

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

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

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).

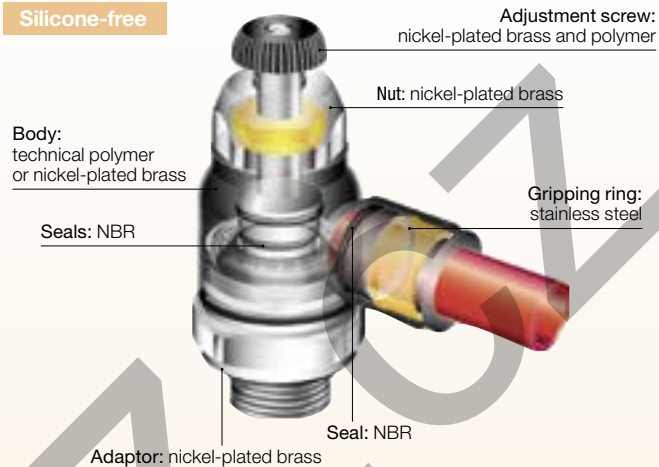
You will find all the flow rate characteristic curves (to 6 bar) for Flow Control Regulators at the end of the chapter.

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

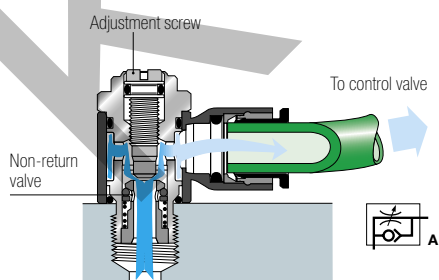
Operation

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.

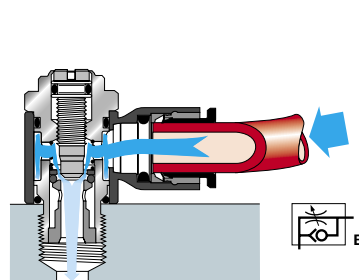
A more precise and constant flow regulation is obtained when the regulator is fitted directly onto the cylinder.

Models with Recessed Adjustment

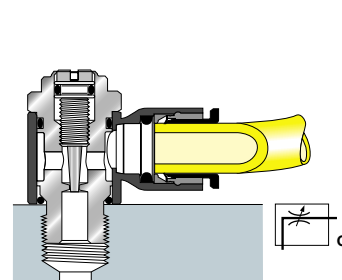
Uni-Directional (Exhaust Version)



Uni-Directional (Supply Version)



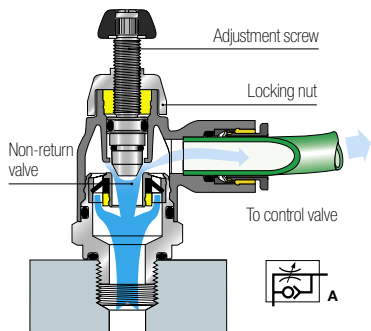
Bi-Directional Version



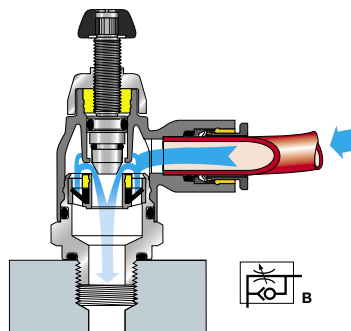
Flow Control Regulators

Models with External Adjustment

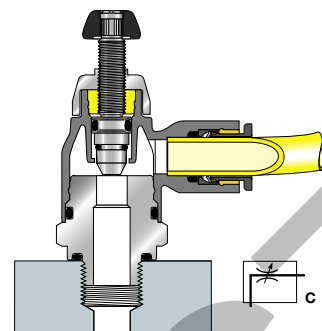
Uni-Directional (Exhaust Version)



Uni-Directional (Supply Version)

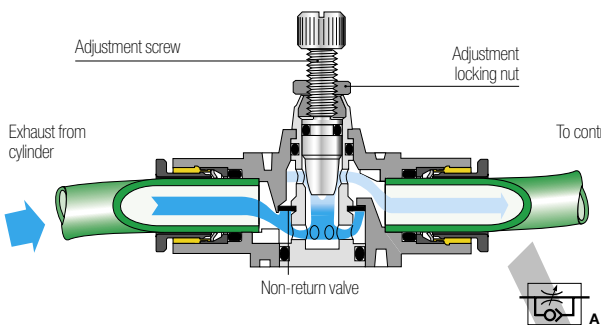


Bi-Directional Version

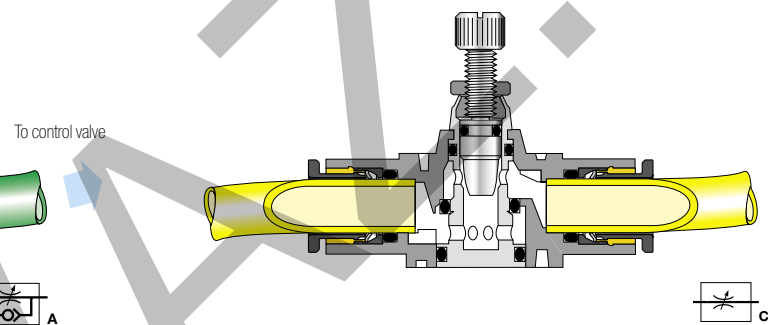


In-Line Models

Uni-Directional Version



Bi-Directional Version

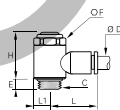


For instant visual identification, each Parker Legris flow control regulator version is identified by the related pneumatic symbol and by a letter:

- 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

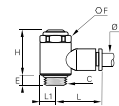
Technical polymer, Nickel-plated brass, NBR



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 08 10	5	13	25	26	7	0.019
	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
10	G1/4	7010 10 13	8	17	26.5	29	9.5	0.035
	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

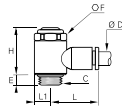


ØD	C		E	F	H	L	L1	Kg
4	M5x0.8	7011 04 19	4	8	17.5	17	5	0.006
	G1/8	7011 04 10	5	13	25	19	7	0.017
6	M5x0.8	7011 06 19	4	8	17.5	19	5	0.006
	G1/8	7011 06 10	5	13	25	21	7	0.018
8	G1/8	7011 08 10	5	13	25	26	7	0.019
	G1/4	7011 08 13	8	17	26.5	27	9.5	0.034
	G3/8	7011 08 17	7.5	20	37.5	29	11	0.067
10	G1/4	7011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

Polymer Flow Control Regulators / With Recessed Adjustment

7012 Bi-Directional Flow Regulator Male BSPP and Metric Thread

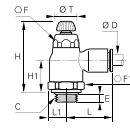
Technical polymer, Nickel-plated brass, NBR



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
6	M5x0.8	7012 06 19	4	8	17.5	19	5	0.006
	G1/8	7012 06 10	5	13	25	21	7	0.019
6	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

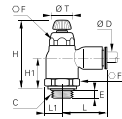
Technical polymer, Nickel-plated brass, NBR



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

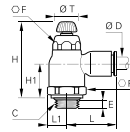
Technical polymer, Nickel-plated brass, NBR



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

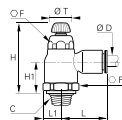
Technical polymer, Nickel-plated brass, NBR



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

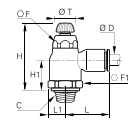


ØD	C		F	F1	H max	H min	H1	L	L1	ØT	Kg
6	R1/8	7065 06 10	10	16	42.5	36.5	15	22	8	10	0.021
	R1/8	7065 08 10	14	19	45	40	16.5	28	10.5	14	0.034
8	R1/4	7065 08 13	14	19	45	40	16.5	28	10.5	14	0.036
	R1/4	7065 10 13	17	23	51.5	43.5	18	31.5	12.5	17	0.053
10	R3/8	7065 10 17	17	23	51.5	43.5	18	31.5	12.5	17	0.055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



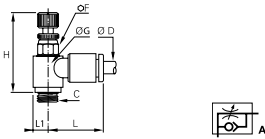
ØD	C		F	F1	H max	H min	H1	L	L1	ØT	Kg
4	R1/8	7067 04 10	10	16	42.5	36.5	14.7	22	9	10	0.025
	R1/8	7067 06 10	10	16	42.5	36.5	14.7	22	9	10	0.010
6	R1/4	7067 06 13	10	16	42.5	36.5	14.7	22	9	10	0.014
	R1/8	7067 08 10	14	19	45	40	16.5	28	10.5	14	0.034
8	R1/4	7067 08 13	14	19	45	40	16.5	28	10.5	14	0.036
	R3/8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

Pre-coated thread

Polymer Flow Control Regulators / With External Adjustment

7660 Miniature Flow Regulator Exhaust, Male BSPP and Metric Thread

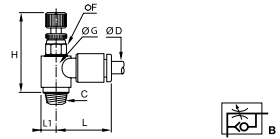
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H max	H min	L	L1	Kg
3	M3x0.5	7660 03 09	6	9	26	23.5	17	4.5	0.007
	M5x0.8	7660 03 19	6	9	26	23.5	17	4.5	0.006
4	M3x0.5	7660 04 09	6	9	26	23.5	16.5	4.5	0.007
	M5x0.8	7660 04 19	6	9	26	23.5	17	4.5	0.006
	G1/8	7660 04 10	7	11.5	29.5	27	18	6	0.012
6	M5x0.8	7660 06 19	6	9	26	23.5	18	4.5	0.006
	G1/8	7660 06 10	7	11.5	29.5	27	18.5	6	0.012
	G1/4	7660 06 13	8	12	32.5	30	19	6	0.019
8	G1/8	7660 08 10	13	14	31	26.5	26	7	0.021
	G1/4	7660 08 13	16	19	34	29	27.5	9.5	0.033
	G3/8	7660 08 17	20	23	42	36	29	11.5	0.061

7668 Miniature Flow Regulator Supply, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

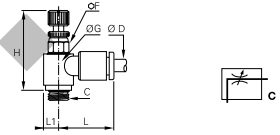


ØD	C		F	G	H max	H min	L	L1	Kg
4	R1/8	7668 04 10	7	11.5	28.5	25.5	18	6	0.011
6	R1/8	7668 06 10	7	11.5	29	24	18.5	6	0.012
	R1/4	7668 06 13	8	13.5	31	27	19	7	0.019
8	R1/8	7668 08 10	13	14	28.5	25	26	7	0.020
	R1/4	7668 08 13	16	19	30	26	27.5	9.5	0.032

Pre-coated thread

7662 Bi-Directional Miniature Flow Regulator, Male BSPP and Metric Thread

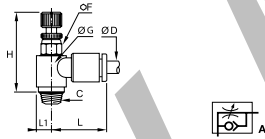
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H max	H min	L	L1	Kg
4	M5x0.8	7662 04 19	6	9	26	23.5	17	4.5	0.007
	G1/8	7662 04 10	7	11.5	29.5	27	18	6	0.013
6	M5x0.8	7662 06 19	6	9	26	23.5	18	4.5	0.010
	G1/8	7662 06 10	7	11.5	29.5	27	18.5	6	0.013
	G1/4	7662 06 13	8	12	32.5	30	19	6	0.019

7665 Miniature Flow Regulator Exhaust, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

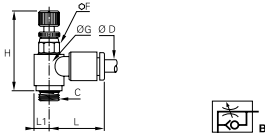


ØD	C		F	G	H max	H min	L	L1	Kg
4	R1/8	7665 04 10	7	11.5	27.5	25	18	6	0.012
	R1/8	7665 06 10	7	11.5	27.5	25	18.5	6	0.012
6	R1/4	7665 06 13	8	13.5	30	27.5	19	7	0.019
	R3/8	7665 06 17	17	13.5	34	31.5	19	7	0.025
	R1/8	7665 08 10	13	14	28.5	24	26	7	0.021
8	R1/4	7665 08 13	16	19	29	25	27.5	9.5	0.033
	R3/8	7665 08 17	20	23	36	30	29	11.5	0.061

Pre-coated thread

7669 Miniature Flow Regulator Supply, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

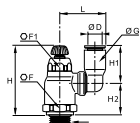


ØD	C		F	G	H max	H min	L	L1	Kg
3	M3x0.5	7669 03 09	6	9	26.5	24	17	4.5	0.008
	M5x0.8	7669 03 19	6	9	27.5	25	17	4.5	0.007
4	M5x0.8	7669 04 19	6	9	27.5	25	17	4.5	0.006
	G1/8	7669 04 10	7	11.5	31	28	18	6	0.012
	M5x0.8	7669 06 19	6	9	27	23.5	18	4.5	0.007
6	G1/8	7669 06 10	7	11.5	31	28	18.5	6	0.012
	G1/4	7669 06 13	8	12	34	30.5	19	6	0.019
	G1/8	7669 08 10	13	14	32	29	26	7	0.021
8	G1/4	7669 08 13	16	19	33.5	29.5	27.5	9.5	0.032
	G3/8	7669 08 17	20	23	41	37	29	11.5	0.063

Polymer Flow Control Regulators / With External Adjustment

7040 Compact Flow Regulator Swivel Outlet Exhaust, Male BSPP Thread

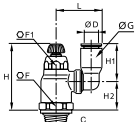
Technical polymer, Nickel-plated brass, NBR



ØD	C	F	F1	G	H max	H min	H1	H2	L	Kg	
6	G1/8	7040 06 10	16	10	10.5	44	38	16	18	23.5	0.024
	G1/4	7040 06 13	16	10	10.5	42.5	36.5	16	16.5	23.5	0.023
	G1/8	7040 08 10	19	14	13.5	48	41.5	23	19	28	0.037
8	G1/4	7040 08 13	19	14	13.5	48	41.5	23	19.5	28	0.039
	G3/8	7040 08 17	19	14	13.5	48	41.5	23	17.5	28	0.020
	G1/4	7040 10 13	23	17	16	53.5	45.5	26.5	21	35	0.051
10	G3/8	7040 10 17	23	17	16	54	45.5	26.5	21.5	35	0.063
	G3/8	7040 12 17	23	17	19	54	45.5	30.5	21.5	38	0.066
	G1/2	7040 12 21	24	17	19	54	45.5	30.5	21	38	0.071

7045 Compact Flow Regulator Swivel Outlet Exhaust, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

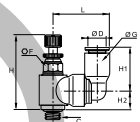


ØD	C	F	F1	G	H max	H min	H1	H2	L	Kg	
10	R3/8	7045 10 17	23	17	16	51.5	43.5	26.5	19	35	0.065
12	R3/8	7045 12 17	23	17	19	51.5	43.5	31	19	38	0.065

Pre-coated thread

7640 Miniature Swivel Outlet Flow Regulator Exhaust, Male BSPP and Metric Thread

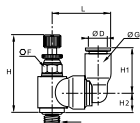
Technical polymer, Nickel-plated brass, NBR



ØD	C	F	G	H max	H min	H1	H2	L	Kg	
4	M5x0.8	7640 04 19	6	8.5	26	23.5	14	6.5	19.5	0.011
	G1/8	7640 04 10	7	8.5	29.5	27	14	8	19.5	0.015
6	M5x0.8	7640 06 19	6	10.5	26	23.5	16	6.5	21	0.001
	G1/8	7640 06 10	7	10.5	29.5	27	16	8	20.5	0.015

7649 Miniature Swivel Outlet Flow Regulator Supply, Male BSPP and Metric Thread

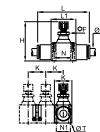
Technical polymer, Nickel-plated brass, NBR



ØD	C	F	G	H max	H min	H1	H2	L	Kg	
4	M5x0.8	7649 04 19	6	8.5	27	24	14	6.5	19	0.015
6	M5x0.8	7649 06 19	6	10.5	27	24	16	6.5	21	0.008
	G1/8	7649 06 10	7	10.5	30.5	28	16	8.5	21.5	0.015

7770 In-Line One-Way Flow Regulator

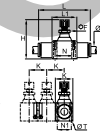
Technical polymer, Nickel-plated brass, NBR



ØD	F	H max	H min	K	L	L1	N	N1	ØT	Kg	
4	7770 04 00	5	33.5	29.5	12	36	15	11	8	2.2	0.009
6	7770 06 00	8	44.5	40.5	17	51	23	17	11	3.2	0.024
8	7770 08 00	11	52.5	46.5	18.5	58	26	20	12.5	3.2	0.048
10	7770 10 00	14	61	53	24	73	33	26	16	4.2	0.097
12	7770 12 00	14	67.5	59	28	85	35	27.5	20	4.2	0.132

7772 Bi-Directional In-Line Flow Regulator

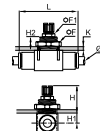
Technical polymer, Nickel-plated brass, NBR



ØD	F	H max	H min	K	L	L1	N	N1	ØT	Kg	
4	7772 04 00	5	33.5	29.5	12	36	15	11	8	2.2	0.009
6	7772 06 00	8	44.5	40	17	51	23	17	11	3.2	0.024
8	7772 08 00	11	52.5	46.5	18.5	58	26	20	12.5	3.2	0.054

7776 Panel-Mountable In-Line One-Way Flow Regulator

Technical polymer, Nickel-plated brass, NBR

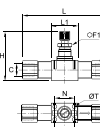


ØD	F	F1	H	H max	H1	H2	K	L	ØT	Kg	
4	7776 04 00*	14	39.5	43	6.5	11	6	36	10.5	0.015	
6	7776 06 00*	22	45.5	49	7.5	13.5	7	51	16.5	0.038	
8	7776 08 00	22	11	45.5	54	9	13.5	7	58	18.5	0.069
10	7776 10 00	30	14	54	62	11.5	13.5	7	73	24.5	0.136
12	7776 12 00	32	14	61	71	12.5	15.5	8	85	27.5	0.185

*Ultrafine adjustment

7771 In-Line One-Way Flow Regulator, Female BSPP Thread

Technical polymer, Nickel-plated brass, NBR



C	F	F1	H max	H min	L	L1	N	N1	ØT	Kg	
G1/8	7771 10 10	13	8	44.5	39.5	68.5	23	17	11	3.2	0.043
G1/4	7771 13 13	16	11	50	44	83	26	20	12.5	3.2	0.103
G3/8	7771 17 17	19	14	61	52	97	33	26	16	4.2	0.160
G1/2	7771 21 21	24	14	67.5	57.5	121	35	27.5	20	4.2	0.260

Polymer Flow Control Regulators / With External Adjustment

7000 Joining Clips

Technical polymer

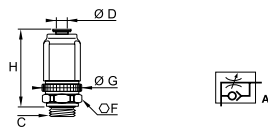


ØD		Kg
4	7000 00 04	0.001
6-8	7000 00 05	0.005
10-12	7000 00 06	0.001

To be used with 7770,7771,7772 and 7776 series.

7020 Straight Flow Regulator Exhaust, Male BSPP Thread

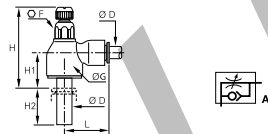
Technical polymer, Nickel-plated brass, NBR



ØD	C	F	G	H max	H min	Kg	
8	G1/8	7020 08 10	24	27	52.5	46.5	0.110

7030 Compact Plug-In Flow Regulator, Exhaust

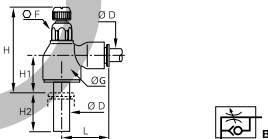
Technical polymer, Nickel-plated brass, NBR



ØD		F	G	H max	H min	H1	H2	L	Kg
6	7030 06 00	10	16	41	35	14	17	22	0.013
8	7030 08 00	14	19	46.5	39.5	16	21.5	28	0.022
12	7030 12 00	17	23	51	43	17	27	35	0.044

7031 Compact Plug-In Flow Regulator, Supply

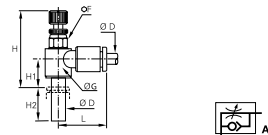
Technical polymer, Nickel-plated brass, NBR



ØD		F	G	H max	H min	H1	H2	L	Kg
6	7031 06 00	10	16	41	35	14	17	22	0.013
8	7031 08 00	14	19	46.5	39.5	16	21.5	28	0.035

7630 Miniature Plug-In Flow Regulator, Exhaust

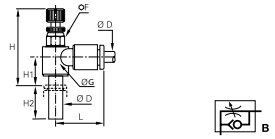
Technical polymer, Nickel-plated brass, NBR



ØD		F	G	H max	H min	H1	H2	L	Kg
4	7630 04 00	6	9	28	25.5	9.5	15.5	17	0.007
6	7630 06 00	7	11.5	29	27.5	10.5	17	18.5	0.012

7631 Miniature Plug-In Flow Regulator, Supply

Technical polymer, Nickel-plated brass, NBR

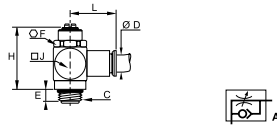


ØD		F	G	H max	H min	H1	H2	L	Kg
4	7631 04 00	6	9	28	25.5	9.5	15.5	17	0.007
6	7631 06 00	7	11.5	29	27.5	10.5	17	18.5	0.011

Metal Flow Control Regulators / With Recessed Adjustment

7130 Flow Regulator, Exhaust, Male BSPP and Metric Thread

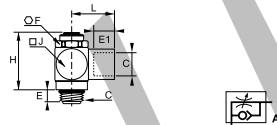
Nickel-plated brass, NBR



ØD	C		E	F	H	J	L	Kg
4	M5x0.8	7130 04 19	4	8	17	9	19	0.010
	G1/8	7130 04 10	5	13	29	15	20	0.037
6	M5x0.8	7130 06 19	4	8	17	9	24	0.013
	G1/8	7130 06 10	5	13	29	15	22	0.038
	G1/4	7130 06 13	8	17	31	18	24	0.062
8	G1/8	7130 08 10	5	13	29	15	25	0.042
	G1/4	7130 08 13	8	17	31	18	28	0.066
	G3/8	7130 08 17	7	20	40	21.5	29	0.109
10	G1/4	7130 10 13	8	17	31	18	30	0.075
	G3/8	7130 10 17	7	20	40	21.5	32	0.119
12	G1/2	7130 10 21	8	23	53	28	34	0.227
	G3/8	7130 12 17	7	20	40	22	36	0.064
	G1/2	7130 12 21	8	23	53	28	38	0.306

7140 Flow Regulator Exhaust, Male/Female BSPP and Metric Thread

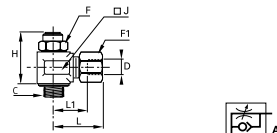
Nickel-plated brass, NBR



C		E	E1	F	H	J	L	Kg
M5x0.8	7140 19 19	4	4	8	21	9	11	0.009
G1/8	7140 10 10	5	8	13	32	15	17	0.039
G1/4	7140 13 13	8	12	17	39	18	24	0.073
G3/8	7140 17 17	7	12	20	47	21.5	27	0.124
G1/2	7140 21 21	8	15	23	61	28	31	0.238

7160 Flow Regulator with Brass Compression Fitting, Exhaust, Male BSPP Thread

Nickel-plated brass, NBR

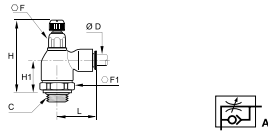


ØD	C		F	F1	H	J	L	L1	Kg
4	G1/8	7160 04 10	13	10	26	17	25.5	14.5	0.051
	G1/8	7160 06 10	13	13	26	17	25.5	14.5	0.054
6	G1/4	7160 06 13	17	13	31.5	22	28.5	17.5	0.101
	G1/8	7160 08 10	13	14	26	17	29.5	15.5	0.055
8	G1/4	7160 08 13	17	14	31.5	22	31	17	0.101
	G1/4	7160 10 13	17	19	31.5	22	35	19	0.117
10	G3/8	7160 10 17	20	19	44.5	22	37.5	19	0.190
	G1/2	7160 10 21	23	19	50	27	37.5	19	0.204
12	G1/2	7160 12 21	23	22	50	27	38	21.5	0.212

Metal Flow Control Regulators / With External Adjustment

7100 Compact Flow Regulator, Exhaust, Male BSPP Thread

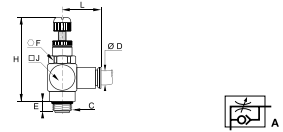
Nickel-plated brass, NBR



ØD	C		F	F1	H max	H min	H1	L	Kg
4	G1/8	7100 04 10	10	19	53	47	23	21	0.080
6	G1/8	7100 06 10	10	19	53	47	23	24.5	0.082
	G1/4	7100 06 13	10	19	53	47.5	23.5	24.5	0.085
8	G1/8	7100 08 10	14	19	55	50	24.5	29	0.097
	G3/8	7100 08 17	17	25	62	56	27	30.5	0.154
10	G1/4	7100 10 13	14	19	56	50	25	35	0.106
	G3/8	7100 10 17	17	25	62	56	27	35	0.157
12	G3/8	7100 12 17	17	25	62	56	27	38	0.198
	G1/2	7100 12 21	17	25	62	55	27	38	0.207
14	G1/2	7100 14 21	17	25	62	55	27	41	0.205

7180 Miniature Flow Regulator Exhaust, Male BSPP and Metric Thread

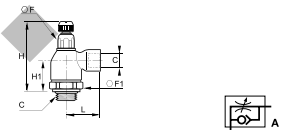
Nickel-plated brass, NBR



ØD	C		E	F	H max	H min	J	L	Kg
4	M5x0.8	7180 04 19	4	8	29	24	10	19	0.012
	G1/8	7180 04 10	5	13	44	39	15	20	0.041
6	M5x0.8	7180 06 19	4	8	29	24	10	24	0.015
	G1/8	7180 06 10	5	13	44	39	15	22	0.043
8	G1/8	7180 08 10	5	13	44	39	15	26	0.049

7110 Compact Flow Regulator Exhaust, Male/ Female BSPP Thread

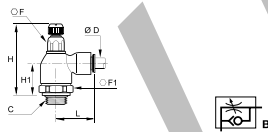
Nickel-plated brass, NBR



C		F	F1	H max	H min	H1	L	Kg
G1/8	7110 10 10	10	19	52.5	47	23	22.5	0.080
G1/4	7110 13 13	14	19	55.5	50.5	25	32	0.107
G3/8	7110 17 17	17	25	62	56	27	34.5	0.212
G1/2	7110 21 21	17	25	62	55	27	37.5	0.191

7101 Compact Flow Regulator, Supply, Male BSPP Thread

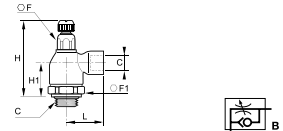
Nickel-plated brass, NBR



ØD	C		F	F1	H max	H min	H1	L	Kg
4	G1/8	7101 04 10	10	19	53	47	23	21	0.096
6	G1/8	7101 06 10	10	19	53	47	23	24.5	0.081
	G1/4	7101 06 13	10	19	53	47.5	23.5	24.5	0.084
8	G1/8	7101 08 10	14	19	55	50	24.5	29	0.097
	G3/8	7101 08 17	17	25	62	56	27	30.5	0.155

7111 Compact Flow Regulator Supply, Male/ Female BSPP Thread

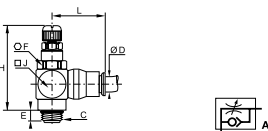
Nickel-plated brass, NBR



C		F	F1	H max	H min	H1	L	Kg
G1/8	7111 10 10	10	19	52.5	47	23	22.5	0.079
G1/4	7111 13 13	14	19	55.5	50.5	25	32	0.108

7680 Compact Flow Regulator, Exhaust, Male BSPP Thread

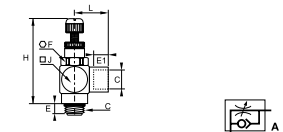
Nickel-plated brass, NBR



ØD	C		E	F	H max	H min	J	L	Kg
6	G1/8	7680 06 10	5	13	44	39	7.5	24.5	0.045
8	G1/8	7680 08 10	5	13	44	39	7.5	24.5	0.047
	G1/4	7680 08 13	8	17	47	41	9	27	0.076
10	G3/8	7680 10 17	7	20	60	50	11	34	0.133
12	G1/2	7680 12 21	8	23	77	65	14	36.5	0.165

7190 Miniature Flow Regulator Exhaust, Male/ Female BSPP and Metric Thread

Nickel-plated brass, NBR

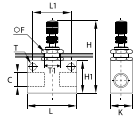


C		E	E1	F	H max	H min	J	L	Kg
M5x0.8	7190 19 19	4	4	8	29	24	10	11	0.012
G1/8	7190 10 10	5	8	13	44	39	15	17	0.044

Metal Flow Control Regulators / With External Adjustment

7170 Panel-Mountable In-Line Flow Regulator, Female BSPP and Metric Thread

Treated aluminium, NBR, brass



C		F	H max	H min	H1	K	L	L1	ØT	Kg
M5x0.8	7170 19 19	12	42	38	15	12	25	18	4.5	0.021
G1/8	7170 10 10	15	56	49	22	18	35	24.7	4.5	0.056
G1/4	7170 13 13	15	64	57	30	20	46	35	6.5	0.088
G3/8	7170 17 17	22	73	62	30	25	50	35	6.5	0.154
G1/2	7170 21 21	22	83	72	40	25	60	44	6.5	0.195

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Metal Flow Control Regulators / Stainless Steel



With its 316L stainless steel body and adjustment screw, this range combines precise adjustment, accuracy and compactness for applications in environments with high mechanical or chemical constraints.

Technical Characteristics

Compatible Fluids	Compressed air 7822: all compatible fluids depending on whether FKM or PTFE seals are used
Working Pressure	7810-7812: 1 to 10 bar 7820: 1 to 16 bar 7822: 1 to 40 bar
Working Temperature	7810 – 7812: 0°C to +70°C 7820 – 7822: -15° to +120°C

Advantages

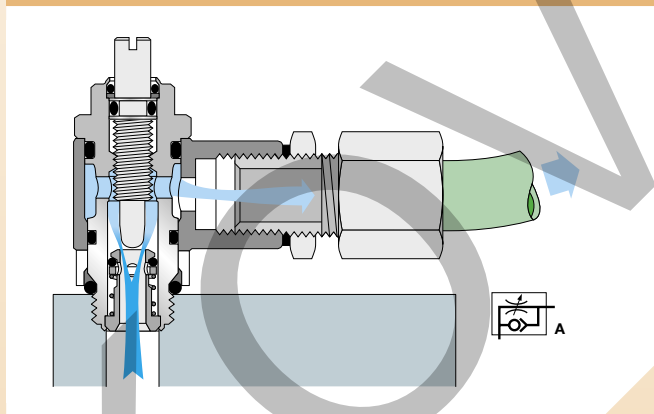
- Compatibility with aggressive, mechanical and chemical environments

For food process applications:

- Guarantees the integrity of the fluids conveyed
- Easy-to-clean

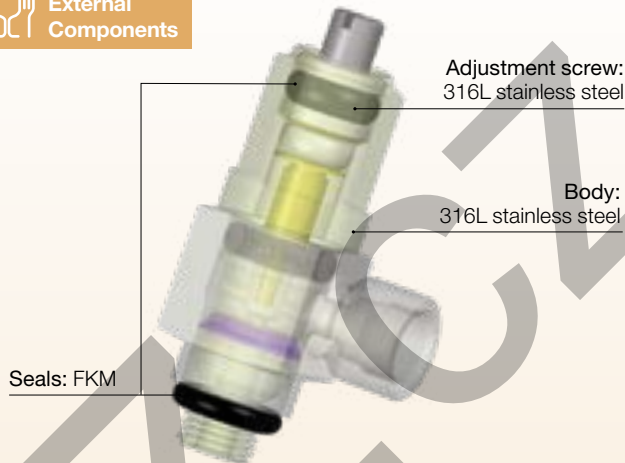
Operation

Exhaust Model with External Adjustment



Component Materials

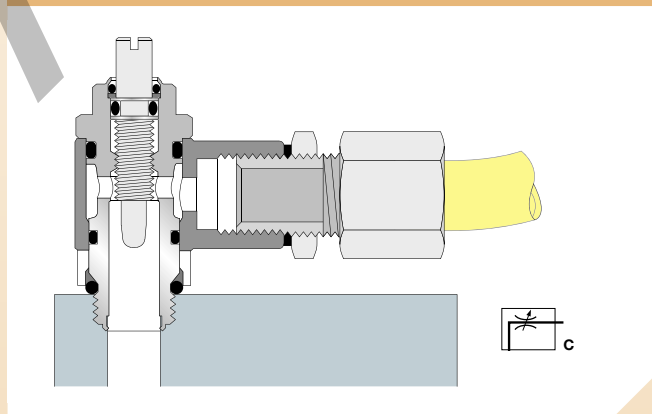
External Components



Regulations

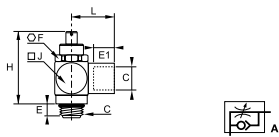
- RoHS
- REACH
- PED
- FDA: 21 CFR 1935/2004

Bi-Directional Model with External Adjustment



7810 Flow Regulator Exhaust, Male/Female BSPP and Metric Thread

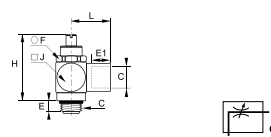
Stainless steel 316L, FKM



C		E	E1	F	H max	H min	J	L	Kg
M5x0.8	7810 19 19	4	4	8	26	22	9	11	0.011
G1/8	7810 10 10	6	8	13	38	32	15	17	0.039
G1/4	7810 13 13	9	12	17	40	35	18	24	0.072
G3/8	7810 17 17	8	12	20	53	43	22	27	0.126
G1/2	7810 21 21	9	15	23	71	60	28	31	0.261

7812 Bi-Directional Flow Regulator, Male/Female BSPP and Metric Thread

Stainless steel 316L, FKM

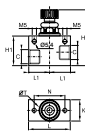



C		E	E1	F	H max	H min	J	L	Kg
M5x0.8	7812 19 19	4	4	8	26	22	9	11	0.011
G1/8	7812 10 10	6	8	13	38	32	15	17	0.040
G1/4	7812 13 13	9	12	17	40	35	18	24	0.074
G3/8	7812 17 17	8	12	20	53	43	22	24	0.125
G1/2	7812 21 21	9	15	23	71	60	28	31	0.261

Metal Flow Control Regulators / Stainless Steel

7820 In-Line One-Way Flow Regulator, Female BSP Thread

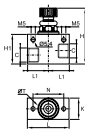
Stainless steel 316L, FKM




DN	C		H max	H min	H1	K	L	L1	N	ØT	Kg
7	G1/8	7820 00 10	52.5	47	30	20	40	20	30	20	0.174
7	G1/4	7820 00 13	52.5	47	30	20	40	20	30	20	0.164
9	G3/8	7820 00 17	65	56	35	25	50	25	36	20	0.285
12	G1/2	7820 00 21	65	58	35	25	50	25	36	20	0.305

7822 Bi-Directional In-Line Flow Regulator, Female BSP Thread

Stainless steel 316L, FKM



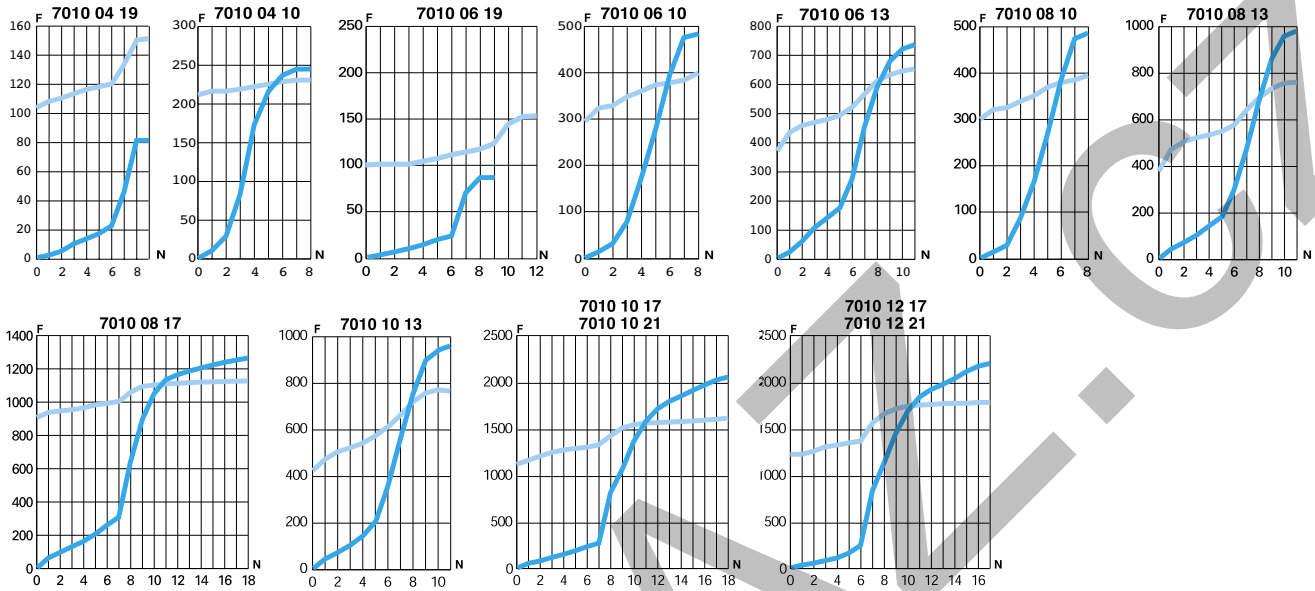
DN	C		H max	H min	H1	K	L	L1	N	ØT	Kg
7	G1/8	7822 00 10	52.5	48	30	20	40	20	30	20	0.176
7	G1/4	7822 00 13	52.5	48	30	20	40	20	30	20	0.164
9	G3/8	7822 00 17	65	58	35	25	50	25	36	20	0.289
12	G1/2	7822 00 21	87	76	40	30	60	30	42	30	0.265

Flow Characteristics (at 6 bar) for Flow Control Regulators

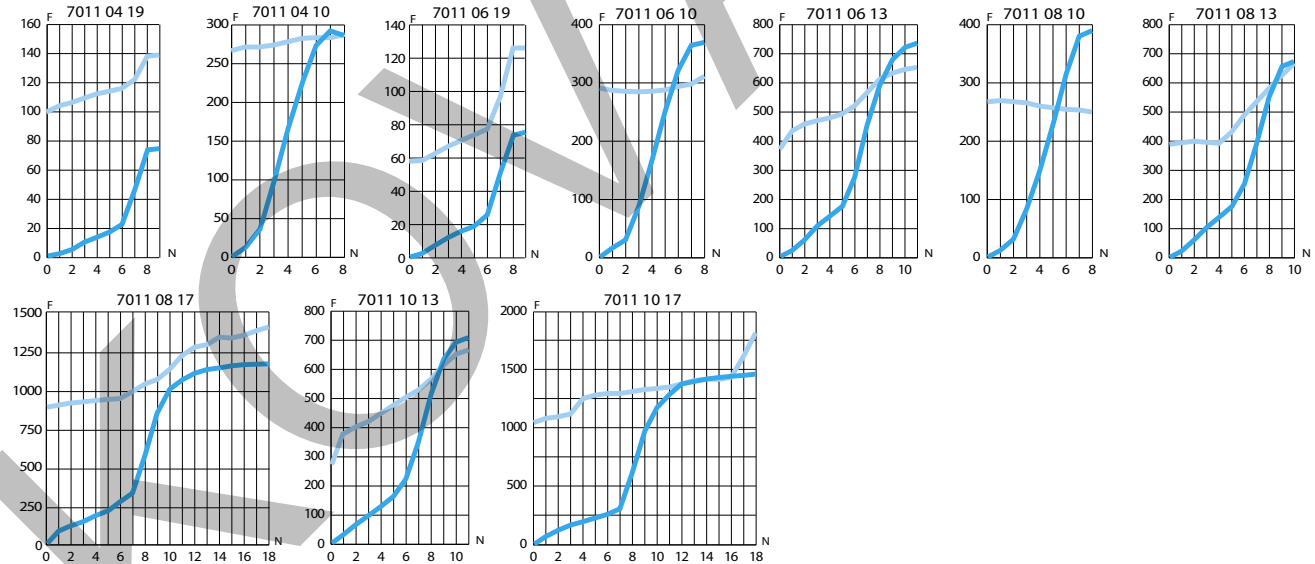


7010
7011
7012

7010



7011



7012

Flow characteristics for model 7012:

- exhaust version (see model 7010, direction of adjustment)
- supply version (see model 7011, direction of adjustment)

6 bar

Direction of adjustment
 Return

F: Flow in NI/min

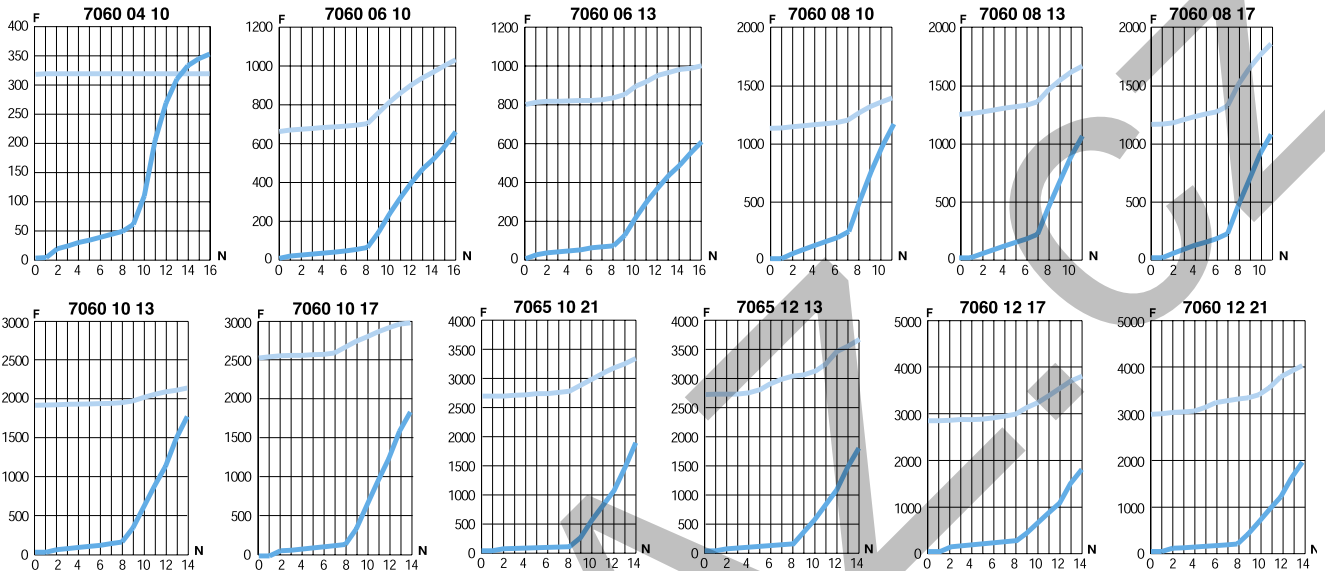
N: Number of turns

Flow Characteristics (at 6 bar) for Flow Control Regulators

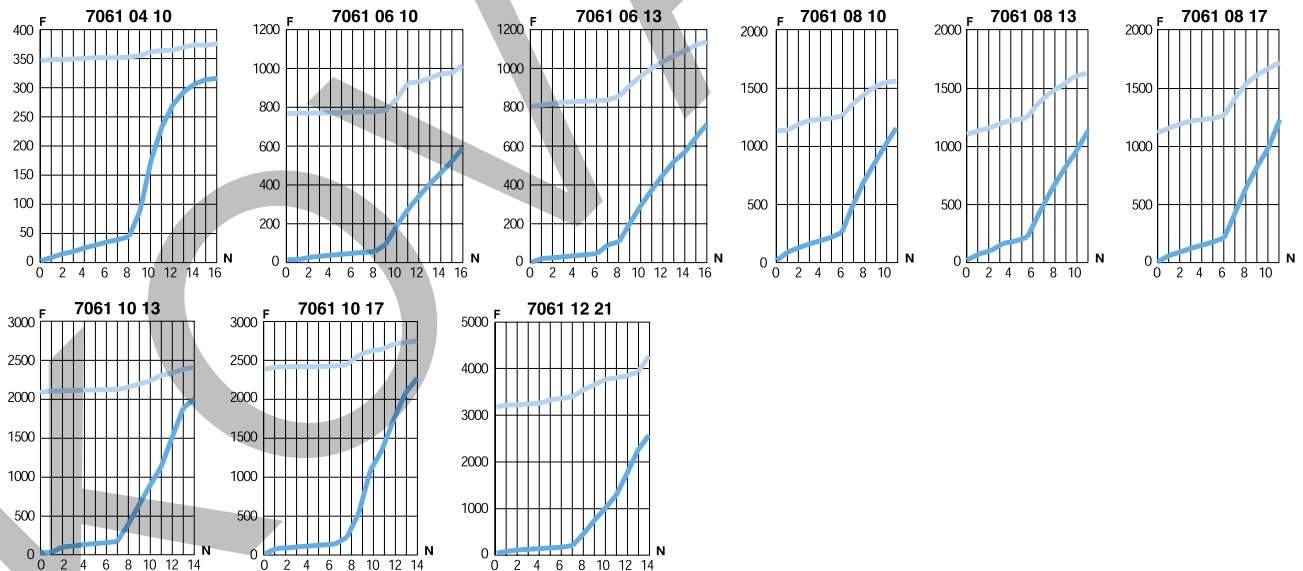


7060
7061
7062

7060



7061



7062

Flow characteristics for model 7062:

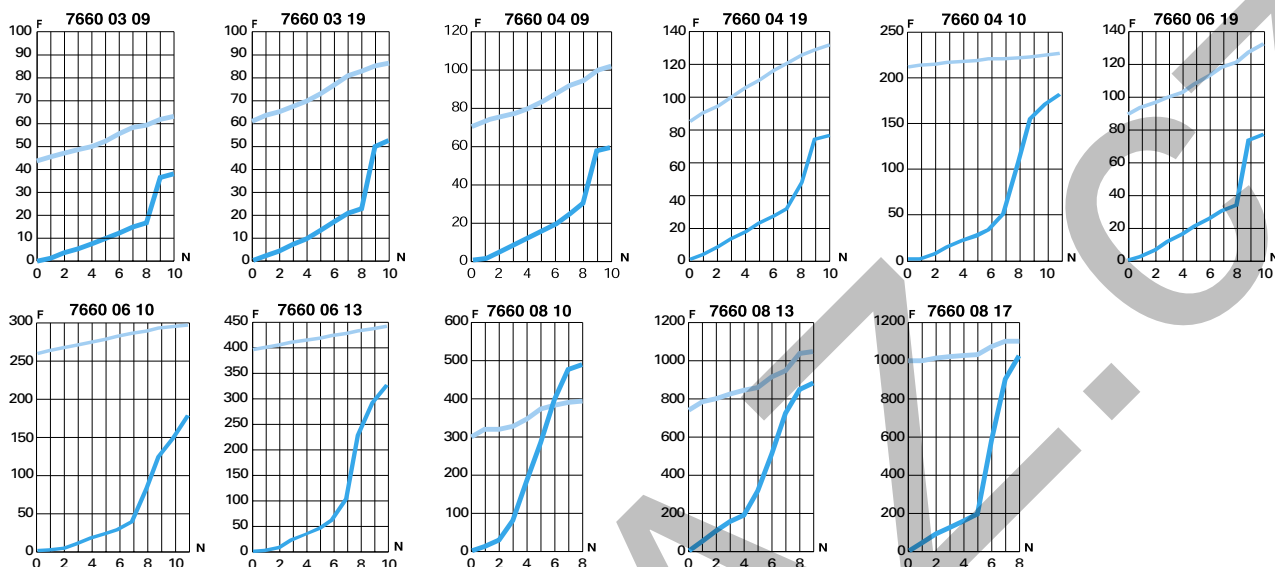
- exhaust version (see model 7060, direction of adjustment)
- supply version (see model 7061, direction of adjustment)

Flow Characteristics (at 6 bar) for Flow Control Regulators

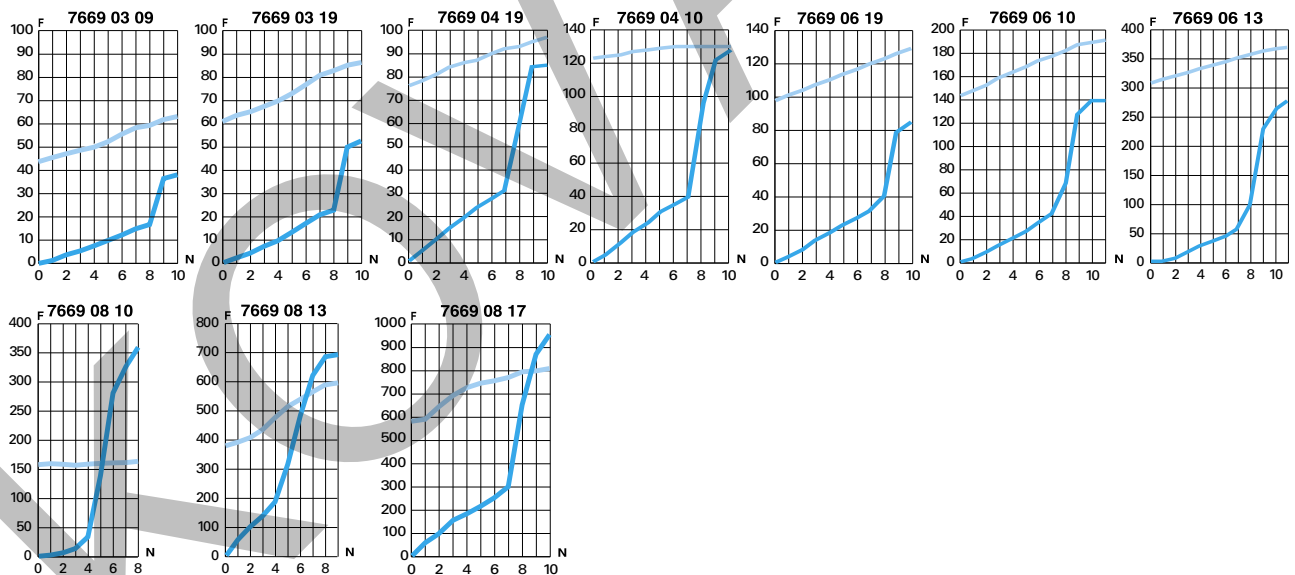


7660
7669
7662

7660



7669



7662

Flow characteristics for model 7662:

- exhaust version: see model 7660, direction of adjustment
- supply version: see model 7669, direction of adjustment

6 bar

Direction of adjustment
 Return

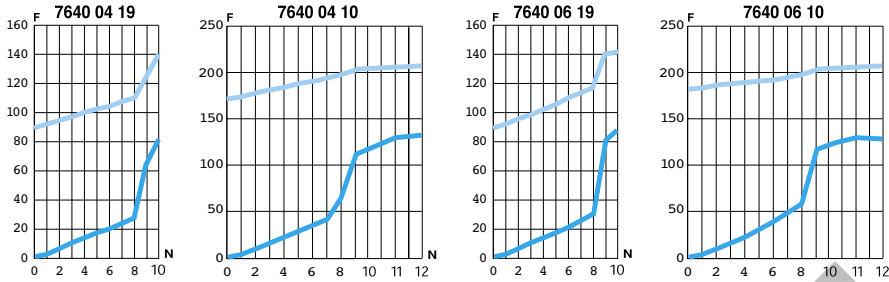
F: Flow in NI/min
N: Number of turns

Flow Characteristics (at 6 bar) for Flow Control Regulators

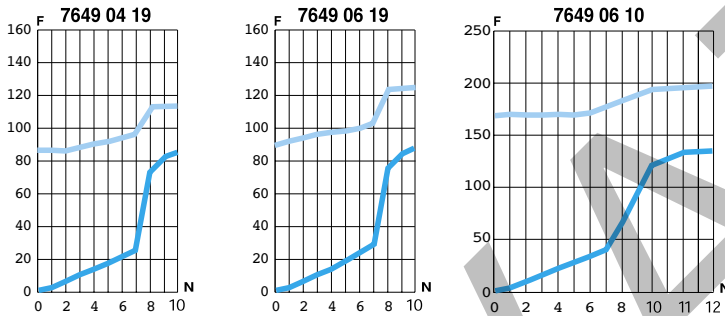


7640
7649

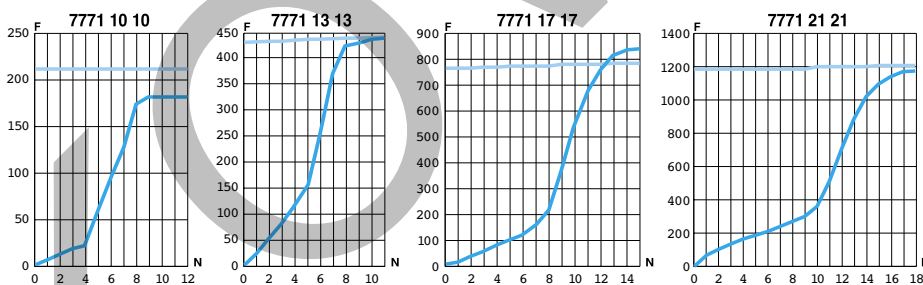
7640



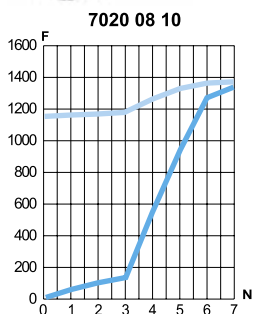
7649



7771



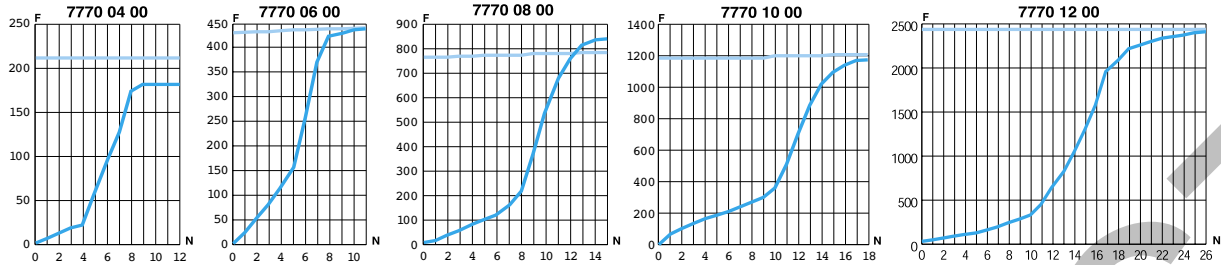
7020



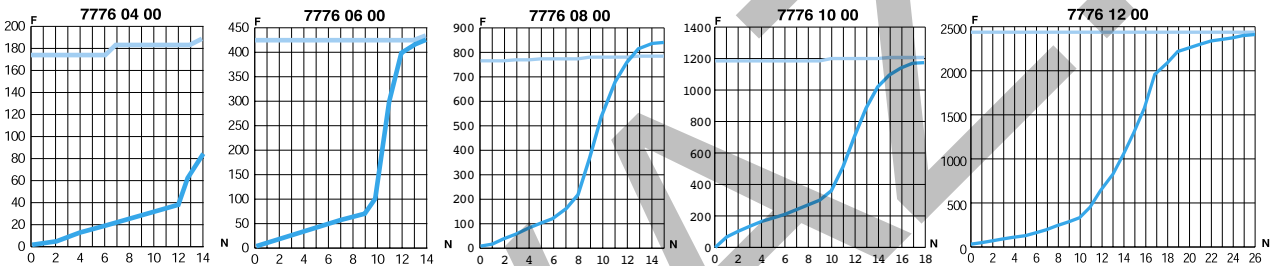
Flow Characteristics (at 6 bar) for Flow Control Regulators



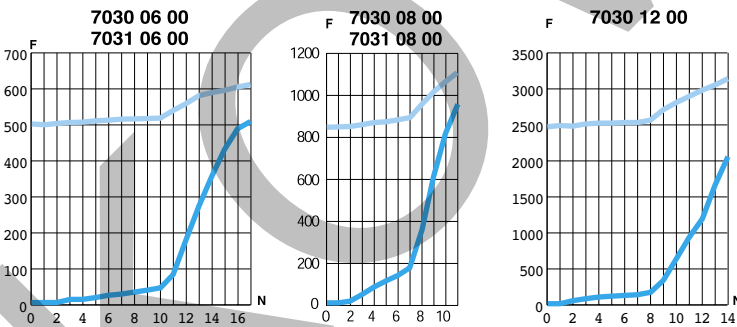
7770



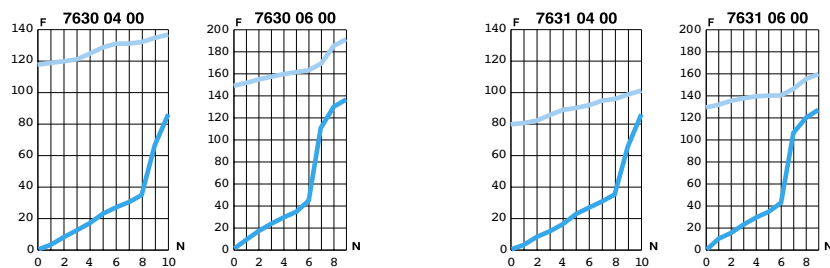
7776





7030
7031



7630
7631



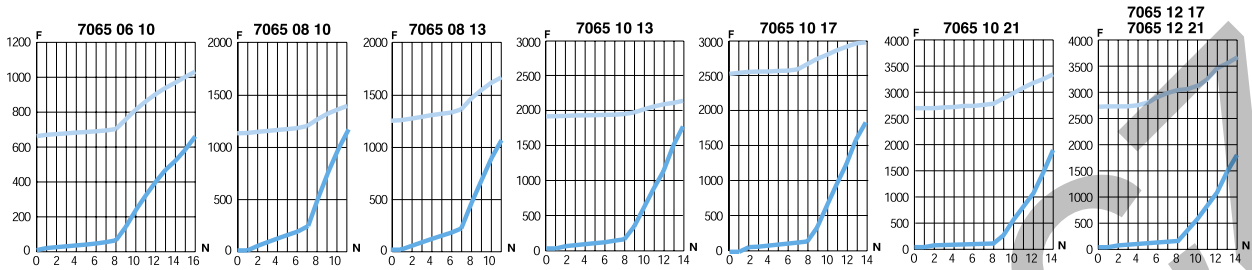
6 bar
 Direction of adjustment
 Return
F: Flow in NI/min
N: Number of turns

Flow Characteristics (at 6 bar) for Flow Control Regulators

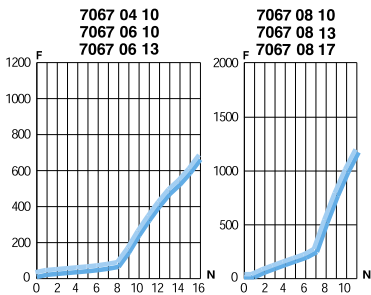


7065
7067

7065

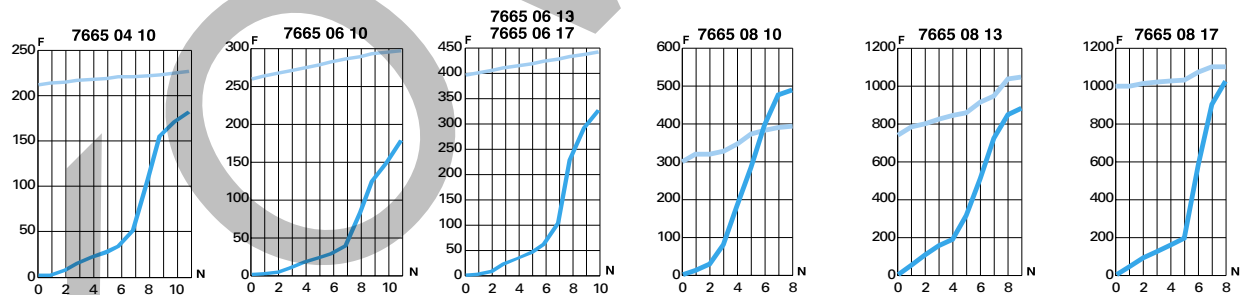


7067

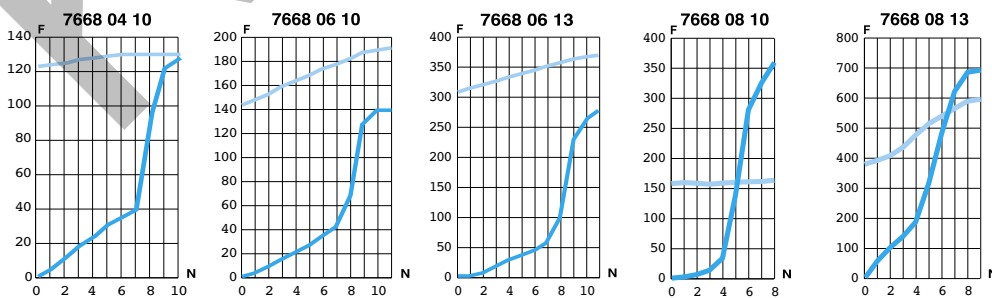


7665
7668

7665



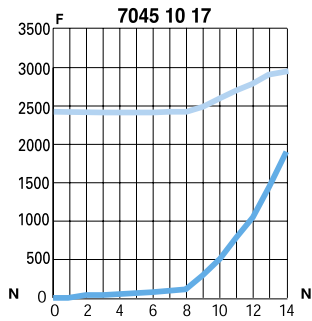
7668



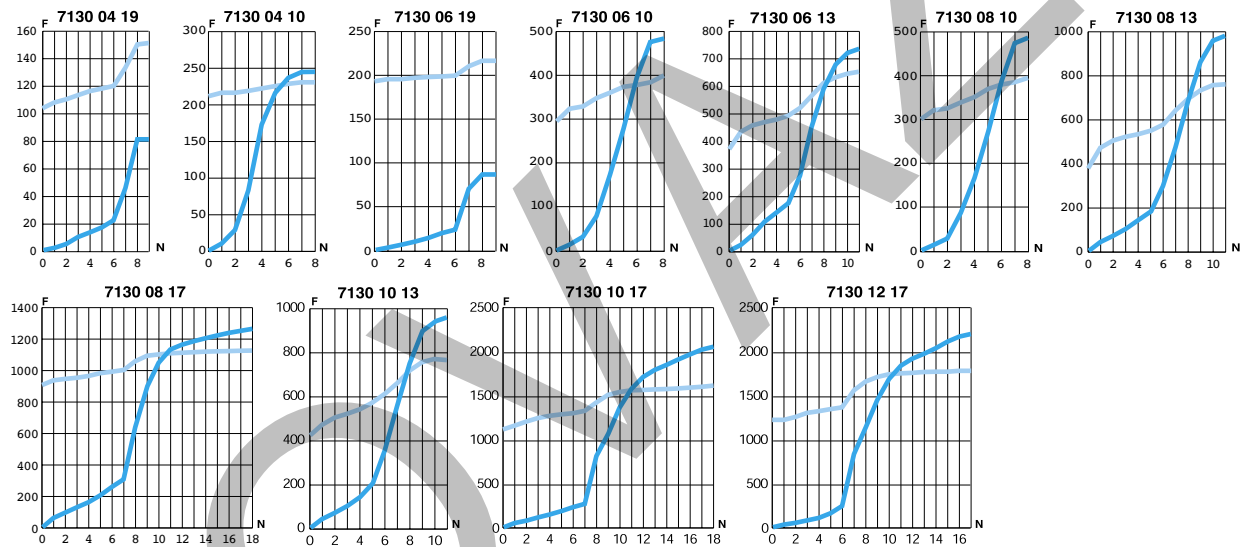
Flow Characteristics (at 6 bar) for Flow Control Regulators



7045



7130



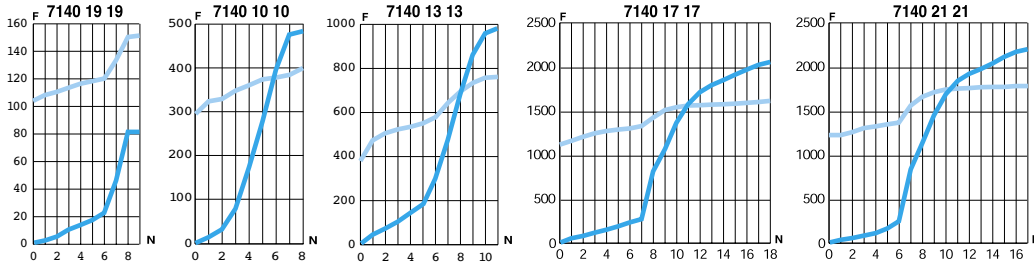
6 bar

- █ Direction of adjustment
- █ Return
- F:** Flow in NI/min
- N:** Number of turns

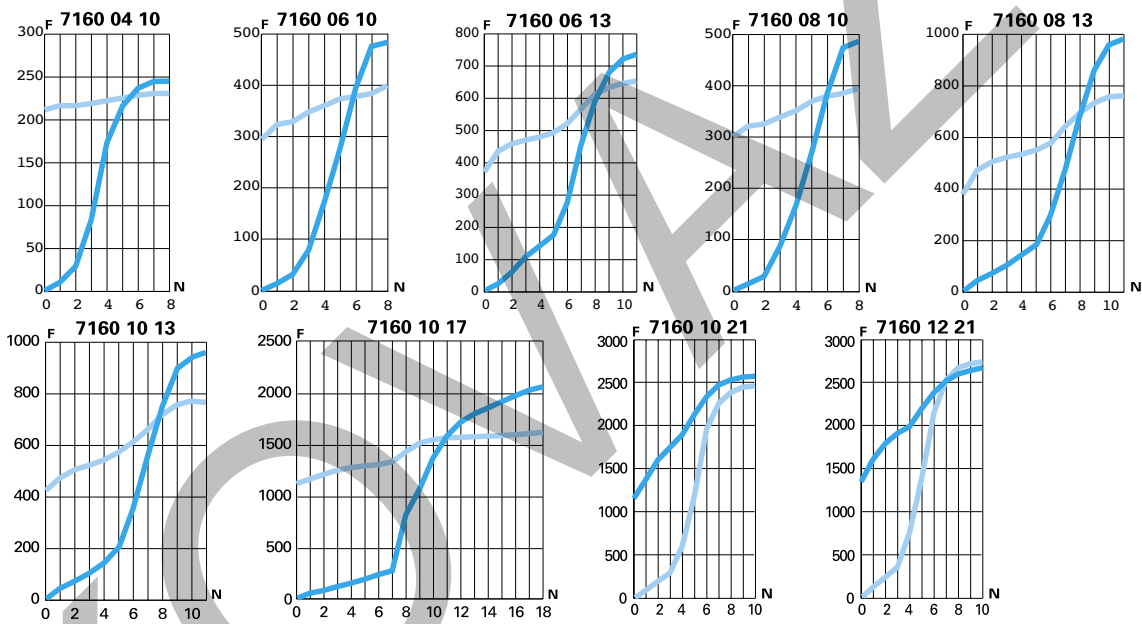
Flow Characteristics (at 6 bar) for Flow Control Regulators



7140



7160

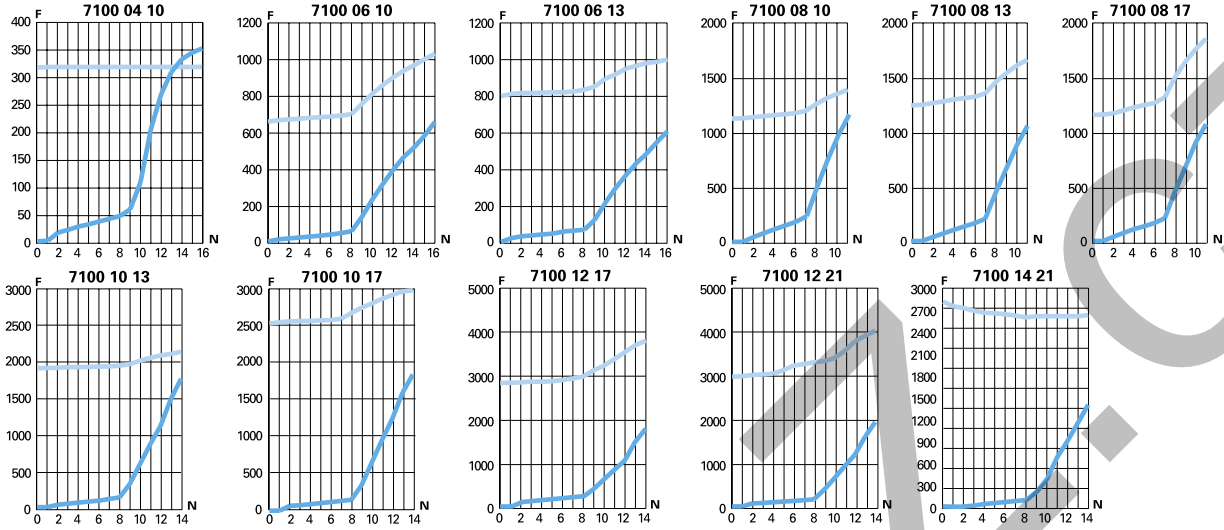


Flow Characteristics (at 6 bar) for Flow Control Regulators

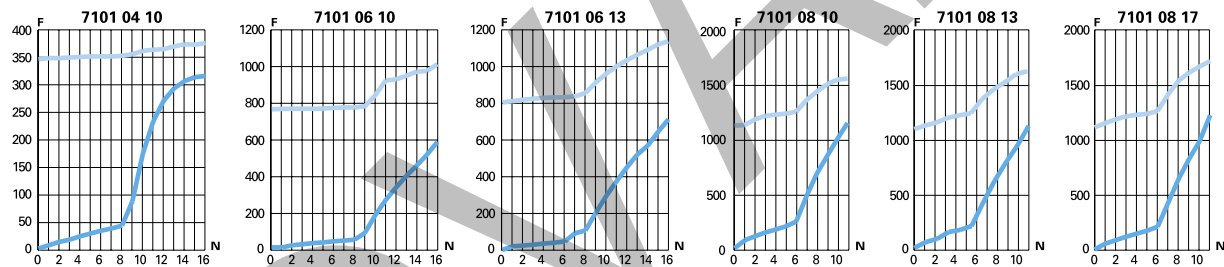


7100
7101

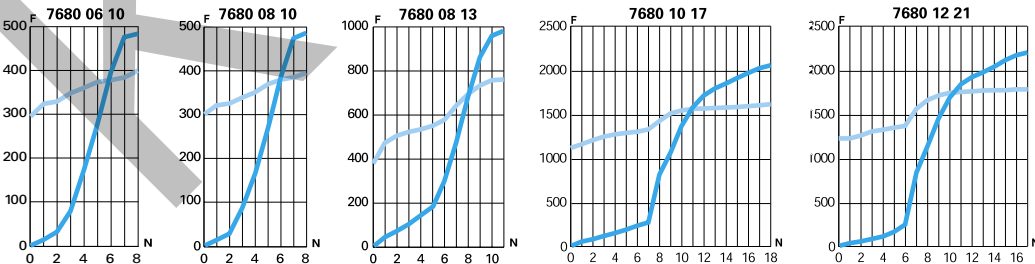
7100



7101



7680



6 bar

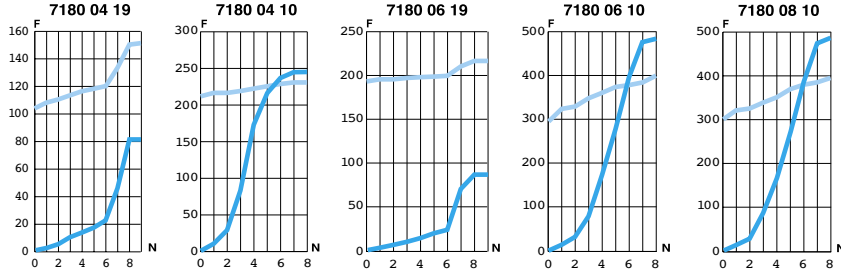
Direction of adjustment
 Return

F: Flow in NI/min
N: Number of turns

Flow Characteristics (at 6 bar) for Flow Control Regulators

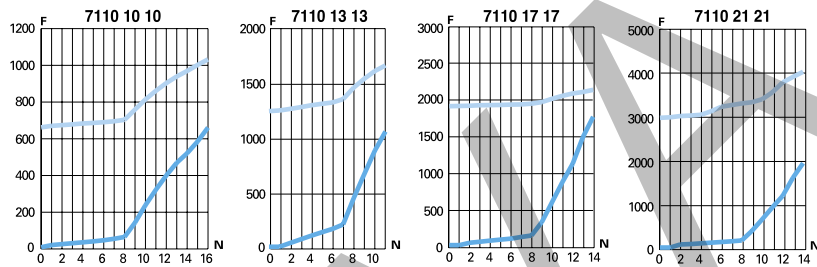


7180

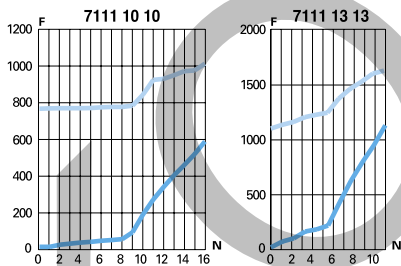


7110 7111

7110



7111



7170

