

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.

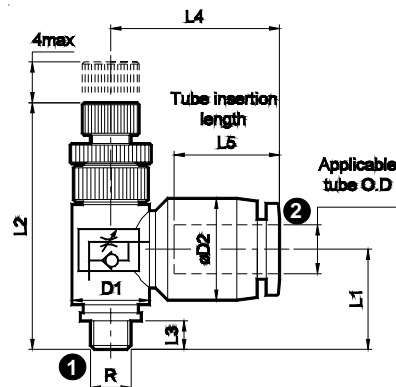
Application

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



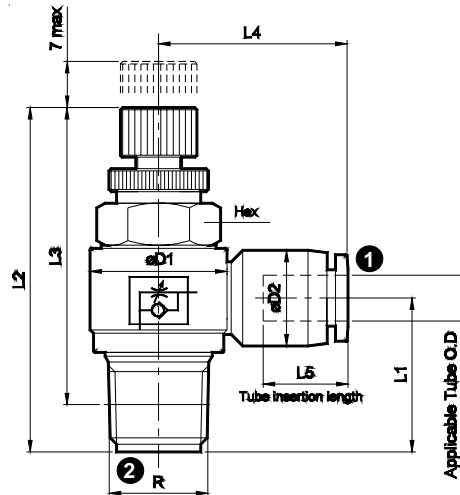
Sl. No	Ordering No.	Thread	Applicable Tube O.D	L1	L2	L3	L4	L5	ØD1	ØD2	Free Flow min Lts/min	Controlled Flow max. Lts/min
1	GR1107004 GR5107004	M5	4	12.5	31	3.5	20	14.5	9.5	10.5	60	45
2	GR1107006 GR5107006		6	12.5	31	3.5	21	15.5	9.5	12.5	100	50

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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.