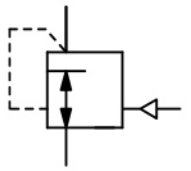
RZJ - Régulateur piloté basse pression, booster, pour air comprimé et gaz neutres : oxygène, argon, dioxyde de carbone, Hélium, hydrogène, méthane, propane

Description	Highly sensitive diaphragm low pressure volume booster with excellent regulating characteristics.
Media	compressed air or non-corrosive gases
Supply pressure	max. 20 bar depending on the accuracy: the smaller P_1 the higher the accuracy max. 10 bar at pressure range < 150 mbar
Pilot pressure	max. 1000 mbar
Air consumption	without constant bleed
Relieving function	non-relieving, optionally relieving
Accuracy	at max. flow rate < e.g. 10% pressure deviation of full scale
Adjustment	manual by turning the spindle under the cover of the spring cage
Gauge port	not available
Mounting position	any
Temperature range	-20 °C bis 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



G1 up to G2
10 ... 150/1000 mbar

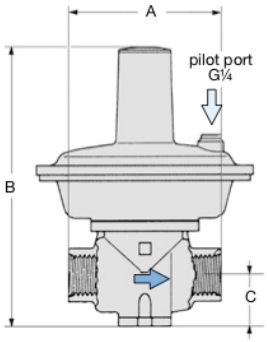
Dimensions A mm	B mm	C mm	Accuracy %	Nominal size DN	Flow rate l/min*1	P_1 max. bar*2	Connection thread G	Pressure range mbar	Order number
Low pressure volume booster							supply max. 20 bar, non-relieving, 1:1 transmission ratio		**RZ-J**
100	245	30	10	17	1800	10	G1	15 ... 110	**RZ1-08J**
			5		3300	20		180 ... 1000	**RZ3-08J**
185	245	30	10	17	2700	10	G1½*3	15 ... 110	**RZ1-12J**
			5		5000	20		180 ... 1000	**RZ3-12J**
254	460	80	10	34	15000	10	G2	10 ... 350	**RZ1-16JF**
			5		28000	20		350 ... 1000	**RZ2-16JF**

RZ1-08J

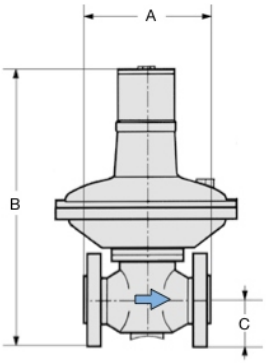
Special options, add the appropriate letter

relieving	with relieving function		RZ.-...**R**
FKM elastomer			RZ.-...**V**
flange connection	see chapter for SST devices / flanges	(not for RZ.-16J)	RZ.-...**F.**
carbon dioxide	CO_2		RZ.-...**03**
argon	Ar		RZ.-...**05**
nitrogen	N_2		RZ.-...**07**
helium	He		RZ.-...**09**
hydrogen	H_2		RZ.-...**11**
methane	CH_4		RZ.-...**13**
oxygen	O_2	up to 16 bar	RZ.-...**15**
propane	C_3H_6		RZ.-...**16**
nitrous oxide	N_2O		RZ.-...**17**

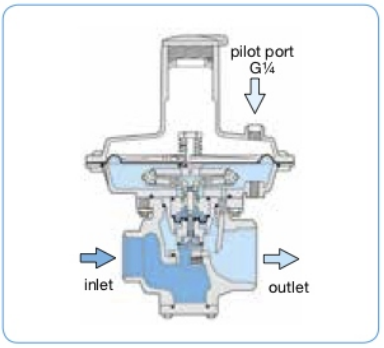
RZ1-16JF



RZ.-08/12J



RZ.-16JF with flange



cross-section

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

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