

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

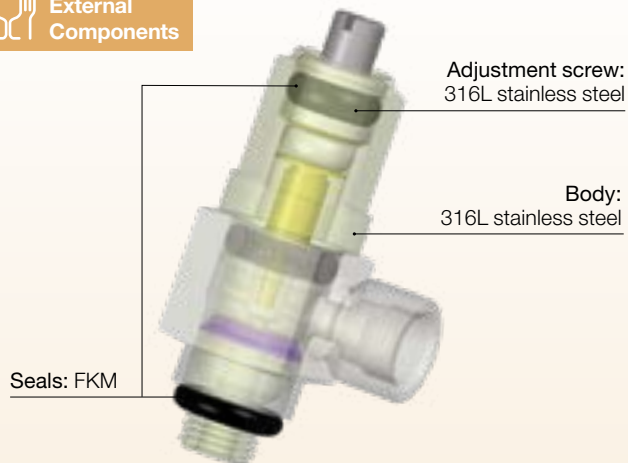
For food process applications:

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

Component Materials



External Components

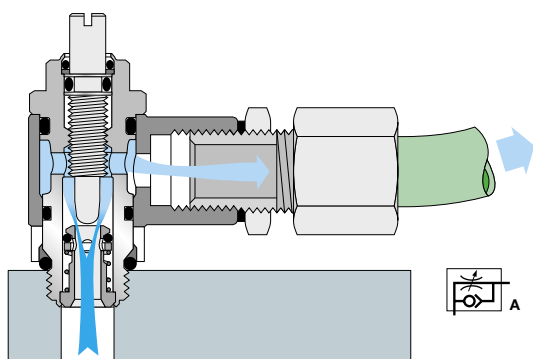


Regulations

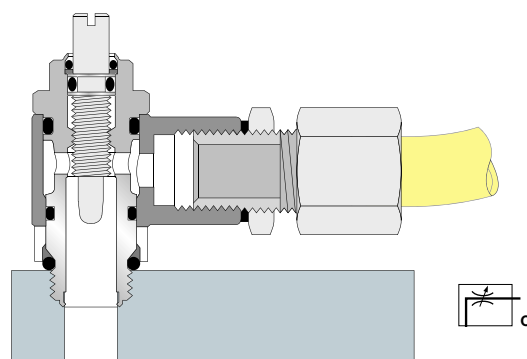
- RoHS
- REACH
- PED
- FDA: 21 CFR 1935/2004

Operation

Exhaust Model with External Adjustment

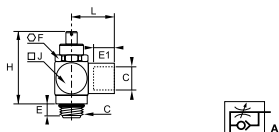


Bi-Directional Model with External Adjustment



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

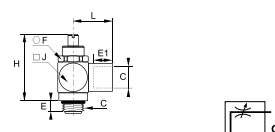
Stainless steel 316L, FKM



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

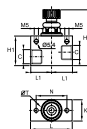
Stainless steel 316L, FKM



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

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

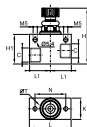
Stainless steel 316L, FKM



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 BSPP 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