

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.

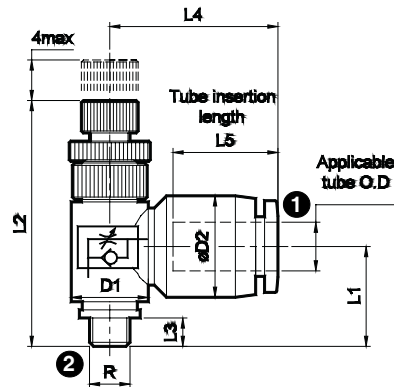
Application

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



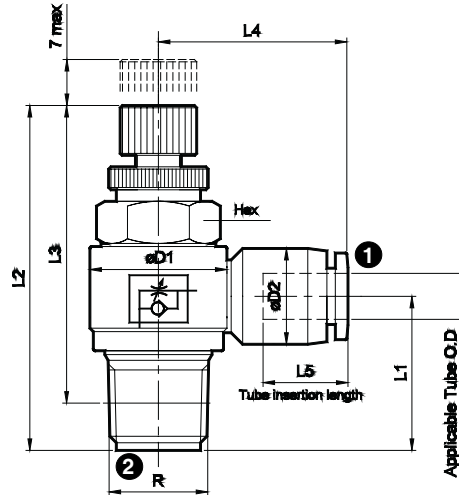
| Sl. No | Ordering No. | Thread | Applicable Tube O.D | L1 | L2 | L3 | L4 | L5 | ØD1 | ØD2 | Free Flow min Lts/min | Controlled Flow max. Lts/min |
|--------|------------------------|--------|---------------------|------|----|-----|----|------|-----|------|-----------------------|------------------------------|
| 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 |

FLOW CONTROL VALVE

Series GR2

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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.