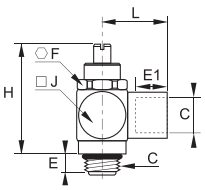
Stainless Steel Flow Control Regulators

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

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

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

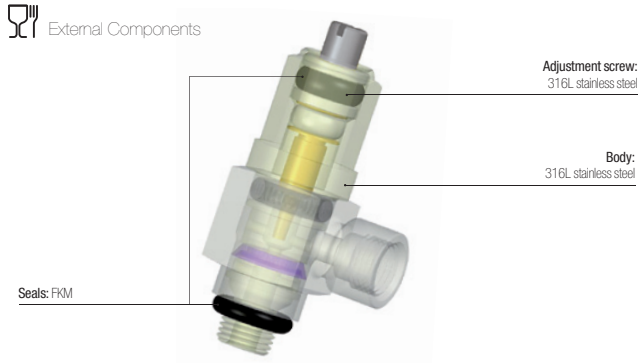
Applications
- Food Process
- Robotics
- Textile
- Semi-Conductors
- Packaging
- Pneumatics
- Automotive Process

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

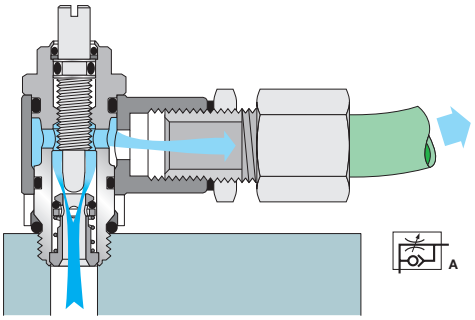
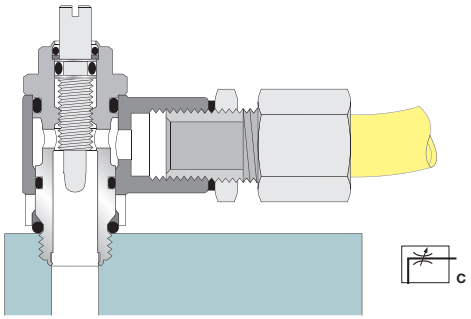


Regulations

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