

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



Food Process
Robotics
Textile
Semi-Conductors
Packaging
Pneumatics
Automotive Process

Applications

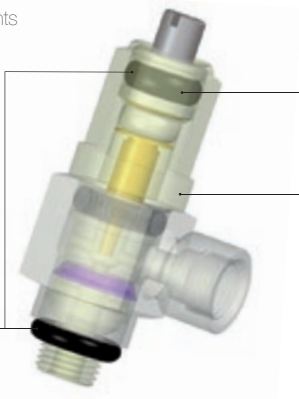
Technical Characteristics

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



Adjustment screw:
316L stainless steel

Body:
316L stainless steel

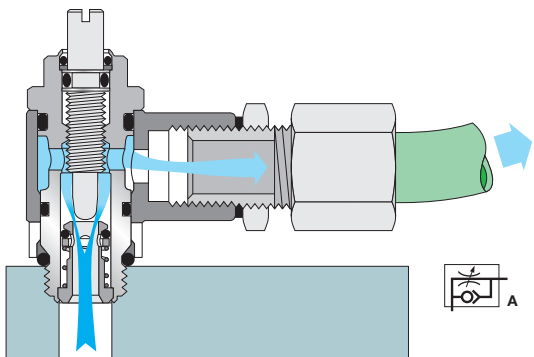
Seals: FKM

Regulations

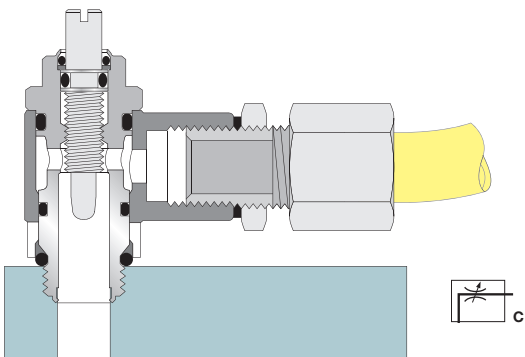
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)
DI: 97/23/EC (PED)
RG: External Components: 21CFR (FDA)
RG: External Components: 1935/2004/EC

Operation

Exhaust Model with External Adjustment



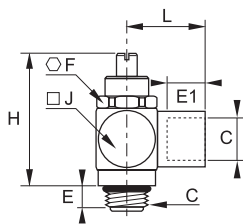
Bi-Directional Model with External Adjustment



Stainless Steel Flow Control Regulators

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

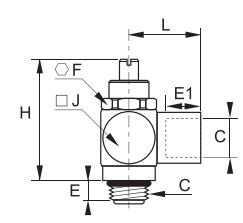
Stainless steel 316L, FKM



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	0.040
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	0.126
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

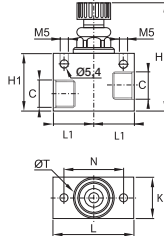
Stainless steel 316L, FKM



C		E	E1	F	H min	H max	J	L	Kg
M5x0.8	7812 19 19	4	4	8	22	26	9	11	0.011
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

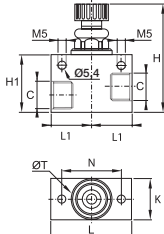
Stainless steel 316L, FKM



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	0.286
G1/2	12	7820 00 21	76	87	40	30	60	30	42	30	0.262

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	0.289
G1/2	12	7822 00 21	76	87	40	30	60	30	42	30	0.265

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

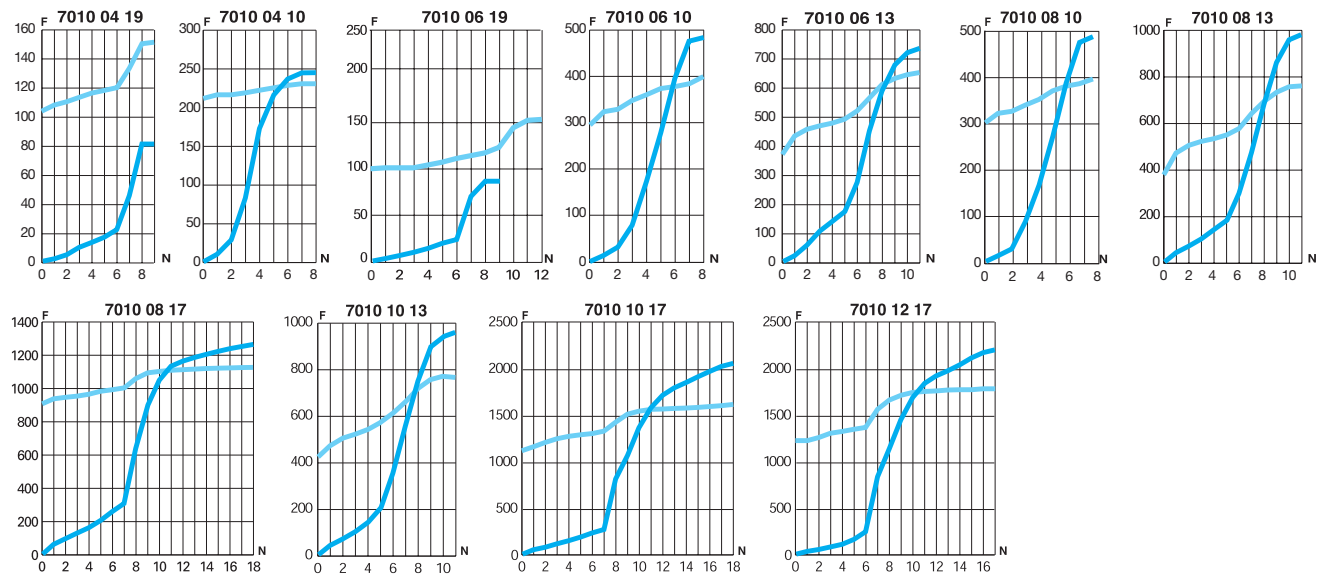
Flow Characteristics (at 6 bar)

for Flow Control Regulators

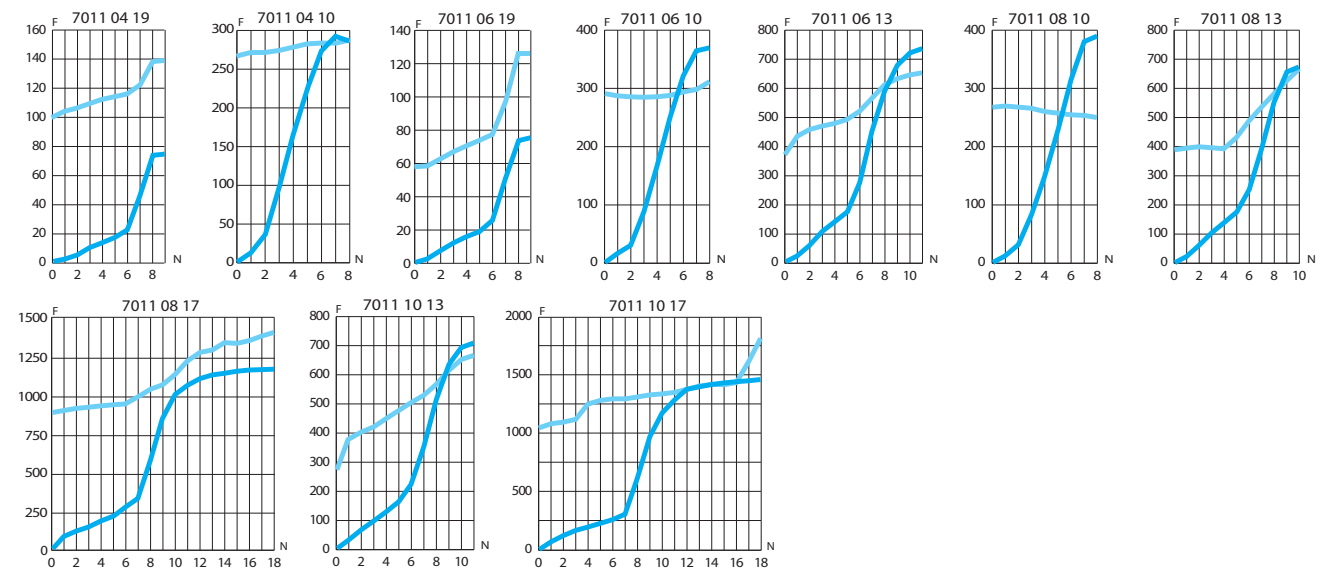


7010
7011
7012

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 NI/min
N: Number of turns