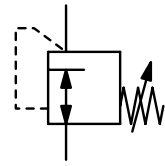


LOW PRESSURE REGULATOR, SUPPLY PRESSURE MAX. 20 BAR

RZ

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, min. 1 bar
Accuracy	max. 10 bar at pressure range < 120 mbar	< e.g. 10% FS pressure deviation
Air consumption	at maximum volume flow	without constant bleed
Adjustment	manual by turning the spindle under the cover of the spring cage	
Relieving function	non-relieving, optionally relieving	
Relief capacity	Can be adjusted independently of outlet pressure. On non-relieving designs: blocked exhaust valve.	
Gauge port	not available	Mounting position any
Temperature range	-20 °C to 60 °C / -4 °F to 140 °F	
Material	Body: SG cast iron GGG50, GGG40 at DN50 Spring cage: aluminium	Elastomer: NBR/Buna-N, optionally FKM Inner valve: brass and stainless steel



**G1 up to flange DN50
15...20/4400 mbar**

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

Low press. regulator w. positioning spring																	
P ₁ : 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	flange	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																



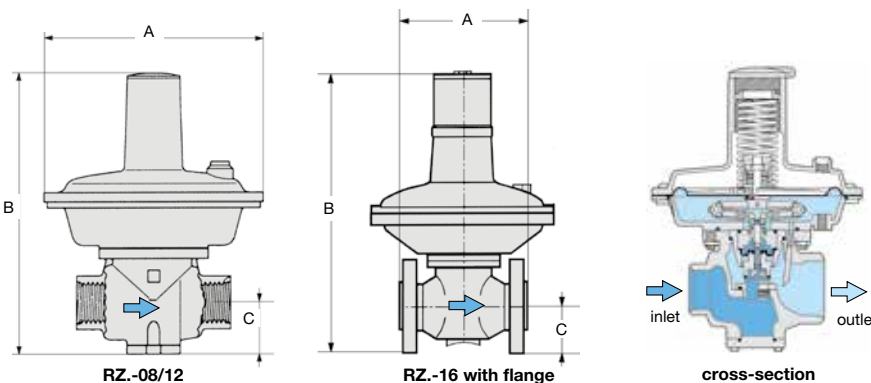
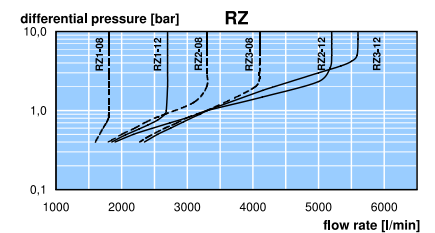
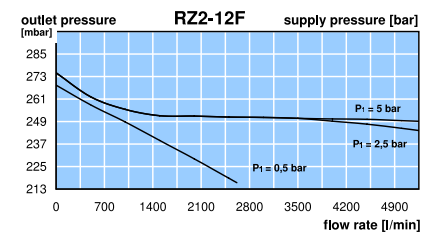
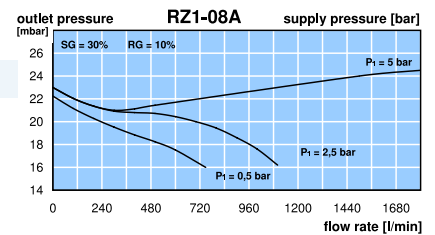
RZ2-08F



RZ1-16AF

Special options, add the appropriate letter

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		with relieving function, adjustable					RZ-... R
FKM elastomer							RZ-... V
flange connection		see chapter for stainless steel 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 (max. 16 bar)	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

PDF CAD
www.aircom.net

Order example:
RZ1-08A