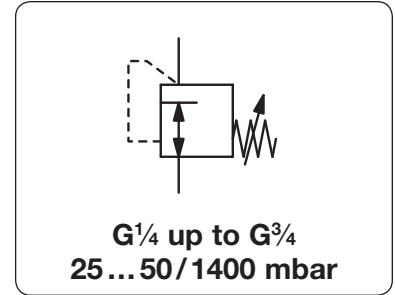


Gauges: see chapter for measuring devices

PDF CAD
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Order example:
R01-415

Description	Hand-operated, spring-loaded low pressure regulator with diaphragm and integrated safety valve, thus not suitable for gas pressure regulation in closed rooms.		
Media	compressed air, propane, butane or other non-corrosive gases as well as oil		
Supply pressure	max. 16 bar at R01-5/-6,	max. 10 bar at R01-2/-3/-4 and RL13-5,	max. 6 bar at RL13-0
Accuracy	at min. supply pressure and flow: < 5% FS pressure deviation at max. supply pressure and flow: < 15% FS pressure deviation at max. supply pressure without flow: < 25% FS pressure deviation		
Air consumption	without constant bleed		
Mounting position	any		
Adjustment	RL13-0:	no individual settings	
	R01-5/-6:	by adjusting knob a. dial enabling eleven settings for different outlet pressures	
	R01-2/-3/-4 and RL13-5:	by T-handle with locknut	
Relieving function	non-relieving		
Gauge port	G $\frac{1}{4}$ on one side of the body, except on R01-5/-6 and RL13-0		
Temperature range	-20 °C to 60 °C / -4 °F to 140 °F		
Material	Body: zinc die-cast	Elastomer: NBR/Buna-N	Inner valve: brass



Dimensions			Flow rate	Supply pressure	Connection thread	Pressure range	Order number
A	B	ØT					

Low pressure regulator			supply pressure max. 16 bar, non-relieving, without gauge port		R01-5/-6		
100	68	68	13	2.5	G $\frac{1}{4}$	25... 50	R01-524-00
100	68	68	7	6.0	G $\frac{1}{4}$	20... 200	R01-524-05
100	68	68	26	6.0	G $\frac{1}{4}$	70... 200	R01-522-01
100	68	68	50	2.5	G $\frac{1}{4}$	30... 200	R01-524-06
100	68	68	7	2.5	G $\frac{1}{4}$	20... 1400	R01-524-08
103	50	83	40	6.0	G $\frac{3}{8}$ *1	350... 1400	R01-626
103	50	83	140	6.0	G $\frac{3}{8}$ *1	350... 1400	R01-627



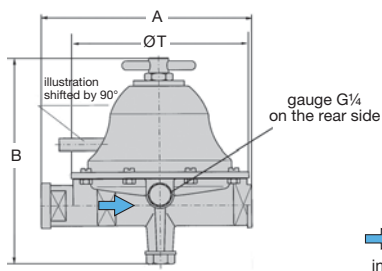
Low pressure regulator			supply pressure max. 10 bar, non-relieving		R01-2/-3/-4		
138	127	117	140	2.5	G $\frac{1}{2}$	20... 150	R01-411-01
138	127	117	140	2.5	G $\frac{1}{2}$	20... 500	R01-211
160	136	145	280	2.5	G $\frac{3}{4}$ *2	50... 500	R01-321



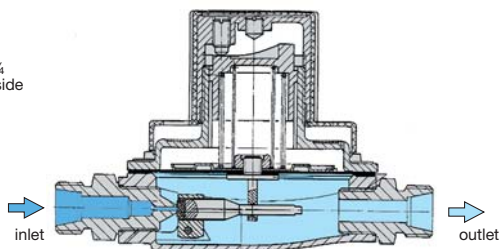
Oil pressure regulator			supply pressure max. 6/10 bar, non-relieving		RL13		
65	32	59	0.3	max. 6	G $\frac{1}{4}$	preset 100	RL13-001
65	70	68	3.0	max. 10	G $\frac{3}{8}$ *1	0... 2500	RL13-504



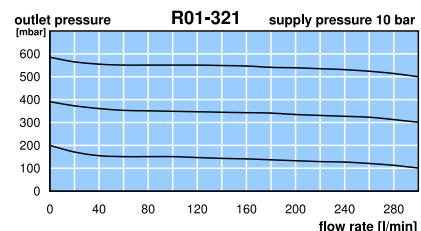
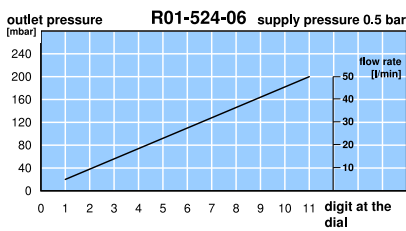
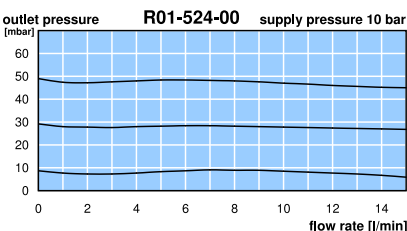
Accessory							
pressure gauge	Ø 50 mm, 0... 4 bar,	G $\frac{1}{4}$, Bourdon tube	for RL13-504	MA5002-04			
	Ø 63 mm, 0... 250 mbar,	G $\frac{1}{4}$, capsule type	for R01-411-01	MA6302-C3			
	Ø 63 mm, 0... 0.6 bar,	G $\frac{1}{4}$, Bourdon tube	for R01-2/-3	MA6302-C6			



R01-211 / -321 / -411

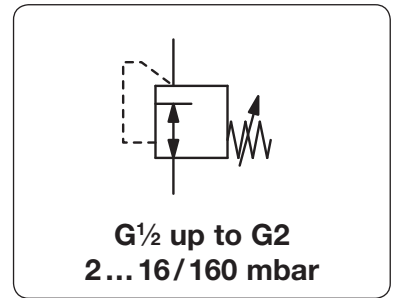


cross section



*1 G $\frac{1}{4}$ on the input side *2 G $\frac{1}{2}$ on the input side

Description	Highly sensitive low pressure regulator with inlet pressure compensation for high precision regulation. Zero shut-off prevents outlet pressure from increasing.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 400 mbar	
Air consumption	without constant bleed	
Adjustment	manual by turning the spindle under the cover of the spring cage	
Relieving function	non-relieving	
Accuracy	at maximum volume flow: < 20% FS pressure deviation	
Gauge port	none as standard, optionally gauge port G $\frac{1}{4}$ on one side from size G $\frac{3}{4}$ on any	
Mounting position	any	
Temperature range	-20 °C to 70 °C / -4 °F to 158 °F	
Material	Body: aluminium Elastomer: NBR/Buna-N	Inner valve: aluminium and plastic



Dimensions			Nominal size	Kv value	Flow rate		Connection thread	Pressure range	Order number
A	B	C	DN	(m ³ /h)	m ³ /h*1	l/min*1	G	mbar	

Low pressure regulator									
supply pressure max. 400 mbar, non-relieving									
RGDJ									
100	120	30	15	0.66	12	200	G $\frac{1}{2}$	2... 16	RGDJ-04A
								10... 20	RGDJ-04B
								16... 28	RGDJ-04C
								22... 40	RGDJ-04D
								40... 55	RGDJ-04E
134	166	34	20	1.49	27	450	G $\frac{3}{4}$	5... 15	RGDJ-06A
								12... 25	RGDJ-06B
								22... 35	RGDJ-06C
								25... 75	RGDJ-06F
								70...100	RGDJ-06H
								90...160	RGDJ-06K
134	166	34	25	2.6	51	850	G1	5... 15	RGDJ-08A
								12... 25	RGDJ-08B
								22... 35	RGDJ-08C
								25... 75	RGDJ-08F
								70...100	RGDJ-08H
								90...160	RGDJ-08K
185	194	45	40	4.9	90	1500	G1 $\frac{1}{2}$	5... 15	RGDJ-12A
								12... 25	RGDJ-12B
								22... 35	RGDJ-12C
								25... 75	RGDJ-12F
								70...100	RGDJ-12H
								90...160	RGDJ-12K
234	219	52	50	6.6	120	2000	G2	5... 15	RGDJ-16A
								12... 25	RGDJ-16B
								22... 35	RGDJ-16C
								25... 75	RGDJ-16F
								70...100	RGDJ-16H

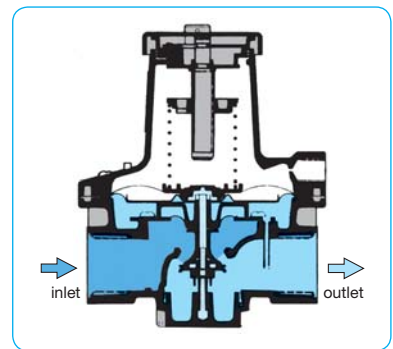
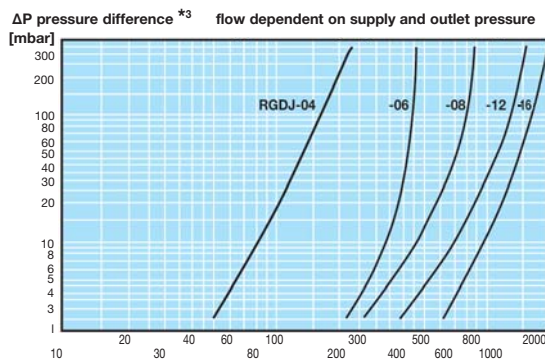
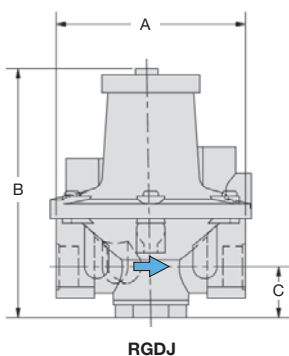


Special options, add the appropriate letter

connection thread G $\frac{1}{4}$ for pressure gauge not for G $\frac{1}{2}$ RGDJ-...M

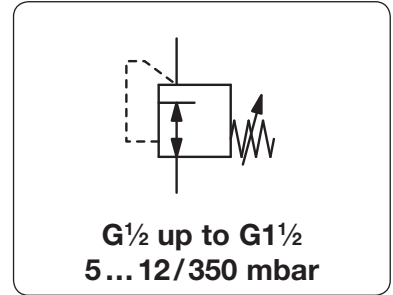
Accessory

pressure gauge \varnothing 63 mm, 0...*2 mbar, G $\frac{1}{4}$ from G $\frac{3}{4}$ MA6302-..*2



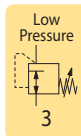
*1 at 350 mbar supply pressure and 100 mbar outlet pressure
*2 B6 = 0...60 mbar, C2 = 0...160 mbar

Description	Highly sensitive low pressure regulator with inlet pressure compensation for high precision regulation. Zero shut-off prevents outlet pressure from increasing.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 4 bar	
Air consumption	without constant bleed	
Adjustment	manual by turning the spindle under the cover of the spring cage	
Relieving function	non-relieving	
Accuracy	max. 20% pressure drop at full flow	
Gauge port	none as standard, optionally gauge port G $\frac{1}{4}$ on one side at G $\frac{1}{2}$ and G1, standardly G $\frac{1}{4}$ at G1 $\frac{1}{2}$	
Mounting position	any	
Temperature range	-15 °C to 60 °C / 5 °F to 140 °F	
Material	Body: aluminium	Inner valve: aluminium and plastic
	Elastomer: NBR/Buna-N	



Dimensions			Nominal size	Kv-value	Flow rate		Connection thread	Pressure range	Order number
A	B	C	DN	(m ³ /h)	m ³ /h*1	l/min*1	G	mbar	

Low pressure regulator									supply pressure max. 4 bar, non-relieving	RGB4
132	174	24	15	0.62	42	700	G $\frac{1}{2}$	5 ... 12	10 ... 30	RGB4-04A
								25 ... 45	40 ... 60	RGB4-04C
								55 ... 75	70 ... 90	RGB4-04D
								85 ... 105	100 ... 160	RGB4-04E
								150 ... 230	220 ... 350	RGB4-04F
										RGB4-04G
										RGB4-04H
										RGB4-04I
										RGB4-04K
										RGB4-04L
190	230	33	25	2.5	168	2800	G1	5 ... 12	10 ... 30	RGB4-08A
								25 ... 45	40 ... 60	RGB4-08C
								55 ... 75	70 ... 90	RGB4-08D
								85 ... 105	100 ... 160	RGB4-08E
								150 ... 230	220 ... 350	RGB4-08F
										RGB4-08G
										RGB4-08H
										RGB4-08I
										RGB4-08K
										RGB4-08L
190	265	55	40	5	336	5600	G1 $\frac{1}{2}$	5 ... 12	10 ... 30	RGB4-12A
								25 ... 45	40 ... 60	RGB4-12C
								55 ... 75	70 ... 90	RGB4-12D
								85 ... 105	100 ... 160	RGB4-12E
								150 ... 230	220 ... 350	RGB4-12F
										RGB4-12G
										RGB4-12H
										RGB4-12I
										RGB4-12K
										RGB4-12L

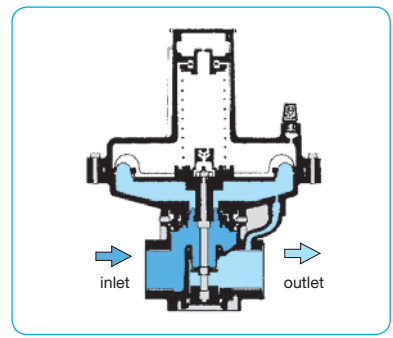
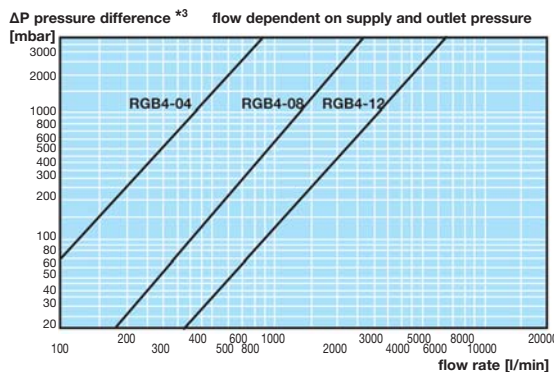
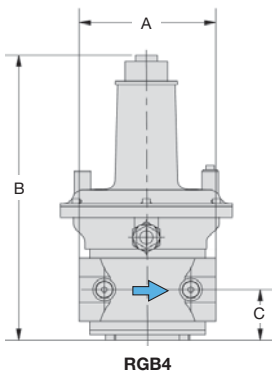


Special options, add the appropriate letter

connection thread G $\frac{1}{4}$ for pressure gauge for G $\frac{1}{2}$ and G1 RGB4-...M

Accessory

pressure gauge Ø 63 mm, 0...*2 mbar, G $\frac{1}{4}$ MA6302-..*2



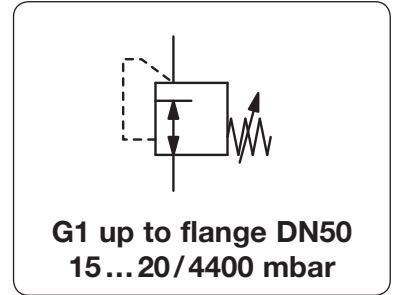
*1 at 4 bar supply pressure and 100 mbar outlet pressure
*2 B6 = 0...60 mbar, C2 = 0...160 mbar, C3 = 0...250 mbar, C4 = 0...400 mbar
*3 ΔP = P₁ - P₂ difference between supply and outlet pressure

Gauges: see chapter for measuring devices

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Order example:
RGB4-04A

Description	Highly sensitive diaphragm pressure regulator.	
Media	compressed air or non-corrosive gases	
Supply pressure	max. 20 bar depending on the accuracy range	AR: the smaller P ₁ the higher the accuracy
	max. 10 bar at pressure range < 120 mbar	
Accuracy	at maximum volume flow	< e.g. 10% FS pressure deviation
Air consumption	without constant bleed	
Adjustment	manual by turning the spindle under the cover of the spring cage	
Relieving function	relieving, optionally non-relieving	
Relief capacity	Can be adjusted independently of outlet pressure. On non-relieving designs: blocked exhaust valve.	
Gauge port	not available	
Temperature range	-20 °C to 60 °C / -4 °F to 140 °F	
Material	Body: SG cast iron GGG50, GGG40 at G2	Elastomer: NBR/Buna-N, optionally FKM
	Spring cage: aluminium	Inner valve: brass and stainless steel



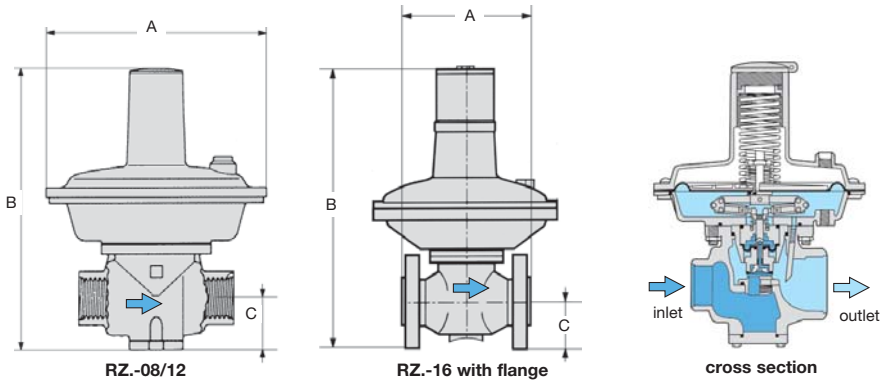
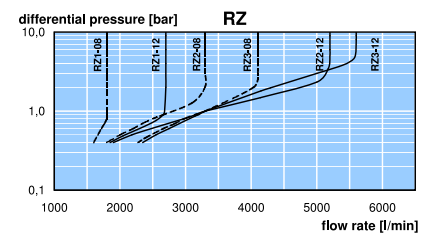
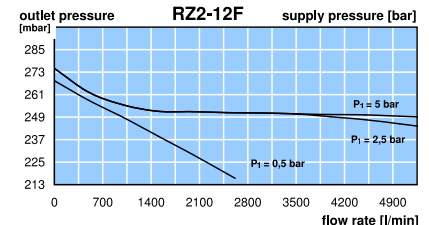
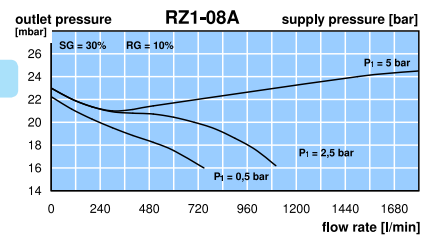
Dimensions			Accuracy	Nominal size	Flow rate	Supply max.	Connection thread	Pressure range	Order number
A	B	C	%	DN	l/min*1	bar*2	G	mbar	

Low pressure regulator with spring																	
supply pressure max. 20 bar, non-relieving																	
185	245	30	10	17	1800	10	G1	15 ... 20	RZ1-08A								
								20 ... 30	RZ1-08B								
								30 ... 40	RZ1-08C								
								40 ... 70	RZ1-08D								
								70 ... 110	RZ1-08E								
								110 ... 180	RZ2-08F								
								180 ... 300	RZ2-08G								
								300 ... 700	RZ3-08H								
185	245	30	10	17	2700	10	G1½*3	15 ... 20	RZ1-12A								
								20 ... 30	RZ1-12B								
								30 ... 40	RZ1-12C								
								40 ... 70	RZ1-12D								
								70 ... 110	RZ1-12E								
								110 ... 180	RZ2-12F								
								180 ... 300	RZ2-12G								
								300 ... 700	RZ3-12H								
								254	460	80	5	22	15000	10	Flansch	10 ... 18	RZ1-16AF
																15 ... 30	RZ1-16BF
25 ... 49	RZ1-16CF																
40 ... 75	RZ1-16DF																
62 ... 120	RZ1-16EF																
100 ... 170	RZ1-16FF																
145 ... 270	RZ1-16GF																
230 ... 350	RZ1-16HF																
280 ... 720	RZ2-16IF																
840 ... 1250	RZ2-16KF																



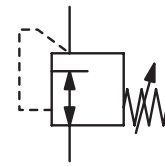
Special options, add the appropriate letter or number

further ranges	RZ3-08 / -12	700 ... 1100	I	1100 ... 2000	J	2000 ... 3000	RZ3-...K
further ranges	RZ2-16	1050 ... 2300	L			2000 ... 4400	RZ3-16M
relieving							RZ-...R
FKM elastomer							RZ-...V
flange connection				see chapter for SST devices / flanges			RZ-...F.
nitrogen	N ₂ : 07	carbon dioxide	CO ₂ : 03	argon	Ar: RZ-...05		
helium	He: 09	hydrogen	H ₂ : 11	methane	CH ₄ : RZ-...13		
oxygen	O ₂ : 15	propane	C ₃ H ₈ : 16	nitrous oxide	N ₂ O: RZ-...17		



*1 at 4 bar supply pressure and max. outlet pressure *2 see description above *3 G1 thread at inlet

Description Low pressure regulator with large diaphragm for good accuracy and high sensitivity.
Media compressed air or non-corrosive gases
Supply pressure max. 6 bar
Air consumption without constant bleed
Adjustment R160-04: by handwheel with locknut
 R160-08/-12/-16: by hexagon head screw with locknut
Relieving function non-relieving
Gauge port G¼ on both sides of the body, screw plug supplied
Mounting position any
Temperature range -20 °C to 60 °C / -4 °F to 140 °F
Material Body: aluminium coated
 O-rings: NBR/Buna-N, optionally FKM or EPDM
 Diaphragm: NBR/Buna-N with PTFE coating
 Inner valve: brass
 Spring cage: stainless steel



G½ up to G2
 5...45/6000 mbar

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

Low pressure regulator							supply pressure max. 6 bar, non-relieving, without constant bleed		R160
80	180	37	0.4	36	600	G½*3	5 ... 45	R160-04A	
							20 ... 200	R160-04B	
							150 ... 700	R160-04C	
126	340	66	1.8	180	3000	G1	20 ... 50	R160-08A	
							50 ... 100	R160-08B	
							100 ... 700	R160-08C	
							700 ... 6000	R160-08D	
215	472	128	5.7	480	8000	G1½	20 ... 50	R160-12A	
							50 ... 150	R160-12B	
							150 ... 300	R160-12C	
							300 ... 3000	R160-12D	
215	472	128	5.7	480	8000	G2	20 ... 50	R160-16A	
							50 ... 150	R160-16B	
							150 ... 300	R160-16C	
							300 ... 3000	R160-16D	



R160-04A
 accessory: gauge



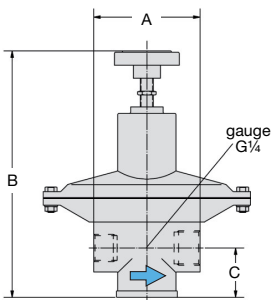
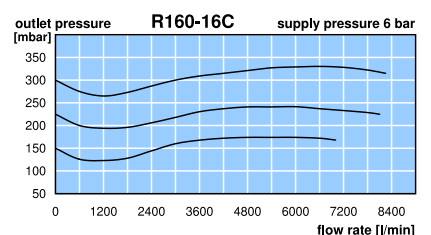
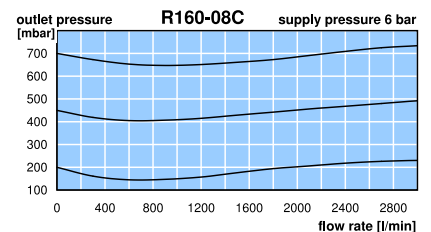
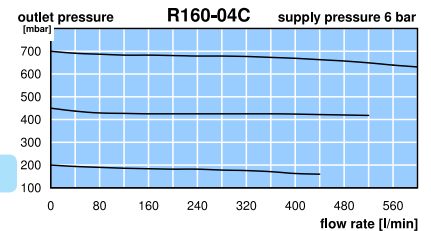
R160-08B
 accessory: gauge

Special options, add the appropriate letter or number

NPT	connection thread	for G1 to G2	R160-... N
SST inner parts	for ammonia NH ₃	for G½ and G1	R160-... 02
FKM o-ring	PTFE diaphragm	for G1½ and G2	R160-1... 02
EPDM o-ring			R160-... T
nitrogen N ₂ :	07	carbon dioxide CO ₂ :	03
helium He:	09	hydrogen H ₂ :	11
oxygen O ₂ :	15	propane C ₃ H ₈ :	16
flange connection	see chapter for SST devices / flange	argon Ar:	R160-... 05
		methane CH ₄ :	R160-... 13
		nitrous oxide N ₂ O:	R160-... 17
			R160-... F.

Accessory

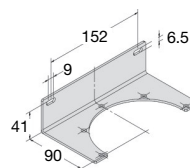
pressure gauges	Ø 63 mm, 0...*2 mbar, G¼, capsule type, connection parts required	MA6302-... *2
	Ø 63 mm, 0...*2 bar, G¼, Bourdon tube, connection parts required	MA6302-... *2
connection parts	for pressure gauge	for G½ AM-01
mounting bracket	made of stainless steel	for G½ BW00-26S



R160



cross section



BW00-26S

*1 at 6 bar supply and 1 bar outlet pressure

*2 B6 = 0...60 mbar, C2 = 0...160 mbar, C3 = 0...250 mbar, C4 = 0...400 mbar, 01 = 0...1 bar, 04 = 0...4 bar, 06 = 0...6 bar

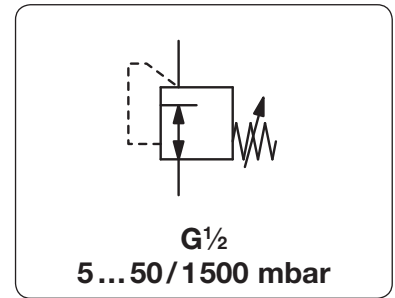
*3 thread at outlet G¼

Gauges: see chapter for measuring devices

PDF CAD
 www.aircom.net

Order example:
 R160-04A

Description	Precision regulator in mbar range without auxiliary power. Accurate and reliable regulation with large diaphragm for high sensitivity compressed air or non-corrosive gases up to 5.0 purity (99.999% vol.)
Media	compressed air or non-corrosive gases up to 5.0 purity (99.999% vol.)
Supply pressure	max. 20 bar
Air consumption	without constant bleed
Adjustment	by handwheel with locknut
Relieving function	non-relieving
Gauge port	G $\frac{1}{2}$ on the bottom side of the body, screw plug supplied
Mounting position	any
Temperature range	-20 °C to 70 °C / -4 °F to 158 °F, for CO $_2$ up to 40 °C / 104 °F
Material	Body: grey-coated brass Diaphragm: EPDM with PTFE coating O-rings: NBR/Buna-N Inner valve: brass



Dimensions			Flow rate		Connction thread	Pressure range	Order number
A	B	C	m 3 /h*1	l/min*1	G	mbar / bar	

Low pressure regulator				supply pressure max. 20 bar, non-relieving, without constant bleed	RR		
164	156	41	5	75	G $\frac{1}{2}$	5 ... 50 mbar	RR-04A
			12	200		10 ... 100 mbar	RR-04B
			30	500		50 ... 500 mbar	RR-04C
			45	750		0.1 ... 1 bar	RR-04D
			51	850		0.2 ... 1.5 bar	RR-04E



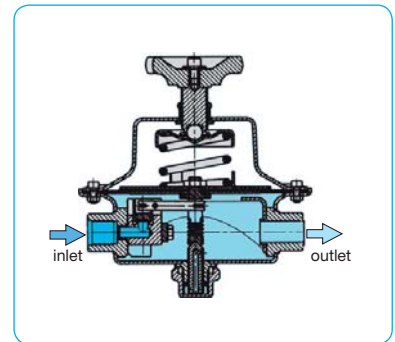
RR

Special options, add the appropriate letter

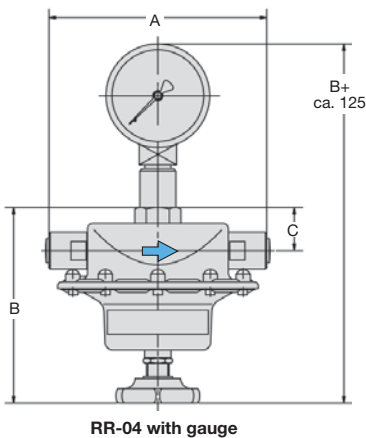
free of grease and oil	suitable for oxygen and flammable gases	RR-...L
pressure gauge	Ø 100 mm, 0... bar, handwheel at the bottom	RR-...G

Accessory

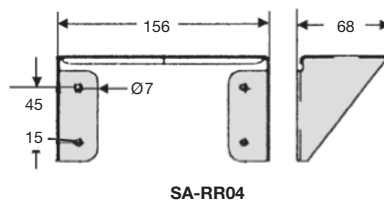
mounting bracket	made of steel	for RR-04	SA-RR04
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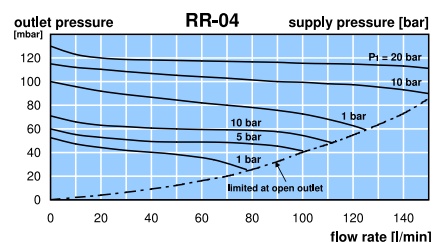
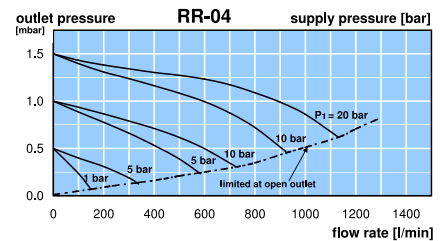
cross-section



RR-04 with gauge



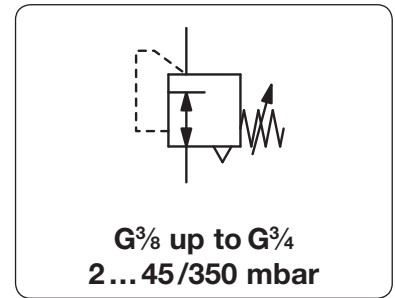
SA-RR04



*1 at 6 bar supply pressure and open outlet

Precision Low Pressure Regulator, Supply Pressure max. 10 bar R4100

Description	High precision diaphragm pressure regulator with high flow.
Media	compressed air or non-corrosive gases
Supply pressure	max. 10 bar
Accuracy	sensitivity < 2 mbar
Air consumption	without constant bleed
Adjustment	by handwheel with locknut
Relieving function	relieving
Gauge port	G $\frac{1}{4}$ on both sides of the body, screw plug supplied
Mounting position	any
Temperature range	0 °C to 90 °C / 32 °F to 194°F, for appropriately conditioned compressed air down to -40 °C / -40 °F
Material	Body aluminium die-cast Elastomer: NBR/Buna-N Inner valve: stainless steel, brass, aluminium and steel



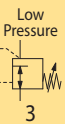
Dimensions			K _v -value (m ³ /h)	Flow rate		Connection thread G	Pressure range mbar	Order number
A	B	C		m ³ /h*1	l/min*1			

Precision low pressure regulator supply pressure max. 10 bar, relieving, without constant bleed R4100

87	219	40	0.24	30	500	G $\frac{3}{8}$	2... 45	R4100-03A
							2... 95	R4100-03B
							5...210	R4100-03C
							5...350	R4100-03D
87	219	40	0.27	36	600	G $\frac{1}{2}$	2... 45	R4100-04A
							2... 95	R4100-04B
							5...210	R4100-04C
							5...350	R4100-04D
87	219	40	0.30	42	700	G $\frac{3}{4}$	2... 45	R4100-06A
							2... 95	R4100-06B
							5...210	R4100-06C
							5...350	R4100-06D



R4100

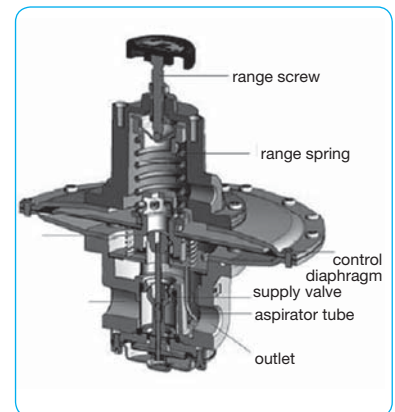


Special options, add the appropriate letter or number

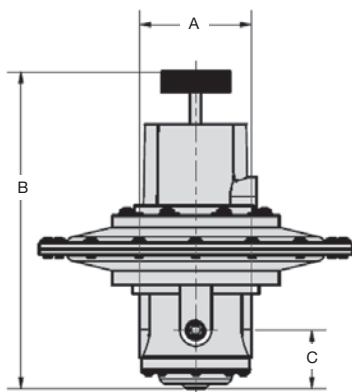
NPT	connection thread	R4100-...N
tapped exhaust	connection thread G $\frac{1}{4}$	R4100-...X12
tamper-proof cap	made of aluminium, adjustment by screwdriver, height 295 mm	R4100-...T
FKM elastomer		R4100-...V
flange connection	see chapter SST devices / flanges	R4100-...F.

Accessory

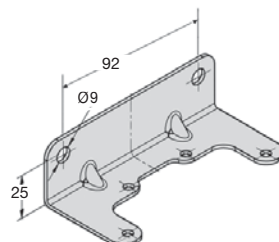
pressure gauge	Ø 63 mm, 0...*2 mbar, G $\frac{1}{4}$	MA6302-...*2
mounting bracket	made of steel	BW00-47



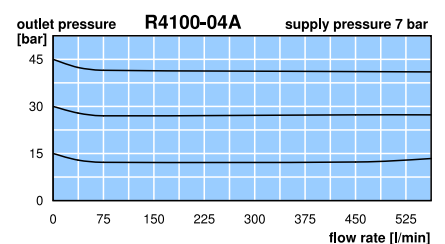
cross section



R4100



BW00-47



*1 at 10 bar supply pressure and max. outlet pressure

*2 B6 = 0...60 mbar, C2 = 0...160 mbar, C3 = 0...250 mbar, C4 = 0...400 mbar

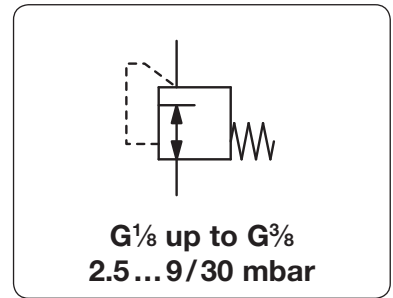
Gauges: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
R4100-03A

Description	Miniature diaphragm low pressure regulator for extremely low outlet pressures. Maintenance-free.	
Media	compressed air, natural gas, town gas or liquid gas without certificate	
Supply pressure	max. 100 mbar	
Adjustment	After removal of the cap the desired outlet pressure may be set by an adjusting screw.	
Relieving function	non-relieving	
Gauge port	not available	
Mounting position	any	
Temperature range	-15 °C to 80 °C / 5 °F to 176 °F	
Material	Body: aluminium die-cast Elastomer: NBR/Buna-N	Inner valve: steel and aluminium



Dimensions			Nominal size	Flow rate	Supply pressure	Connection thread	Pressure range	Order number
A	B	C	DN	l/min*1	max. mbar	G	mbar	
mm	mm	mm						

Miniature regulator				supply pressure max. 100 mbar, non-relieving, without constant bleed				R12
43	43	9	6	40	100	G ¹ / ₈	2.5... 9	R12-01A
							7.0... 13	R12-01B
							10... 20	R12-01C
							10... 30	R12-01D
							20... 30	R12-01E
61	54	13	8	100	100	G ¹ / ₄	2.5... 9	R12-02A
							7.0... 13	R12-02B
							10... 20	R12-02C
							10... 30	R12-02D
							20... 30	R12-02E
61	54	13	10	110	100	G ³ / ₈	2.5... 9	R12-03A
							7.0... 13	R12-03B
							10... 20	R12-03C
							10... 30	R12-03D
							20... 30	R12-03E



R12-01A



R12-02D

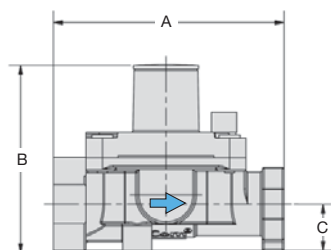


R12-01A

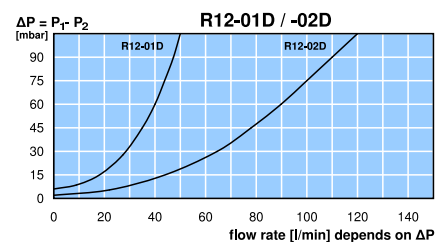
Accessory

pre-pressure regulator

see R900



R12



*1 at 100 mbar supply pressure and 10 mbar outlet pressure

