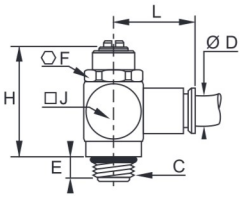
Metal Regulators with Recessed Adjustment

7130 Flow Regulator, Exhaust, Male BSPP and Metric Thread



Nickel-plated brass, NBR

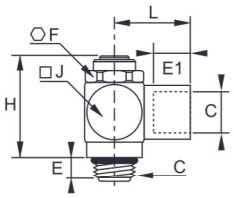


ØD	C		E	F	H	J	L	kg
4	M5x0.8	7130 04 19	4	8	17	9	19	0.015
	G1/8	7130 04 10	5	13	34	15	20	0.037
6	M5x0.8	7130 06 19	4	8	17	9	24	0.013
	G1/8	7130 06 10	5	13	34	15	22	0.038
	G1/4	7130 06 13	8	17	39	18	24	0.062
8	G1/8	7130 08 10	5	13	34	15	25	0.042
	G1/4	7130 08 13	8	17	39	18	28	0.066
	G3/8	7130 08 17	7	20	47	21.5	29	0.109
10	G1/4	7130 10 13	8	17	39	18	30	0.075
	G3/8	7130 10 17	7	20	47	21.5	32	0.120
	G1/2	7130 10 21	8	23	61	28	34	0.222
12	G3/8	7130 12 17	7	20	47	22	36	0.064
	G1/2	7130 12 21	8	23	61	28	38	0.306

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



Nickel-plated brass, NBR

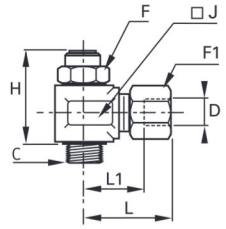


C		E	E1	F	H	J	L	kg
M5x0.8	7140 19 19	4	4	8	21	9	11	0.009
G1/8	7140 10 10	5	8	13	32	15	17	0.040
G1/4	7140 13 13	8	12	17	39	18	24	0.073
G3/8	7140 17 17	7	12	20	47	21.5	27	0.125
G1/2	7140 21 21	8	15	23	61	28	31	0.238

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	0.049
6	G1/8	7160 06 10	13	13	26	17	25.5	14.5	0.054
	G1/4	7160 06 13	17	13	31.5	22	28.5	17.5	0.103
8	G1/8	7160 08 10	13	14	26	17	29.5	15.5	0.055
	G1/4	7160 08 13	17	14	31.5	22	31	17	0.103
10	G1/4	7160 10 13	17	19	31.5	22	35	19	0.118
	G3/8	7160 10 17	20	19	44.5	22	37.5	19	0.188
	G1/2	7160 10 21	23	19	50	27	37.5	19	0.202
12	G3/8	7160 12 17	20	22	44.5	22	38	21.5	0.200
	G1/2	7160 12 21	23	22	50	27	38	21.5	0.213

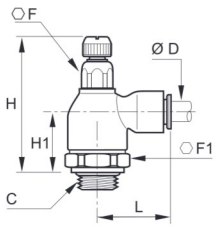
Metal Regulators with External Adjustment

7100 Compact Flow Regulator, Exhaust, Male BSPP Thread

A



Nickel-plated brass, NBR



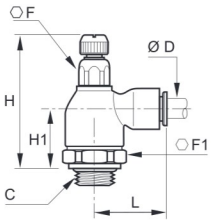
ØD	C		F	F1	H min	H max	H1	L	kg
4	G1/8	7100 04 10	10	19	47	53	23	21	0.078
6	G1/8	7100 06 10	10	19	47	53	23	24.5	0.080
	G1/4	7100 06 13	10	19	47.5	53	23.5	24.5	0.083
8	G1/8	7100 08 10	14	19	50	55	24.5	29	0.097
	G1/4	7100 08 13	14	19	50	56	25	29	0.100
	G3/8	7100 08 17	17	25	56	62	27	30.5	0.154
10	G1/4	7100 10 13	14	19	50	56	25	35	0.103
	G3/8	7100 10 17	17	25	56	62	27	35	0.157
12	G3/8	7100 12 17	17	25	56	62	27	38	0.198
	G1/2	7100 12 21	17	25	55	62	27	38	0.207
14	G1/2	7100 14 21	17	25	55	62	27	41	0.205

7101 Compact Flow Regulator, Supply, Male BSPP Thread

B



Nickel-plated brass, NBR



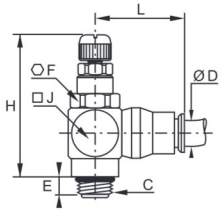
ØD	C		F	F1	H min	H max	H1	L	kg
4	G1/8	7101 04 10	10	19	47	53	23	21	0.096
6	G1/8	7101 06 10	10	19	47	53	23	24.5	0.080
	G1/4	7101 06 13	10	19	47.5	53	23.5	24.5	0.080
8	G1/8	7101 08 10	14	19	50	55	24.5	29	0.097
	G1/4	7101 08 13	14	19	50	56	25	29	0.100
	G3/8	7101 08 17	17	25	56	62	27	30.5	0.155

7680 Compact Flow Regulator, Male BSPP Thread

A



Nickel-plated brass, NBR



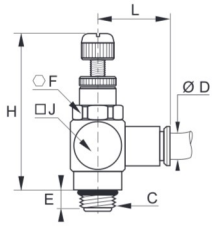
ØD	C		E	F	H min	H max	J	L	kg
6	G1/8	7680 06 10	5	13	39	44	7.5	24.5	0.045
8	G1/8	7680 08 10	5	13	39	44	7.5	24.5	0.047
	G1/4	7680 08 13	8	17	41	47	9	27	0.076
10	G3/8	7680 10 17	7	20	50	60	11	34	0.133
12	G1/2	7680 12 21	8	23	65	77	14	36.5	0.165

7180 Miniature Flow Regulator Exhaust, Male BSPP and Metric Thread

A



Nickel-plated brass, NBR



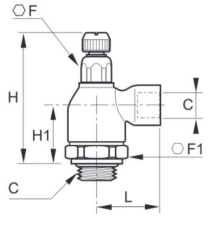
ØD	C		E	F	H min	H max	J	L	kg
4	M5x0.8	7180 04 19	4	8	24	29	10	19	0.012
	G1/8	7180 04 10	5	13	39	44	15	20	0.042
6	M5x0.8	7180 06 19	4	8	24	29	10	24	0.015
	G1/8	7180 06 10	5	13	39	44	15	22	0.043
8	G1/8	7180 08 10	5	13	39	44	15	26	0.049

7110 Compact Flow Regulator Exhaust, Male/Female BSPP Thread

A



Nickel-plated brass, NBR



C		F	F1	H min	H max	H1	L	kg
G1/8	7110 10 10	10	19	47	52.5	23	22.5	0.079
G1/4	7110 13 13	14	19	50.5	55.5	25	32	0.108
G3/8	7110 17 17	17	25	56	62	27	34.5	0.212
G1/2	7110 21 21	17	25	55	62	27	37.5	0.192

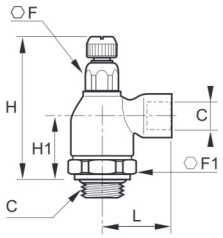
Metal Regulators with External Adjustment

7111 Compact Flow Regulator Supply, Male/Female BSPP Thread

B



Nickel-plated brass, NBR



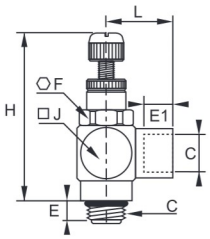
C		F	F1	H min	H max	H1	L	kg
G1/8	7111 10 10	10	19	47	52.5	23	22.5	0.079
G1/4	7111 13 13	14	19	50.5	55.5	25	32	0.107

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

A



Nickel-plated brass, NBR



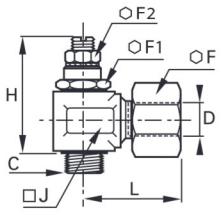
C		E	E1	F	H min	H max	J	L	kg
M5x0.8	7190 19 19	4	4	8	24	29	10	11	0.012
G1/8	7190 10 10	5	8	13	39	44	15	17	0.044

7762 Flow Regulator Exhaust, with Brass Compression Fitting, Male BSPP Thread

A



Brass, NBR



ØD	C		F	F1	F2	H min	H max	J	L	kg
8	G1/8	7762 08 10*	14	14	7	35.5	38.5	17	28.5	0.056
10	G1/4	7762 10 13	19	17	10	44	49	22	36.5	0.129
14	G3/8	7762 14 17	24	22	13	58	65	27	37.5	0.219
18	G1/2	7762 18 21	30	27	19	62.5	68.5	34	44	0.403

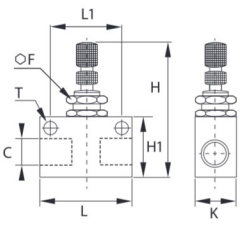
*with adjustment knurl

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

A



Treated aluminium, NBR



C		F	H min	H max	H1	K	L	L1	ØT	kg
M5x0.8	7170 19 19	12	38	42	15	12	25	18	4.5	0.022
G1/8	7170 10 10	15	49	56	22	18	35	24.7	4.5	0.056
G1/4	7170 13 13	15	57	64	30	20	46	35	6.5	0.086
G3/8	7170 17 17	22	62	73	30	25	50	35	6.5	0.155
G1/2	7170 21 21	22	72	83	40	25	60	44	6.5	0.196

Stainless Steel Flow Control Regulators

Stainless steel flow control regulators are used to **regulate the speed of a cylinder rod** as well as gas flow in environments with high mechanical or chemical constraints.

Product Advantages

Robust
- Suitable for corrosive environments
- Excellent mechanical and chemical resistance
- 100% leak-tested in production
- No contamination of conveyed fluids

Optimised Design
- Smooth external surfaces to facilitate cleaning
- Fully compatible with food environments
- Accurate and easy adjustment

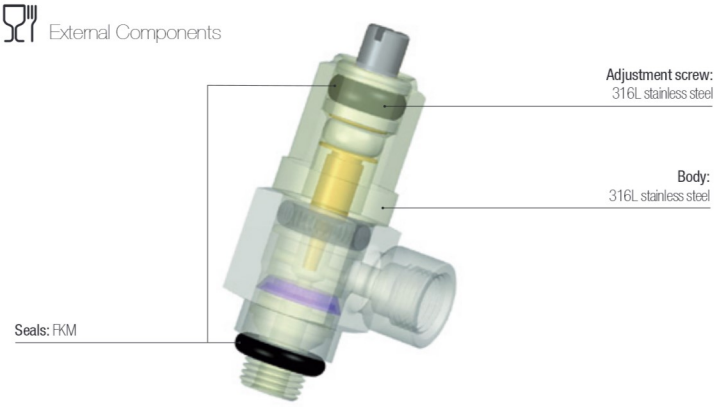
Applications
- Food Process
- Robotics
- Textile
- Semi-Conductors
- Packaging
- Pneumatics
- Automotive Process

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

Component Materials

External Components

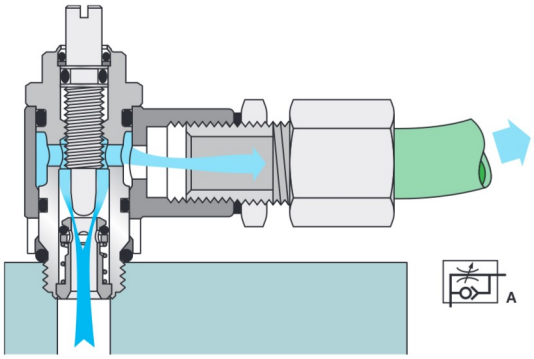


Regulations

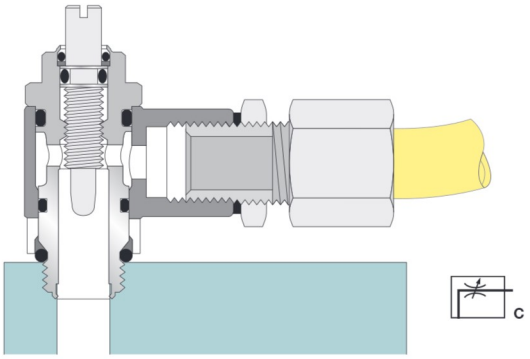
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)
DI: 97/23/EC (PED)
RG: External Components: 21CFR (FDA)
RG: External Components: 1935/2004/EC

Operation

Exhaust Model with External Adjustment



Bi-Directional Model with External Adjustment

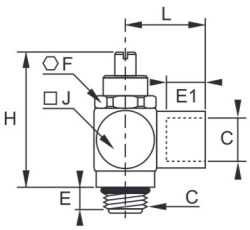


Stainless Steel Flow Control Regulators

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



Stainless steel 316L, FKM

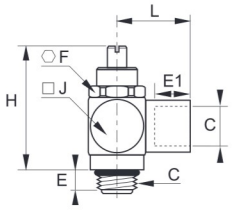


C		E	E1	F	H min	H max	J	L	kg
M5x0.8	7810 19 19	4	4	8	22	26	9	11	0.011
G1/8	7810 10 10	6	8	13	32	38	15	17	0.039
G1/4	7810 13 13	9	12	17	35	40	18	24	0.072
G3/8	7810 17 17	8	12	20	43	53	22	27	0.125
G1/2	7810 21 21	9	15	23	60	71	28	31	0.261

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



Stainless steel 316L, FKM

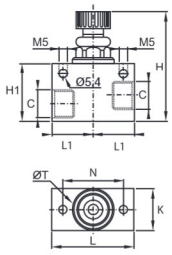


C		E	E1	F	H min	H max	J	L	kg
M5x0.8	7812 19 19	4	4	8	22	26	9	11	0.290
G1/8	7812 10 10	6	8	13	32	38	15	17	0.040
G1/4	7812 13 13	9	12	17	35	40	18	24	0.074
G3/8	7812 17 17	8	12	20	43	53	22	24	0.125
G1/2	7812 21 21	9	15	23	60	71	28	31	0.261

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

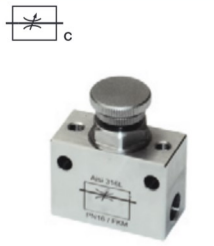


Stainless steel 316L, FKM

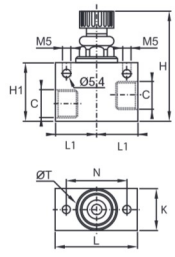


C	DN		H min	H max	H1	K	L	L1	N	ØT	kg
G1/8	7	7820 00 10	47	52.5	30	20	40	20	30	20	0.175
G1/4	7	7820 00 13	47	52.5	30	20	40	20	30	20	0.164
G3/8	9	7820 00 17	56	65	35	25	50	25	36	25	0.298
G1/2	12	7820 00 21	76	87	40	30	60	30	42	30	0.261

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



Stainless steel 316L, FKM



C	DN		H min	H max	H1	K	L	L1	N	ØT	kg
G1/8	7	7822 00 10	48	52.5	30	20	40	20	30	20	0.176
G1/4	7	7822 00 13	48	52.5	30	20	40	20	30	20	0.165
G3/8	9	7822 00 17	58	65	35	25	50	25	36	20	0.296
G1/2	12	7822 00 21	76	87	40	30	60	30	42	30	0.270

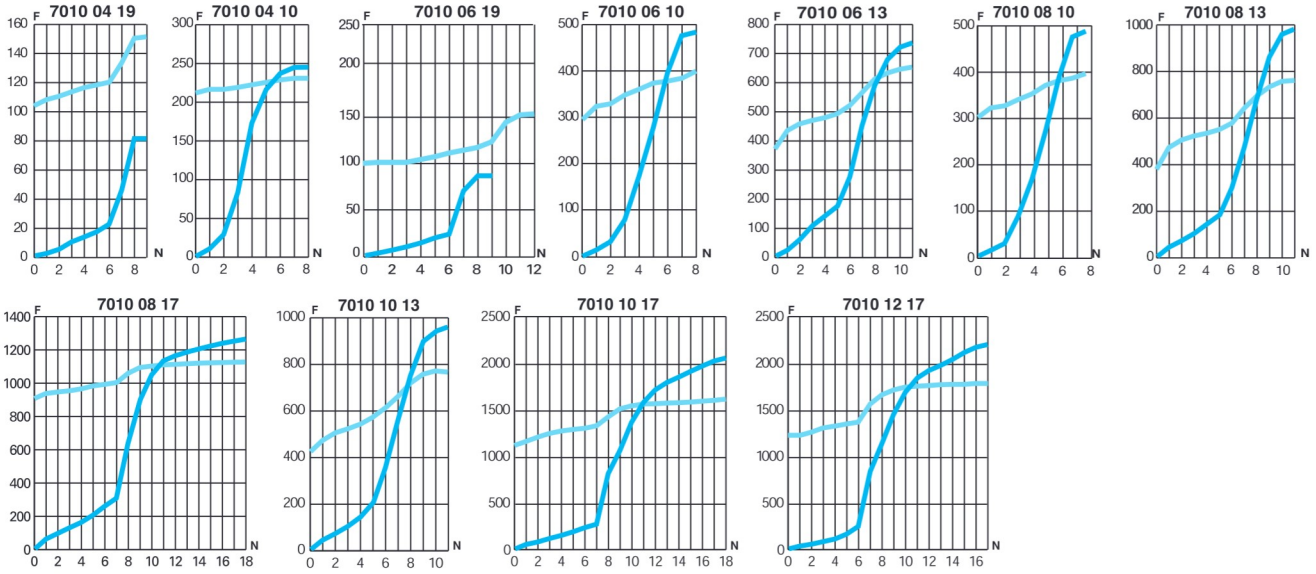
You will also find our range of stainless steel push-in fittings, compression fittings, valves and accessories in this catalogue.

Flow Characteristics (at 6 bar)
for Flow Control Regulators

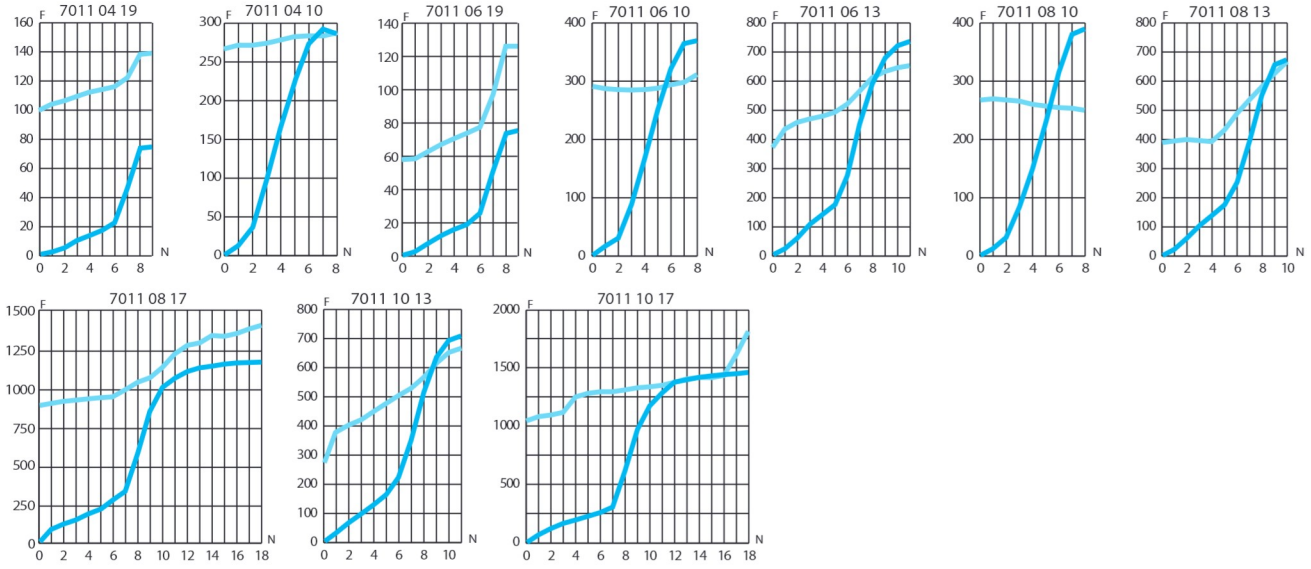


7010
7011
7012

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

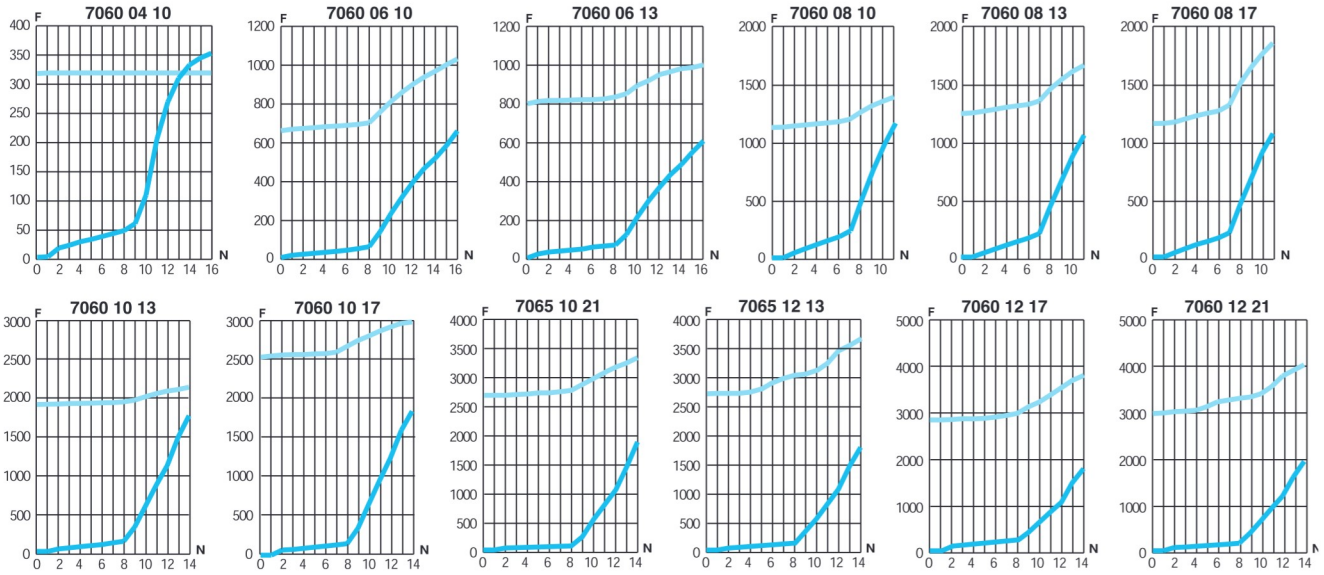
F: Flow in Nl/min
N: Number of turns

Flow Characteristics (at 6 bar)
for Flow Control Regulators

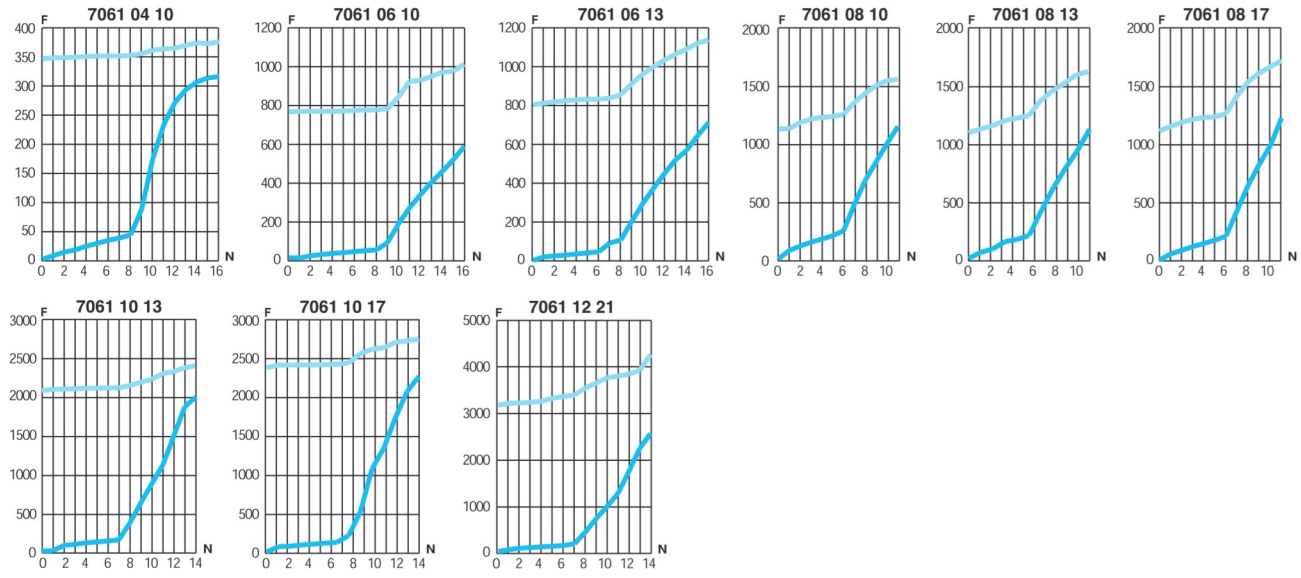


7060
7061
7062

7060



7061



7062

Flow characteristics for model 7062:
- exhaust version (see model 7060, direction of adjustment)
- supply version (see model 7061, direction of adjustment)

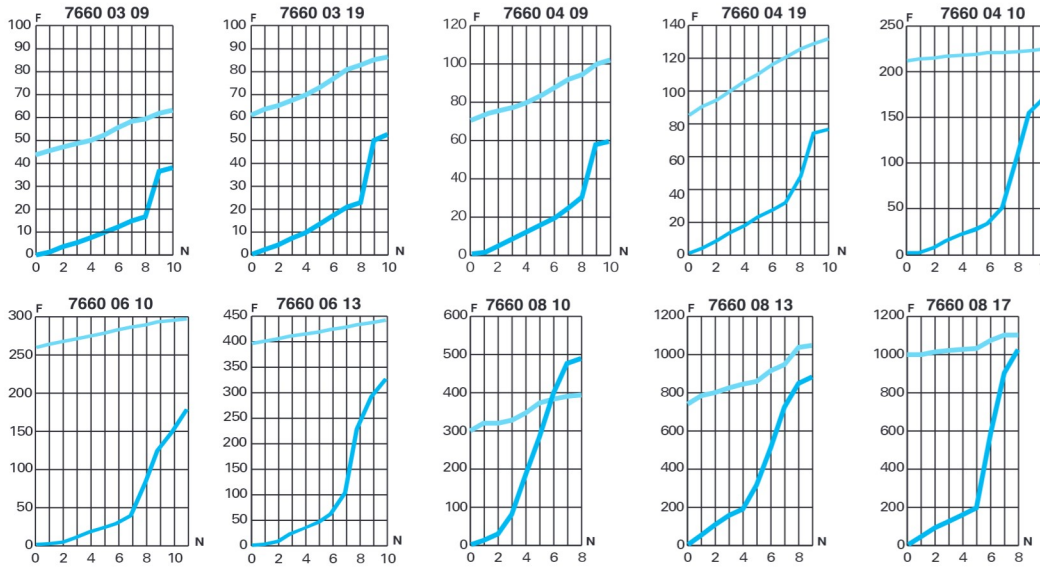
Flow Characteristics (at 6 bar)

for Flow Control Regulators

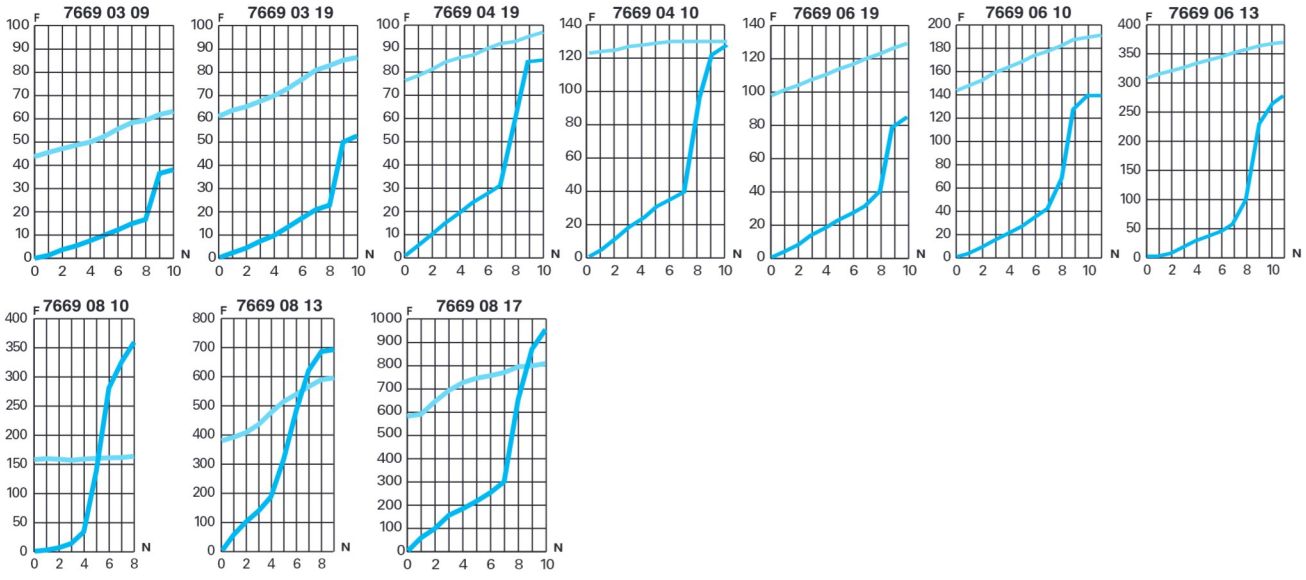


7660
7669
7662

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 Nl/min

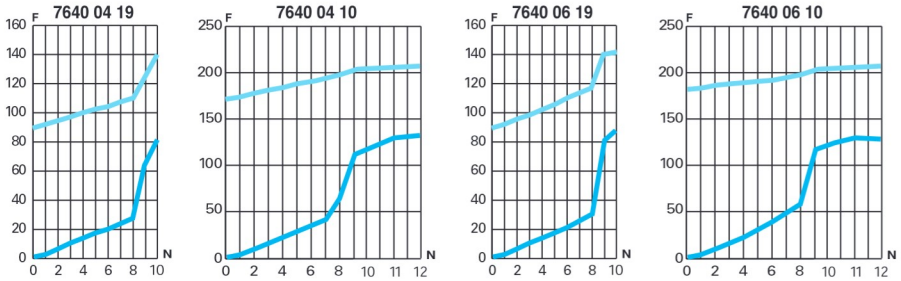
N: Number of turns

Flow Characteristics (at 6 bar)
for Flow Control Regulators

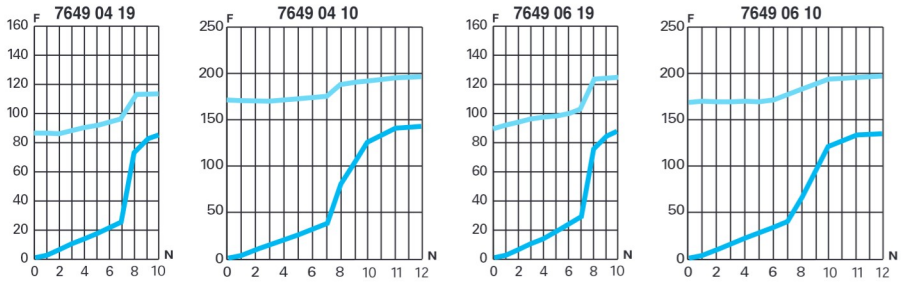


7640
7649

7640

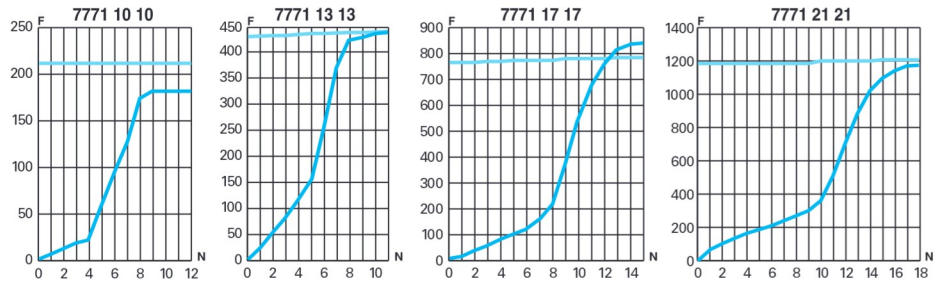


7649



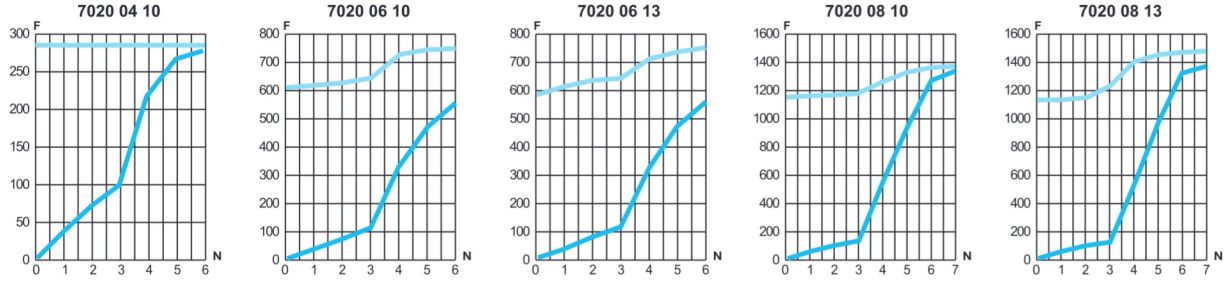


7771





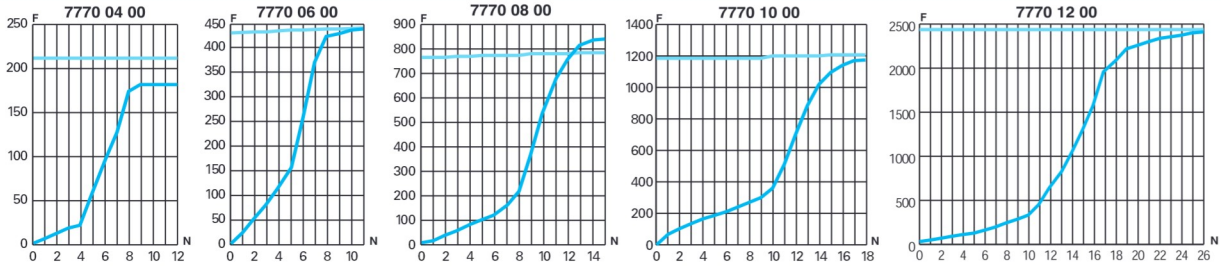
7020



Flow Characteristics (at 6 bar)
for Flow Control Regulators

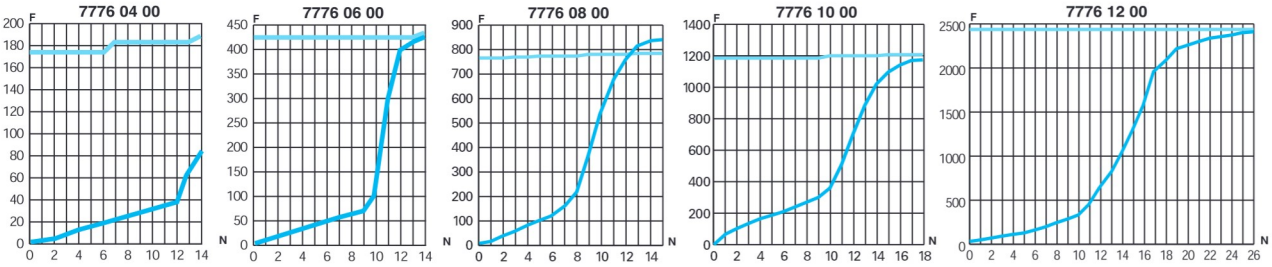


7770



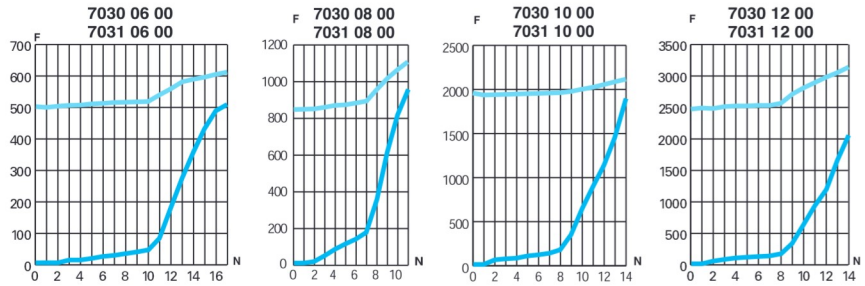


7776



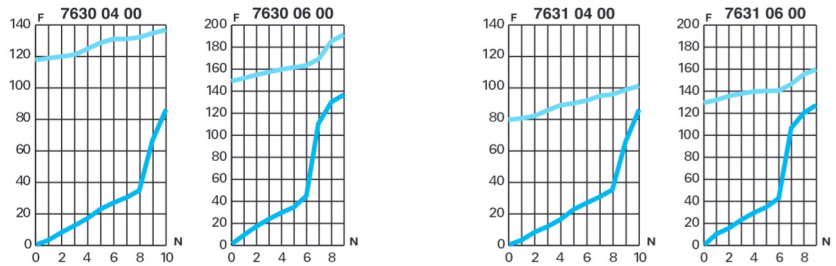


7030
7031





7630
7631



6 bar

Direction of adjustment

Return

F: Flow in Nl/min

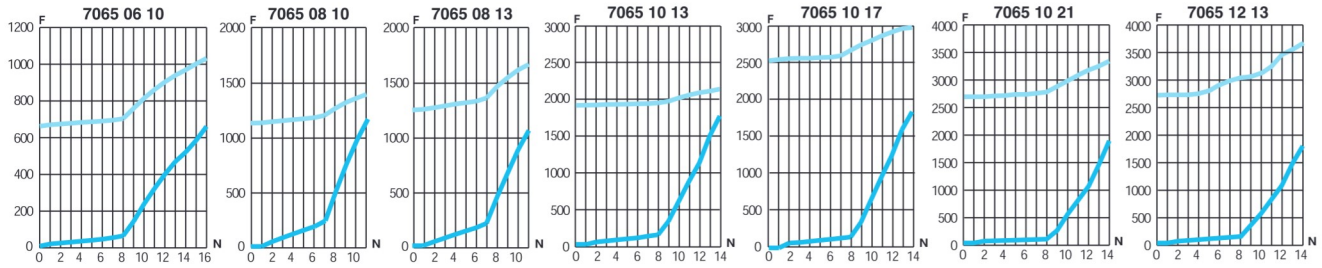
N: Number of turns

Flow Characteristics (at 6 bar)
for Flow Control Regulators

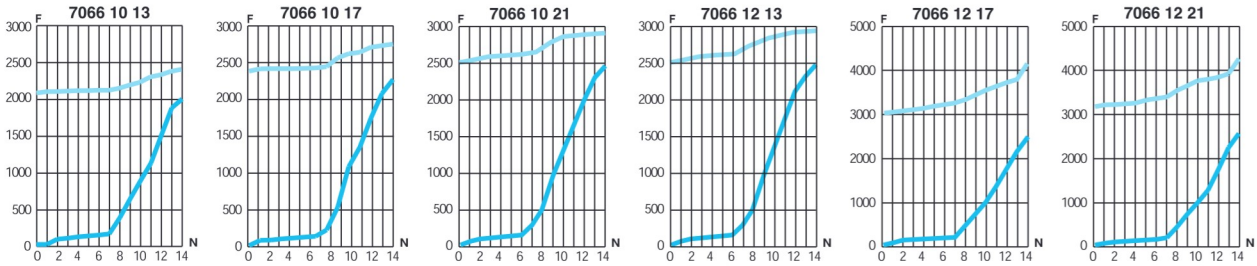


7065
7066
7067

7065



7066



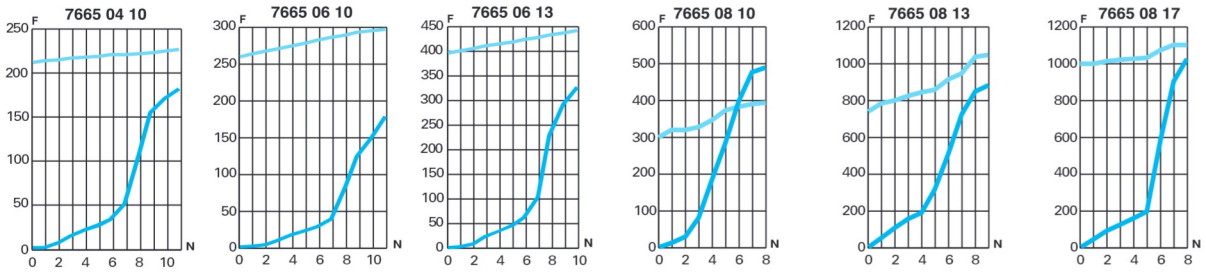
7067

Flow characteristics for model 7067:
- exhaust version: see model 7065, direction of adjustment
- supply version: see model 7066, direction of adjustment

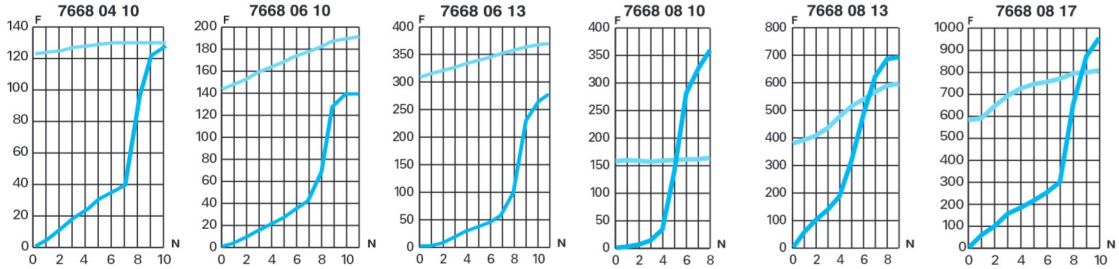


7665
7668

7665



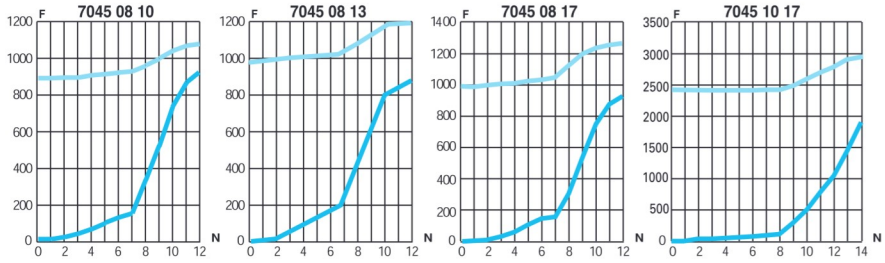
7668



Flow Characteristics (at 6 bar)
for Flow Control Regulators

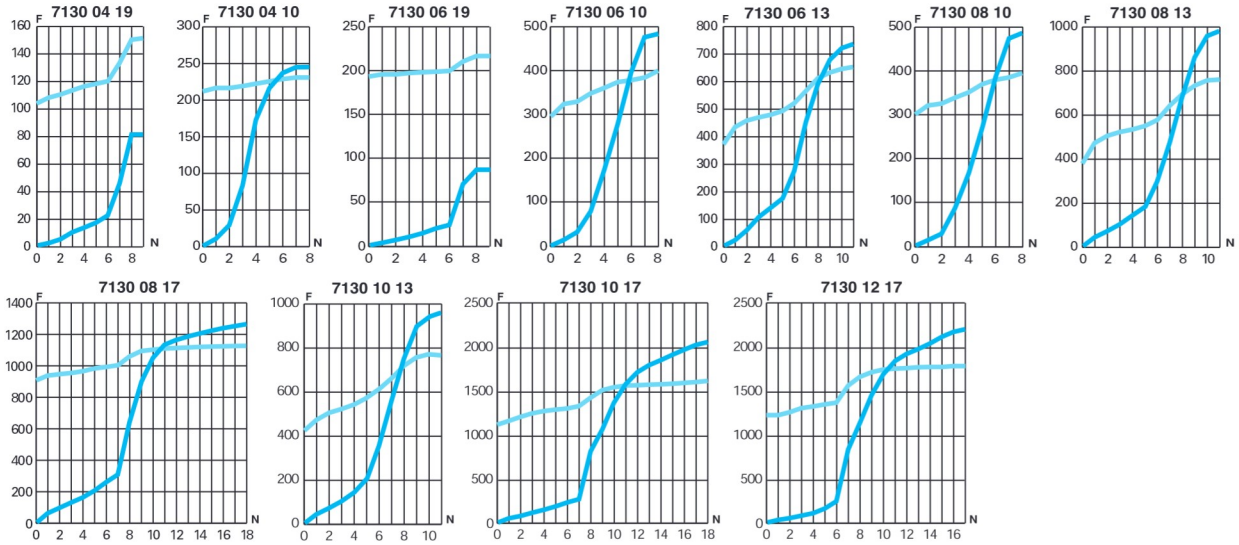


7045





7130



6 bar

Direction of adjustment

Return

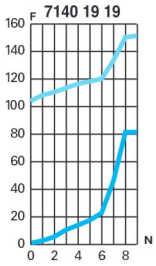
F: Flow in Nl/min

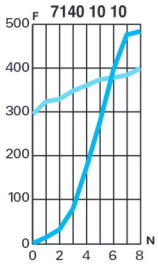
N: Number of turns

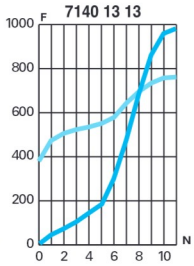
Flow Characteristics (at 6 bar)
for Flow Control Regulators

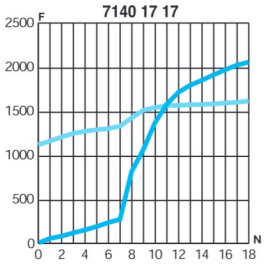


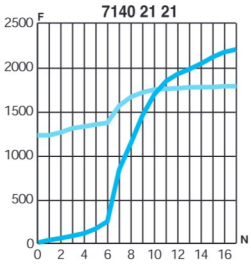
7140





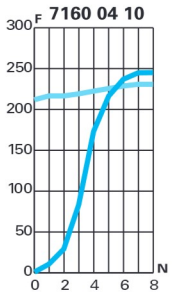


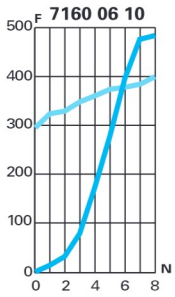


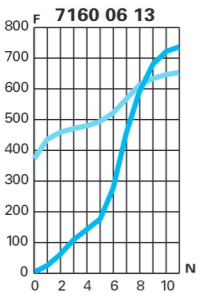


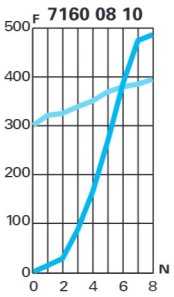


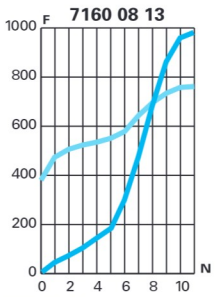
7160

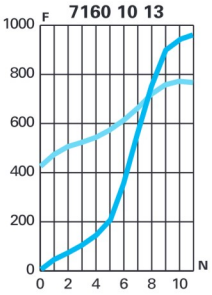


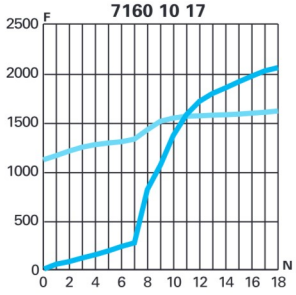


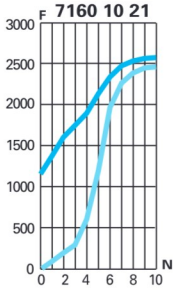


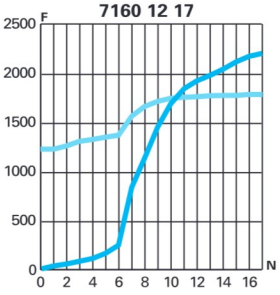


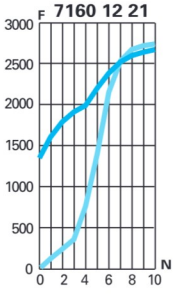






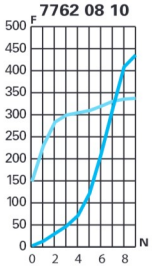


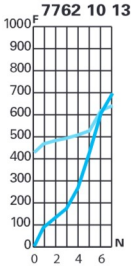


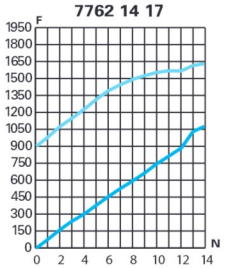


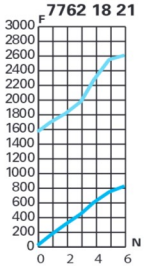


7762









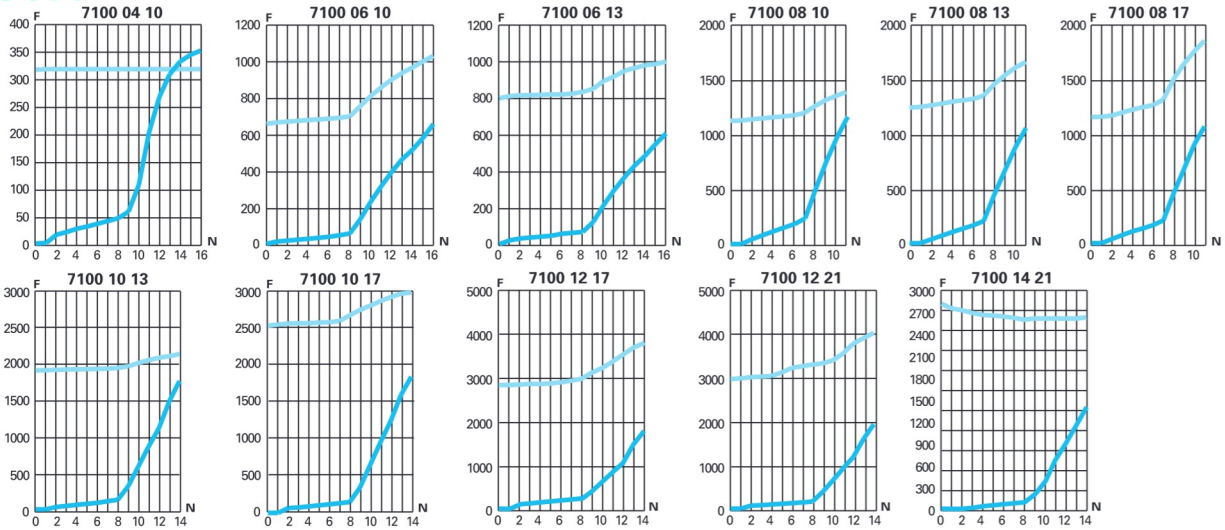
Flow Characteristics (at 6 bar)

for Flow Control Regulators

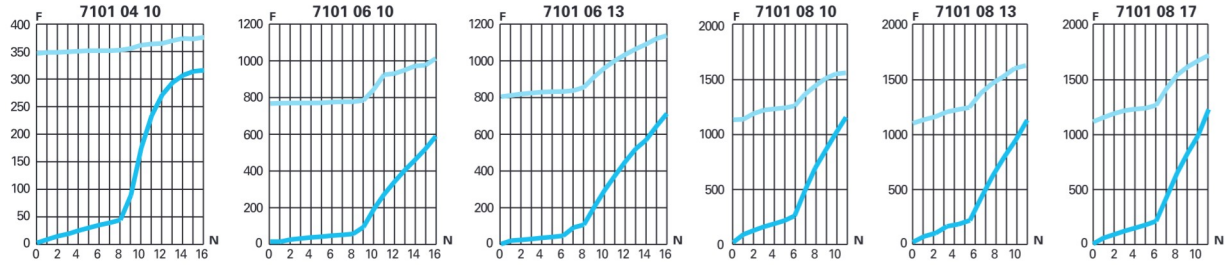


7100
7101

7100

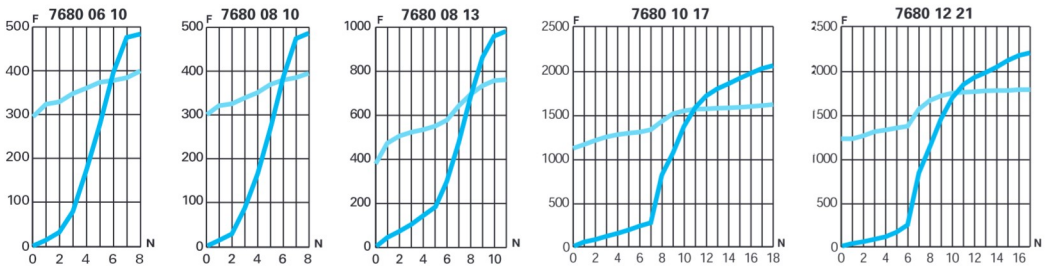


7101





7680



6 bar

Direction of adjustment

Return

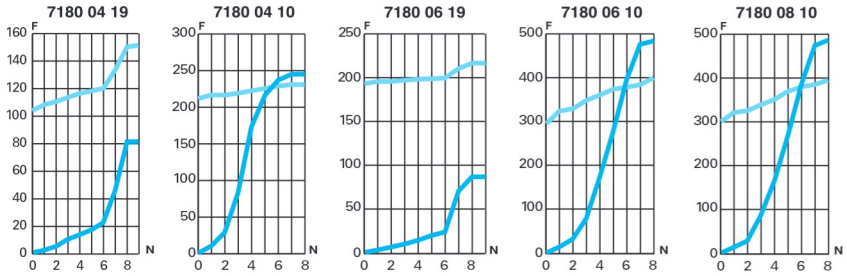
F: Flow in Nl/min

N: Number of turns

Flow Characteristics (at 6 bar)
for Flow Control Regulators



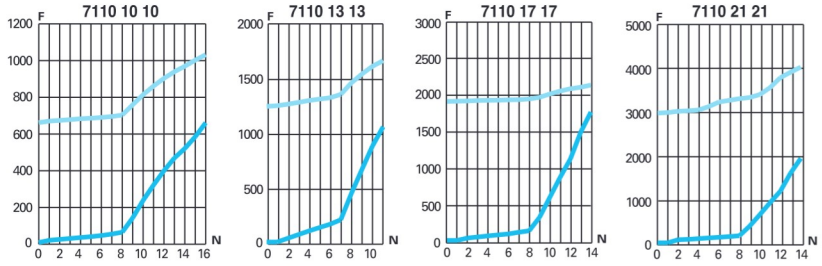
7180



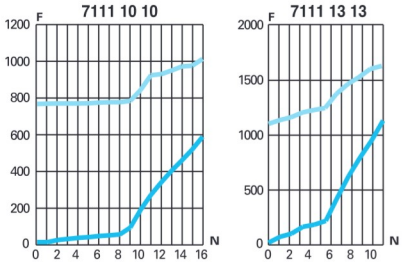


7110
7111

7110



7111





7170

