

Flow Control Regulators

Parker Legris flow control regulators with polymer, nickel-plated brass or aluminium bodies, external or recessed adjustment screws, offer **precise adjustment, accuracy** and **compactness** providing the solution for all applications.

Product Advantages

Improved Productivity

- Higher maximum flow than standard regulators
- Full flow with minimum pressure drop (model 7060)
- Optimal control of the cylinder rod speed
- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Reduce compressed air and energy consumption

Accuracy & Performance

- Precise adjustment for accurate flow regulation from initial to maximum opening
- Constant cylinder rod displacement speed
- Long-term stability of flow
- Reduced weight (polymer version)
- Mechanical strength and corrosion resistance with nickel-plated brass version

Ergonomics & Large Range

- External adjustment screw: easy to adjust without tooling and lockable
- Recessed adjustment screw: more compact and protects the adjustment mechanism
- Uni-directional: exhaust or inlet
- Bi-directional: adjustment of air flow in both directions
- 360° positioning
- NPT version on request



Applications

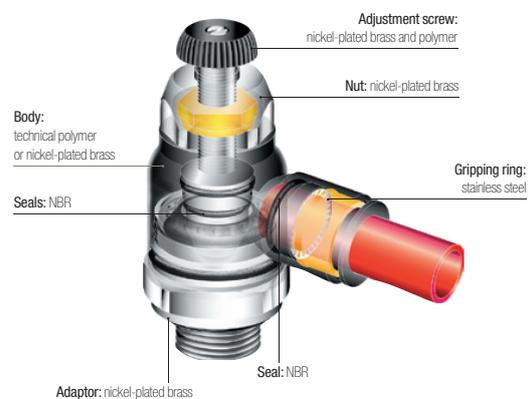
- Pneumatics
- Robotics
- Semi-Conductors
- Textile
- Automotive Process
- Packaging

Technical Characteristics

| | |
|----------------------------|--------------------------------------------|
| Compatible Fluids | Compressed air Other fluids: contact us |
| Working Pressure | 1 to 10 bar |
| Working Temperature | 0°C to +70°C |

| | | | | | | | |
|------------------------------------------------------------|---------|---------|---------|------|------|------|------|
| Max. Tightening Torques (external adjustment screw) | Threads | M3 x0.5 | M5 x0.8 | G1/8 | G1/4 | G3/8 | G1/2 |
| | daN.m | 0.06 | 0.16 | 0.8 | 1.2 | 3 | 3.5 |
| Max. Tightening Torques (recessed adjustment screw) | Threads | - | M5 x0.8 | G1/8 | G1/4 | G3/8 | G1/2 |
| | daN.m | - | 0.1 | 0.4 | 0.5 | 0.6 | 0.7 |

Component Materials



Silicone-free

You will find all the flow rate characteristic curves (to 6 bar) for flow control regulators at the end of the chapter.