



Description Highly sensitive low pressure regulator which can also be used as volume booster. With inlet pressure compensation for high precision regulation, high flow and safety diaphragm for added security. Zero shut-off prevents the outlet pressure from increasing further.

Media Compressed air, non-corrosive gases and oxygen. No constant bleed.

Adjustment Manual: by turning the spindle under the cover of the spring cage.

Volume booster By removing the aspirator filter and connecting the pilot signal in its place. With the spring a positive bias is possible. max. 400 mbar / 6 psi. A pre-pressure regulator may be needed to reduce higher supply pressure. Supply pressure to be increased gradually.

Exhaust Non-relieving. A back pressure regulator may be needed to protect against excessively high outlet pressure.

Gauge port None as standard. Option: gauge port 1/4" for regulator > 3/4".

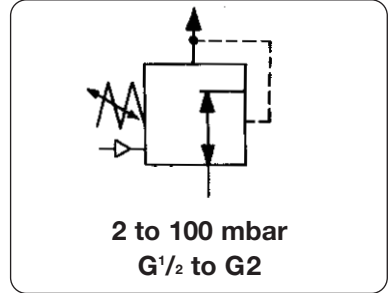
Accuracy max. 20% pressure drop at full flow.

Mounting position Regulator preferably mounted on the head so that inner valve is closed when supply pressure is switched on.

Temperature range -15 °C to 65 °C / 5 °F to 150 °F

Materials Body: aluminium Diaphragm: NBR (Buna N) Inner valve: aluminium Valve disc: with vulcanized NBR seal

Pre-pressure regul. Supply pressure: max. 21 bar / 300 psi Outlet pressure: 0 ... 1.8 bar / 26 psi with gauge as on photo



Dimensions	Nominal	Flow	Gauge	Connection	Pressure	Order
height width	size	rate	(option)	thread	range	number
mm mm	DN	m³/h*1 l/min*/K _v	mbar	G	mbar	

Low pressure regulator						supply max. 400 mbar, non-relieving		RGDJ	
120	100	15	12	200/0.66	60	G1/2	2... 16	RGDJ-04A	
					60		10... 20	RGDJ-04B	
					60		16... 28	RGDJ-04C	
					60		22... 40	RGDJ-04D	
					60		40... 55	RGDJ-04E	
166	134	20	27	450/1.49	60	G3/4	5... 15	RGDJ-06A	
					60		12... 25	RGDJ-06B	
					60		22... 35	RGDJ-06C	
					160		25... 75	RGDJ-06F	
					160		70...100	RGDJ-06H	
166	134	25	51	850/2.6	60	G1	5... 15	RGDJ-08A	
					60		12... 25	RGDJ-08B	
					60		22... 35	RGDJ-08C	
					160		25... 75	RGDJ-08F	
					160		70...100	RGDJ-08H	
194	185	40	90	1500/4.9	60	G1 1/2	5... 15	RGDJ-12A	
					60		12... 25	RGDJ-12B	
					60		22... 35	RGDJ-12C	
					160		25... 75	RGDJ-12F	
					160		70...100	RGDJ-12H	
219	234	50	120	2000/6.6	60	G2	5... 15	RGDJ-16A	
					60		12... 25	RGDJ-16B	
					60		22... 35	RGDJ-16C	
					160		25... 75	RGDJ-16F	
					160		70...100	RGDJ-16H	



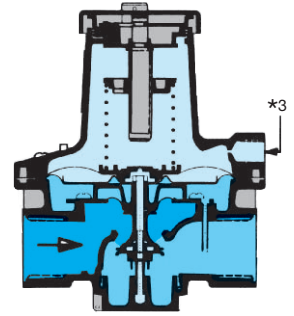
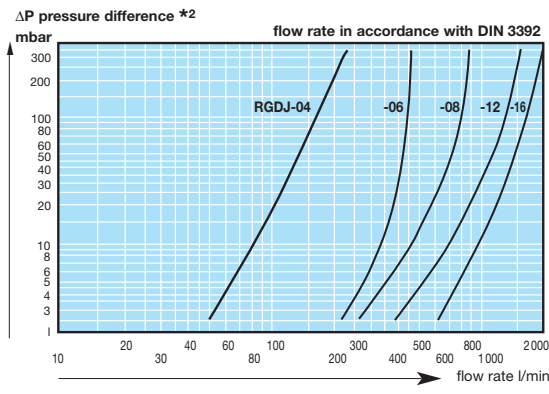
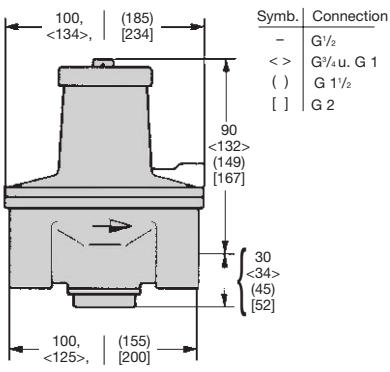
Special options add the appropriate letter

pre-pressure regulator for G 1/2: R10 for G 3/4 up to G2: R400 **R** RGDJ - . . . R

low pressure gauge Ø 63, cl 1.6, connection backside G 1/4, loose **G** RGDJ - . . . G

borehole for connection of low pressure gauge, G 1/4 **M** RGDJ - . . . M

volume booster 2...55 mbar for G 1/2, all other 5...100 mbar **J** RGDJ - . . . J



*1 at 350 mbar supply pressure and 100 mbar outlet pressure
 *2 Δp = P_s - P_o, Difference between supply & outlet pressure

For your information:	1 bar: 14.5 psi 1 psi: 0.069 bar	1 l/min: 0.035 scfm 1 scfm: 28.3 l/min	1 mm: 0.039 inch 1 inch: 25.4 mm	Pressure gauge: Please consult chapter "Gauges"
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Order example:
RGDJ-08H