

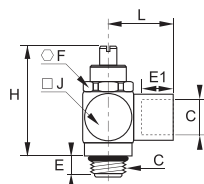
# Stainless Steel Flow Control Regulators

**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	<a href="#">7812 19 19</a>	4	4	8	22	26	9	11	0.290
G1/8	<a href="#">7812 10 10</a>	6	8	13	32	38	15	17	0.040
G1/4	<a href="#">7812 13 13</a>	9	12	17	35	40	18	24	0.074
G3/8	<a href="#">7812 17 17</a>	8	12	20	43	53	22	24	0.125
G1/2	<a href="#">7812 21 21</a>	9	15	23	60	71	28	31	0.261

Flow Control Regulators

Function Fittings

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

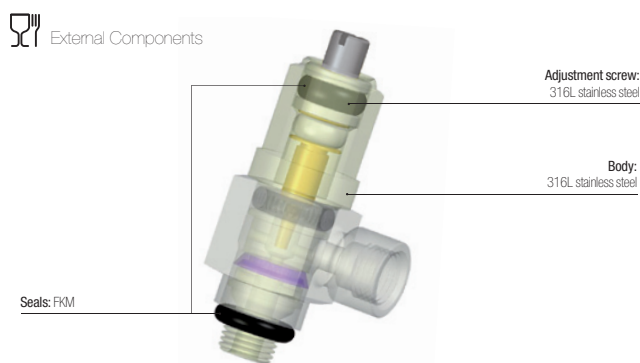
**Optimised Design** | Smooth external surfaces to facilitate cleaning  
Fully compatible with food environments  
Accurate and easy adjustment

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

## Technical Characteristics

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

### Component Materials

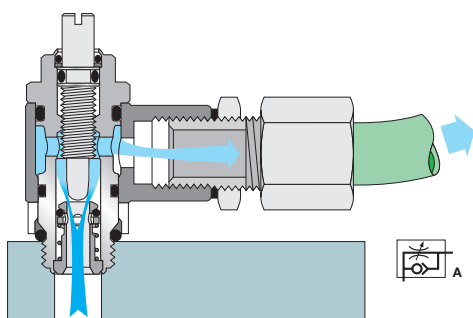


### Regulations

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

