

# FLOW CONTROL VALVE

## Series GR2

Cat No GR2 - 01 - 02

## FLOW CONTROL VALVE

### Features

- ❑ Directly mountable on cylinder / valve ports
- ❑ Can be rotated by 360°
- ❑ Fine regulation of air flow
- ❑ Nickel plated body
- ❑ Male threads(R) teflon coated
- ❑ Elegant design and finish



### Function

These valves allow controlled flow of air in one direction and free flow in the other direction. These are available in two versions - a) Supply control version, and b) Exhaust control version.

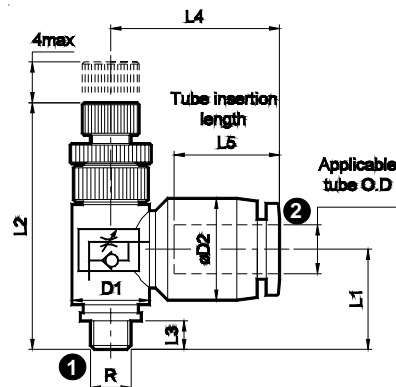
### Application

These valves are used to control the speed of piston in a pneumatic cylinder.

### Technical Specifications

Type	Supply control	Exhaust control
Model	GR1	GR5
Free flow	2 → 1	1 → 2
Controlled flow	1 → 2	2 → 1
Medium	Compressed air – Dry / Lubricated	
Operating pressure range	1 – 10 bar	
No. of needle rotations	10	
Ambient Temperature	5° - 60° C	
Materials of construction	Brass, Acetal, Nitrile	
Applicable tubes	Nylon, Polyurethane	

### Thread size - M5



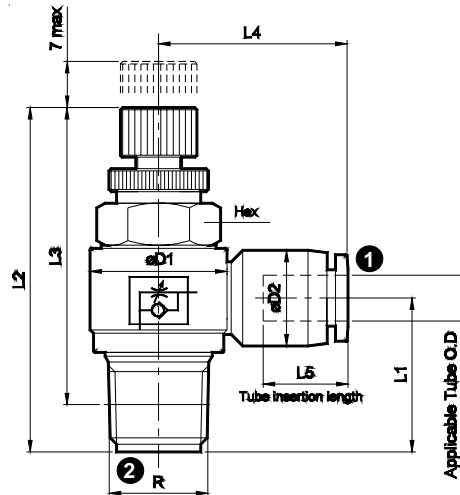
Sl. No	Ordering No.	Thread	Applicable Tube O.D	L1	L2	L3	L4	L5	ØD1	ØD2	Free Flow min Lts/min	Controlled Flow max. Lts/min
1	GR1107004 GR5107004	M5	4	12.5	31	3.5	20	14.5	9.5	10.5	60	45
2	GR1107006 GR5107006		6	12.5	31	3.5	21	15.5	9.5	12.5	100	50

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Thread size - R1/8, R1/4, R3/8, R1/2



Sl. No	Ordering No.	Thread	Applicable Tube O.D	Hex	L1	L2	L3	L4	L5	ØD1	ØD2	Free Flow min Lts/min	Controlled Flow max. Lts/min
1	GR1105004 GR5105004	R1/8	4	12	15.5	39	35.5	22	14.5	13.5	10.5	100	100
2	GR1105006 GR5105006		6		16	39	35.5	23	15.5	13.5	12.5	200	140
3	GR1105008 GR5105008		8		18	39	35.5	27	17	13.5	15	200	140
4	GR1105106 GR5105106	R1/4	6	14	20.5	47	41.5	25	15.5	18	12.5	400	350
5	GR1105108 GR5105108		8		21	47	41.5	27.5	17	18	15	550	420
6	GR1105110 GR5105110		10		23	47	41.5	32.5	20	18	18.5	650	450
7	GR1105208 GR5105208	R3/8	8	19	25	53	47	29.5	17	22	15	1100	930
8	GR1105210 GR5105210		10		26	53	47	34.5	20	22	18.5	1300	1000
9	GR1105212 GR5105212		12		27	53	47	36	20.5	22	21	1400	1050
10	GR1105308 GR5105308	R1/2	8	24	27.5	57	49.5	32.5	17	28	15	1400	1250
11	GR1105310 GR5105310		10		28.5	57	49.5	36.5	20	28	18.5	1750	1500
12	GR1105312 GR5105312		12		29.5	57	49.5	37.5	20.5	28	21	1900	1600

### How to Order

While ordering Flow control valve, mention the ordering number given in the corresponding tables.