

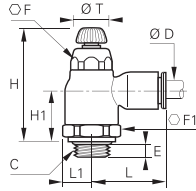
# Compact Regulators with External Adjustment

## 7060

### Compact Flow Regulator Exhaust, Male BSPP Thread



Technical polymer, nickel-plated brass, NBR



ØD	C		E	F	F1	H	H <sub>max</sub>	H1	L	L1	ØT	kg
4	G1/8	<a href="#">7060 04 10</a>	5	10	16	38	44	16	22	9	10	0.020
6	G1/8	<a href="#">7060 06 10</a>	5	10	16	38	44	16	22	9	10	0.020
	G1/4	<a href="#">7060 06 13</a>	5.5	10	16	36.5	42.5	15	22	9	10	0.020
8	G1/8	<a href="#">7060 08 10</a>	4.5	14	19	41.5	48	18	28	10.5	14	0.033
	G1/4	<a href="#">7060 08 13</a>	5.5	14	19	41.5	48	18.5	28	10.5	14	0.034
10	G3/8	<a href="#">7060 08 17</a>	5.5	14	19	41.5	48	17	28	11	14	0.034
	G1/4	<a href="#">7060 10 13</a>	5.5	17	23	45.5	53.5	20	31.5	12.5	17	0.053
12	G3/8	<a href="#">7060 10 17</a>	5.5	17	23	45.5	54	20	31.5	12.5	17	0.054
	G3/8	<a href="#">7060 12 17</a>	5.5	17	23	45.5	54	20	35	12.5	17	0.060
	G1/2	<a href="#">7060 12 21</a>	7.5	17	24	45.5	54	20	35	13	17	0.058

Flow Control Regulators

Function Fittings

# 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



Pneumatics  
Robotics  
Semi-Conductors  
Textile  
Automotive Process  
Packaging

Applications

## Technical Characteristics

<b>Compatible Fluids</b>	Compressed air Other fluids: contact us
<b>Working Pressure</b>	1 to 10 bar
<b>Working Temperature</b>	0°C to +70°C

<b>Max. Tightening Torques (external adjustment screw)</b>	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
<b>Max. Tightening Torques (recessed adjustment screw)</b>	Threads	—	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	—	0.1	0.4	0.5	0.6	0.7

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

### Component Materials



Silicone-free

# Flow Control Regulators

## Operation

Parker Legris offers both uni-directional and bi-directional flow control regulators.

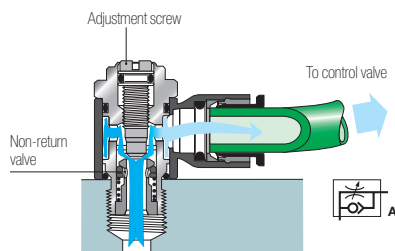
The uni-directional models control the flow of air in one direction through an adjustable restrictor, while allowing full flow in the opposite direction.

The bi-directional models control the flow of air in both directions.

A more precise and constant flow regulation is obtained when the regulator is fitted directly onto the cylinder.

### Models with Recessed Adjustment

#### Uni-Directional (Exhaust Version)



#### Uni-Directional (Supply Version)

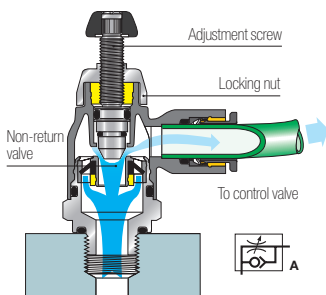


#### Bi-Directional Version

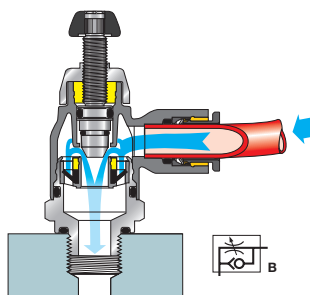


### Models with External Adjustment

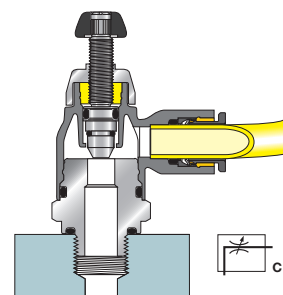
#### Uni-Directional (Exhaust Version)



#### Uni-Directional (Supply Version)

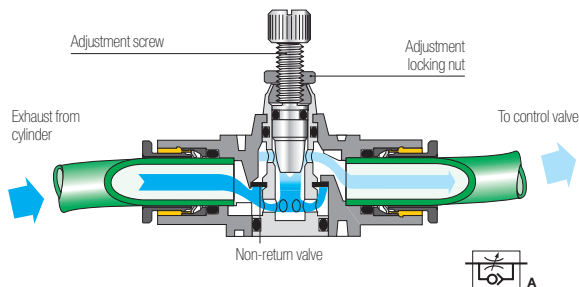


#### Bi-Directional Version

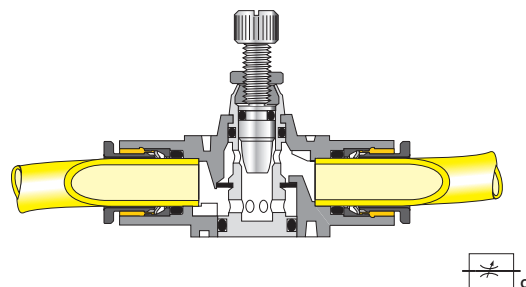


### In-Line Models

#### Uni-Directional Version



#### Bi-Directional Version



For instant visual identification, each Parker Legris flow control regulator version is identified by the related pneumatic symbol and by a letter:

- uni-directional regulation on exhaust: letter A
- uni-directional regulation on supply: letter B
- bi-directional regulation: letter C

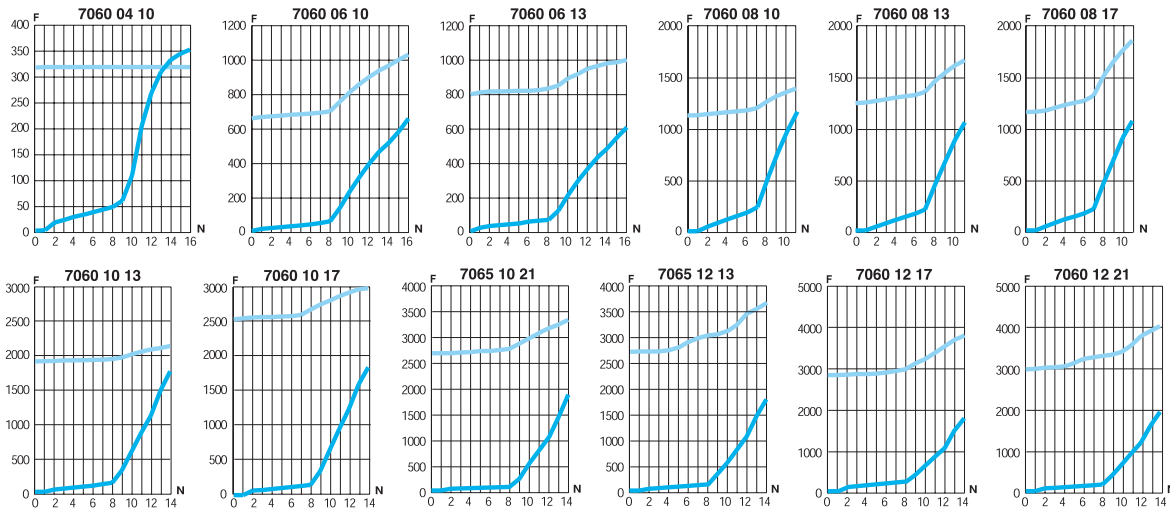
# Flow Characteristics (at 6 bar)

## for Flow Control Regulators

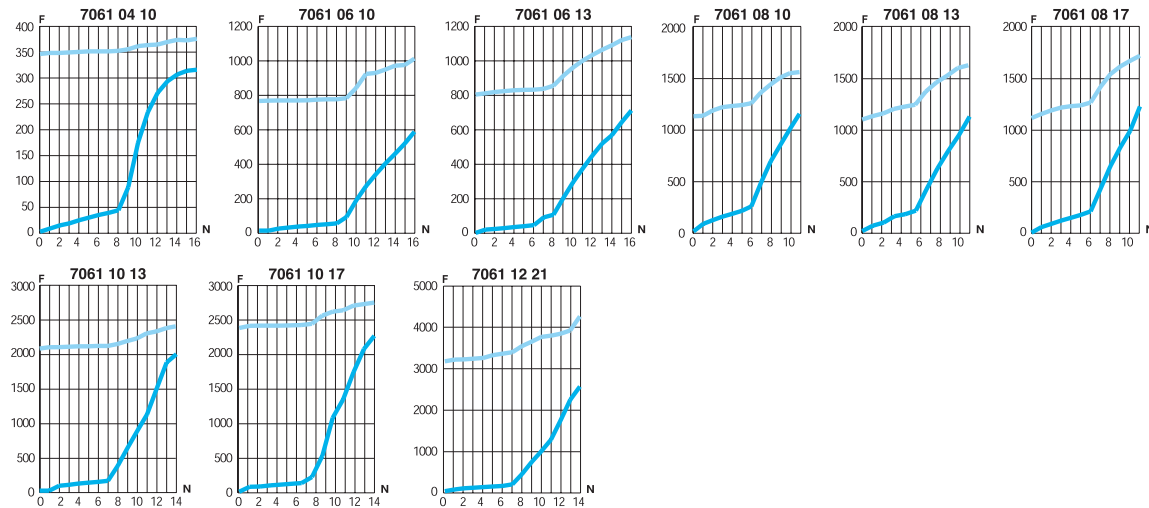


**7060**  
**7061**  
**7062**

### 7060



### 7061



### 7062

#### Flow characteristics for model 7062:

- exhaust version (see model 7060, direction of adjustment)
- supply version (see model 7061, direction of adjustment)