

Flow Control Regulators



Available with technical polymer, nickel-plated brass or aluminium bodies, with external or recessed adjustment screws, Flow Control Regulators offer precise adjustment, accuracy and compactness.

Ø metric:
3 to 14 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: contact us
- **Working Pressure:** 1 to 10 bar
- **Working Temperature:** 0°C to +70°C
-25°C to +70°C (metal version)

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

Reliable performance is dependent upon the type of fluid conveyed and component materials being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

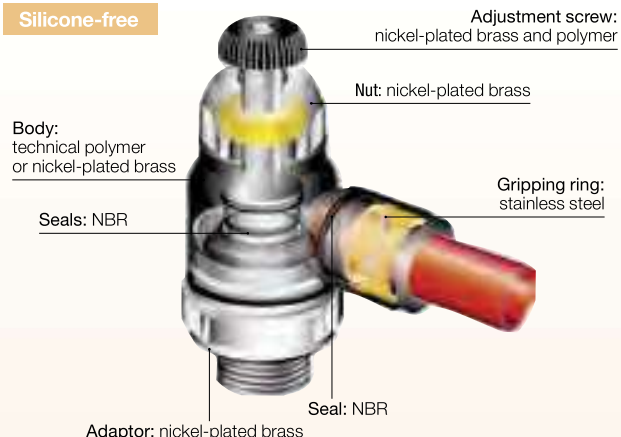
You will find all the flow rate characteristic curves (to 6 bar) for Flow Control Regulators at the end of the chapter.

Regulations

- RoHS
- REACH
- PED

Component Materials

Silicone-free



Advantages

Productivity:

- Higher maximum flow than standard regulators
- Optimal control of the cylinder rod speed

Accuracy:

- Precise adjustment for accurate flow regulation
- Long-term stability of flow

Ergonomics:

- External adjustment screw: easy to adjust ; Recessed adjustment screw: protects the adjustment mechanism
- Can be rotated 360° during assembly

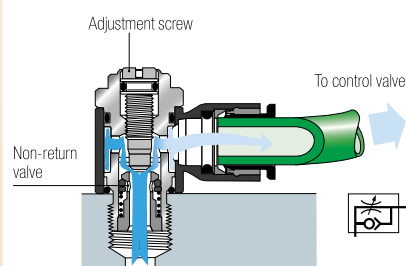
Operation

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.

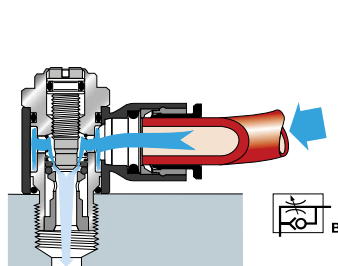
A more precise and constant flow regulation is obtained when the regulator is fitted directly onto the cylinder.

Models with Recessed Adjustment

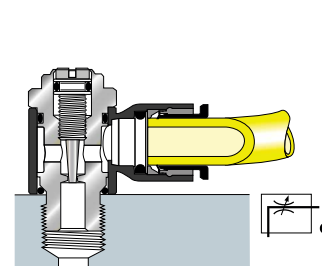
Uni-Directional (Exhaust Version)



Uni-Directional (Supply Version)

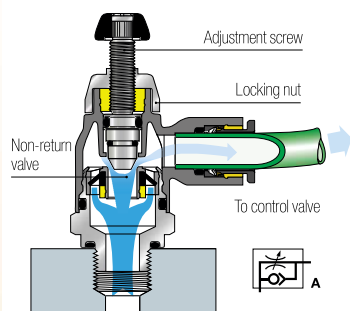


Bi-Directional Version

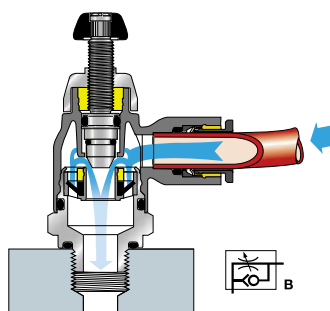


Models with External Adjustment

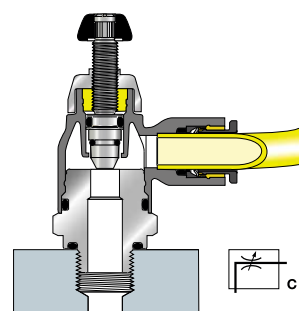
Uni-Directional (Exhaust Version)



Uni-Directional (Supply Version)

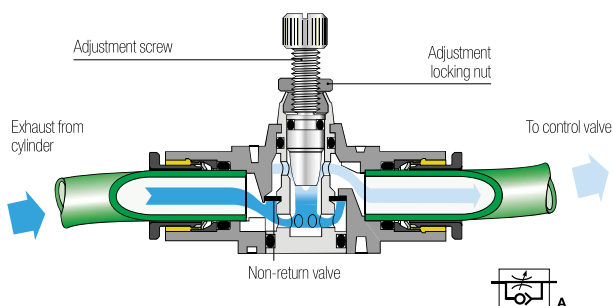


Bi-Directional Version

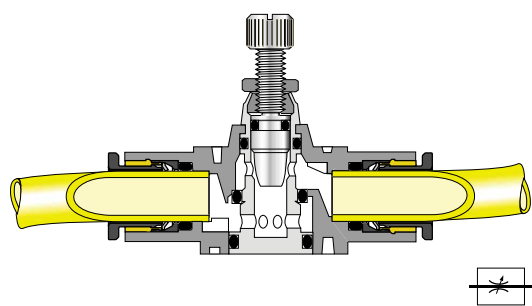


In-Line Models

Uni-Directional Version



Bi-Directional Version

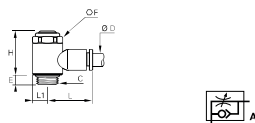


For instant visual identification, each Parker Legris flow control regulator version is identified by the related pneumatic symbol and by a letter:

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

7010 Flow Regulator Male BSPP and Metric Thread

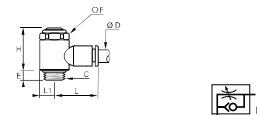
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	H	L	L1	Kg
4	M5x0.8	7010 04 19	4	8	17.5	17	5	0.006
	G1/8	7010 04 10	5	13	25	19	7	0.017
6	M5x0.8	7010 06 19	4	8	17.5	19	5	0.006
	G1/8	7010 06 10	5	13	25	21	7	0.018
8	G1/8	7010 06 13	8	17	26.5	22	9.5	0.034
	G1/8	7010 08 10	5	13	25	26	7	0.019
8	G1/4	7010 08 13	8	17	26.5	27	9.5	0.035
	G3/8	7010 08 17	7.5	20	37.5	29	11	0.068
	G1/4	7010 10 13	8	17	26.5	29	9.5	0.035
10	G3/8	7010 10 17	7.5	20	37.5	31	11	0.067
	G1/2	7010 10 21	8	23	43	37	13.5	0.117
12	G3/8	7010 12 17	7.5	20	37.5	34.5	11	0.069
	G1/2	7010 12 21	8	23	43	37	13.5	0.108

7011 Flow Regulator Male BSPP and Metric Thread

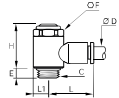
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	H	L	L1	Kg
4	M5x0.8	7011 04 19	4	8	17.5	17	5	0.006
	G1/8	7011 04 10	5	13	25	19	7	0.017
6	M5x0.8	7011 06 19	4	8	17.5	19	5	0.006
	G1/8	7011 06 10	5	13	25	21	7	0.018
8	G1/8	7011 06 13	8	17	26.5	22	9.5	0.034
	G1/8	7011 08 10	5	13	25	26	7	0.019
8	G1/4	7011 08 13	8	17	26.5	27	9.5	0.034
	G3/8	7011 08 17	7.5	20	37.5	29	11	0.067
10	G1/4	7011 10 13	8	17	26.5	29	9.5	0.036
	G3/8	7011 10 17	7.5	20	37.5	31	11	0.068

7012 Bi-Directional Flow Regulator Male BSPP and Metric Thread

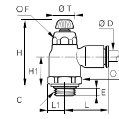
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	H	L	L1	Kg
4	M5x0.8	7012 04 19	4	8	17.5	17	5	0.006
	G1/8	7012 04 10	5	13	25	19	7	0.018
	M5x0.8	7012 06 19	4	8	17.5	19	5	0.006
6	G1/8	7012 06 10	5	13	25	21	7	0.019
	G1/4	7012 06 13	8	17	26.5	22	9.5	0.035
	G1/8	7012 08 10	5	13	25	26	7	0.019
8	G1/4	7012 08 13	8	17	26.5	27	9.5	0.036
	G3/8	7012 08 17	7.5	20	37.5	29	11	0.071

7061 Compact Flow Regulator Supply, Male BSPP Thread

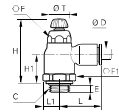
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	F1	H	H max	H1	L	L1	ØT	Kg
4	G1/8	7061 04 10	5	10	16	38	44	16	22	9	10	0.020
	G1/8	7061 06 10	5	10	16	38	44	16	22	9	10	0.020
6	G1/4	7061 06 13	5.5	10	16	36.5	42.5	15	22	9	10	0.021
	G1/8	7061 08 10	4.5	14	19	41.5	48	18	28	10.5	14	0.033
8	G1/4	7061 08 13	5.5	14	19	41.5	48	18.5	28	10.5	14	0.034
	G3/8	7061 08 17	5.5	14	23	41.5	48	17	28	11	14	0.033
10	G1/4	7061 10 13	5.5	17	23	45.5	53.5	20	31.5	12.5	17	0.053
	G3/8	7061 10 17	5.5	17	23	45.5	54	20	31.5	12.5	17	0.054
12	G1/2	7061 12 21	7.5	17	24	45.5	54	20	35	13	17	0.060

7060 Compact Flow Regulator Exhaust, Male BSPP Thread

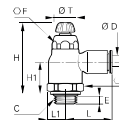
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	F1	H	H max	H1	L	L1	ØT	Kg
4	G1/8	7060 04 10	5	10	16	38	44	16	22	9	10	0.020
	G1/8	7060 06 10	5	10	16	38	44	16	22	9	10	0.020
6	G1/4	7060 06 13	5.5	10	16	36.5	42.5	15	22	9	10	0.020
	G1/8	7060 08 10	4.5	14	19	41.5	48	18	28	10.5	14	0.032
8	G1/4	7060 08 13	5.5	14	19	41.5	48	18.5	28	10.5	14	0.034
	G3/8	7060 08 17	5.5	14	19	41.5	48	17	28	11	14	0.034
10	G1/4	7060 10 13	5.5	17	23	45.5	53.5	20	31.5	12.5	17	0.053
	G3/8	7060 10 17	5.5	17	23	45.5	54	20	31.5	12.5	17	0.054
12	G3/8	7060 12 17	5.5	17	23	45.5	54	20	35	12.5	17	0.056
	G1/2	7060 12 21	7.5	17	24	45.5	54	20	35	13	17	0.058

7062 Bi-Directional Compact Flow Regulator, Male BSPP Thread

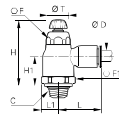
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	F1	H	H max	H1	L	L1	ØT	Kg
4	G1/8	7062 04 10	5	10	16	38	44	16	22	9	10	0.025
	G1/8	7062 06 10	5	10	16	38	44	16	22	9	10	0.025
6	G1/4	7062 06 13	5.5	10	16	36.5	42.5	15	22	9	10	0.025
	G1/8	7062 08 10	4.5	14	19	41.5	48	18	28	10.5	14	0.043
8	G1/4	7062 08 13	5.5	14	19	41.5	48	18.5	28	10.5	14	0.046
	G3/8	7062 08 17	5.5	14	19	41.5	48	17	28	11	14	0.042

7065 Compact Flow Regulator Exhaust, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

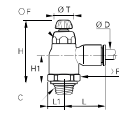


ØD	C		F	F1	H max	H min	H1	L	L1	ØT	Kg
6	R1/8	7065 06 10	10	16	42.5	36.5	15	22	8	10	0.021
	R1/8	7065 08 10	14	19	45	40	16.5	28	10.5	14	0.034
8	R1/4	7065 08 13	14	19	45	40	16.5	28	10.5	14	0.036
	R1/4	7065 10 13	17	23	51.5	43.5	18	31.5	12.5	17	0.053
10	R3/8	7065 10 17	17	23	51.5	43.5	18	31.5	12.5	17	0.055
	R1/2	7065 10 21	17	23	51.5	43.5	18	31.5	12.5	17	0.059
12	R1/4	7065 12 13	17	23	51.5	43.5	18	35	12.5	17	0.056
	R3/8	7065 12 17	17	23	51.5	43.5	18	35	12.5	17	0.059
	R1/2	7065 12 21	17	23	51.5	43.5	18	35	12.5	17	0.064

Pre-coated thread

7067 Bi-Directional Compact Flow Regulator, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		F	F1	H max	H min	H1	L	L1	ØT	Kg
4	R1/8	7067 04 10	10	16	42.5	36.5	14.7	22	9	10	0.025
	R1/8	7067 06 10	10	16	42.5	36.5	14.7	22	9	10	0.010
6	R1/4	7067 06 13	10	16	42.5	36.5	14.7	22	9	10	0.014
	R1/8	7067 08 10	14	19	45	40	16.5	28	10.5	14	0.034
8	R1/4	7067 08 13	14	19	45	40	16.5	28	10.5	14	0.036
	R3/8	7067 08 17	14	19	45	40	16.5	28	11	14	0.042

Pre-coated thread