

Parker Product Datasheet



Parker Legris flow control regulators, available with polymer, nickel-plated brass, stainless steel, or aluminium bodies and featuring external or recessed adjustment screws, offer precise adjustment, consistent control, and compactness.

PART NUMBER: 7100 12 21
PRODUCT STYLE: Metal Regulators with External Adjustment
CONNECTION 1 SIZE: G 1/2
BODY MATERIAL: Nickel-plated Brass
CONNECTION 2 SIZE: 12 mm
FLOW DIRECTION: Exhaust

PRODUCT OVERVIEW

Parker Legris flow control regulators are designed for compactness and versatility, offering a range of body materials, including polymer, nickel-plated brass, stainless steel, and aluminium, to meet diverse application needs. With a higher maximum flow rate than standard regulators on the market, these regulators enhance productivity. Featuring either external or recessed adjustment screws, they enable precise adjustments and ensure reliable performance across various settings.

Features/Benefits:

- 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

Markets:

- Factory Automation
- Vehicle Assembly Facilities
- Food and Beverage
- Semiconductor
- Packaging Machinery

Applications:

- Pneumatic Cylinder Control
- Low Pressure Compressed Air Flow Regulation and metric thread

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	158 °F
MAXIMUM OPERATING TEMPERATURE	70 °C
DIVISION	Low Pressure Connectors Europe Division
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MAXIMUM OPERATING PRESSURE	10 bar

MAXIMUM OPERATING PRESSURE	145 psi
MINIMUM OPERATING TEMPERATURE	-25 °C
MINIMUM OPERATING TEMPERATURE	-13 °F
FOR FLUID TYPE	Compressed air, Other fluids: contact us
INDUSTRY	Industrial Manufacturing Equipment
INDUSTRY	Industrial Processing
SHAPE	Elbow 90°
APPLICATION	Packaging
APPLICATION	Textile
APPLICATION	Automotive Process
APPLICATION	Robotics
BRAND	Legris
BRAND	Parker
TECHNOLOGY	Pneumatics
PRODUCT STYLE	Metal Regulators with External Adjustment
CONNECTION 1 SIZE	G 1/2
BODY MATERIAL	Nickel-plated Brass
CONNECTION 1 TYPE	Male BSPP
PRODUCT TYPE	Function Fittings and Flow Control
NUT MATERIAL	Nickel-Plated Brass
HEX SIZE	17 mm
SEAL MATERIAL	NBR
WEIGHT	0.196 kg
HEIGHT	62 mm
CONFIGURATION	Port to Tube
QUANTITY PER BOX	1

CONNECTION 2 TYPE	Tube
CONNECTION 2 SIZE	12 mm (O.D.)
MINIMUM OPERATING PRESSURE	14.5 psi
MINIMUM OPERATING PRESSURE	1 bar
FLOW DIRECTION	Exhaust