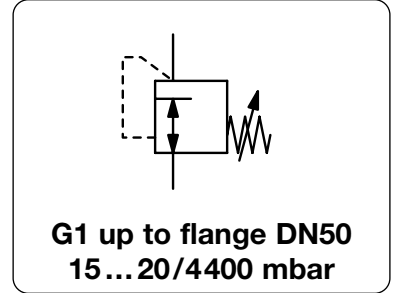


# LOW PRESSURE REGULATOR, SUPPLY PRESSURE MAX. 20 BAR

**RZ**

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



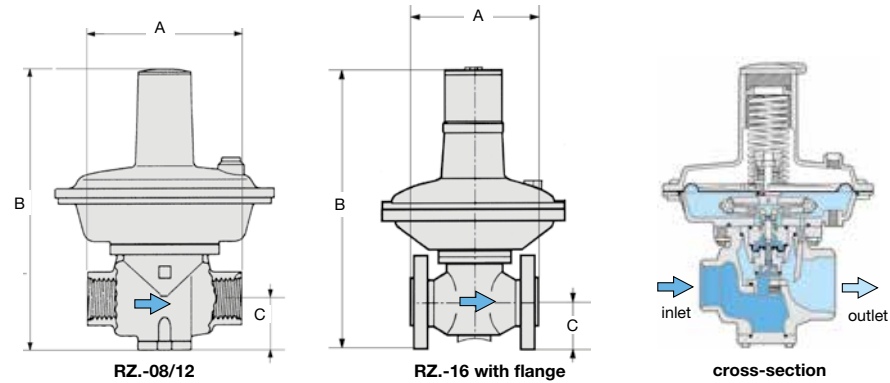
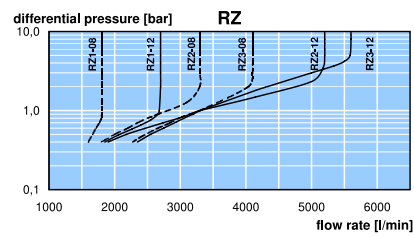
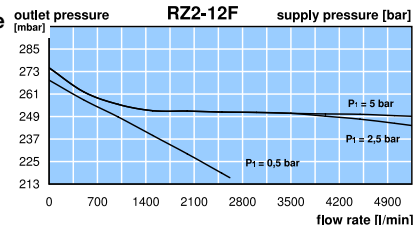
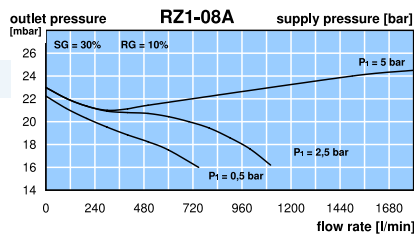
Dimensions			Accuracy	Nominal size	Flow rate	P <sub>1</sub> max.	Connection thread	Pressure range	Order number
A	B	C	%	DN	l/min*1	bar*2	G	mbar	

Low press. regulator w. positioning spring																	
P <sub>1</sub> : max. 20 bar, non-relieving																	
100	245	30	10	17	1800	10	G1	15 ... 20	<b>RZ1-08A</b>								
								20 ... 30	<b>RZ1-08B</b>								
								30 ... 40	<b>RZ1-08C</b>								
								40 ... 70	<b>RZ1-08D</b>								
								70 ... 110	<b>RZ1-08E</b>								
								110 ... 180	<b>RZ2-08F</b>								
								180 ... 300	<b>RZ2-08G</b>								
								300 ... 700	<b>RZ3-08H</b>								
								100	245	30	10	17	2700	10	G1½*3	15 ... 20	<b>RZ1-12A</b>
																20 ... 30	<b>RZ1-12B</b>
30 ... 40	<b>RZ1-12C</b>																
40 ... 70	<b>RZ1-12D</b>																
70 ... 110	<b>RZ1-12E</b>																
110 ... 180	<b>RZ2-12F</b>																
180 ... 300	<b>RZ2-12G</b>																
300 ... 700	<b>RZ3-12H</b>																
254	460	80	5	22	15000	10	flange									10 ... 18	<b>RZ1-16AF</b>
																15 ... 30	<b>RZ1-16BF</b>
								25 ... 49	<b>RZ1-16CF</b>								
								40 ... 75	<b>RZ1-16DF</b>								
								62 ... 120	<b>RZ1-16EF</b>								
								100 ... 170	<b>RZ1-16FF</b>								
								145 ... 270	<b>RZ1-16GF</b>								
								230 ... 350	<b>RZ1-16HF</b>								
								280 ... 720	<b>RZ2-16IF</b>								
								840 ... 1250	<b>RZ2-16KF</b>								



**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  
 nitrogen N<sub>2</sub>: 07 carbon dioxide CO<sub>2</sub>: 03 argon Ar: RZ-... 05  
 helium He: 09 hydrogen H<sub>2</sub>: 11 methane CH<sub>4</sub>: RZ-... 13  
 oxygen O<sub>2</sub>: 15 (max. 16 bar) propane C<sub>3</sub>H<sub>8</sub>: 16 nitrous oxide N<sub>2</sub>O: RZ-... 17  
 connection see chapter for stainless steel devices / flanges RZ-... F.



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

\* Product group