

# Non-Return Valves

Non-return valves allow compressed air to flow in one direction and prevent it from flowing in the other. Fitted upstream of the circuit to be protected, they provide **total protection**.

## Product Advantages

### Variety of Applications

Wide range  
Push-in connection: ease of use  
Available in threaded or push-in version

### Powerful Design

Lip seals for improved sealing performance  
Excellent vibration resistance  
Compact  
Lightweight  
Symbol showing the operating direction of flow  
Safe installation with colour codes:  

- green push-button: supply version
- red push-button: exhaust version



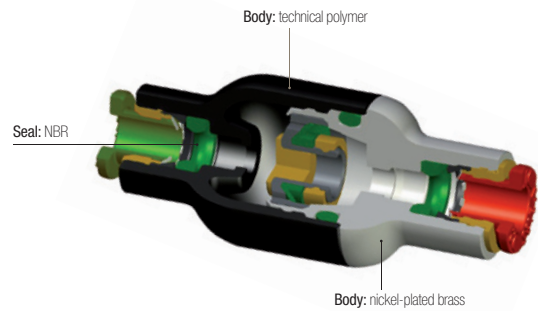
Automotive Process  
Robotics  
Vacuum  
Textile  
Semi-Conductors  
Packaging  
Pneumatics

Applications

## Technical Characteristics

Compatible Fluids	Compressed air	
Working Pressure	1 to 10 bar	
Working Temperature	0°C to +70°C	
Cracking Pressure	0.3 bar	
Flow Characteristics (NI/min)	<b>Model</b>	<b>Flow at 6 bar</b>
	4 mm	350
	6 mm	670
	8 mm	1080
	10 mm	2230
	12 mm	2300

### Component Materials



Silicone-free

### Regulations

DI: 2002/95/EC (RoHS)  
RG: 1907/2006 (REACH)  
DI: 97/23/EC (PED)

## Operation

#### In-Line Version

Non-return valve

#### Supply Version

Non-return valve

Models 7984-7985

#### Exhaust Version

Non-return valve

Models 7994-7995

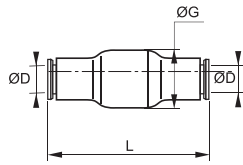
#### Installation Diagram

# Non-Return Valves

## 7996 In-Line Equal Non-Return Valve



Technical polymer, nickel-plated brass, NBR

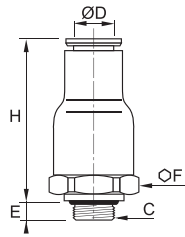


ØD		G	L	kg
4	<a href="#">7996 04 00</a>	16	38.5	0.008
6	<a href="#">7996 06 00</a>	16	41	0.013
8	<a href="#">7996 08 00</a>	19	51.5	0.017
10	<a href="#">7996 10 00</a>	23	63.5	0.070
12	<a href="#">7996 12 00</a>	23	66.5	0.050

## 7984 In-Line Non-Return Valve, Supply, Male BSPP and Metric Thread



Technical polymer, nickel-plated brass, NBR

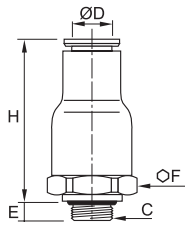


ØD	C		E	F	H	kg
4	M5x0.8	<a href="#">7984 04 19</a>	3	9	32	0.008
	G1/8	<a href="#">7984 04 10</a>	5	16	28.5	0.015
6	G1/8	<a href="#">7984 06 10</a>	5	16	30.5	0.015
	G1/4	<a href="#">7984 06 13</a>	5.5	16	30.5	0.015
8	G1/8	<a href="#">7984 08 10</a>	5	19	36	0.021
	G1/4	<a href="#">7984 08 13</a>	5.5	19	36	0.023
10	G3/8	<a href="#">7984 10 17</a>	5.5	23	42	0.047
	G3/8	<a href="#">7984 12 17</a>	5.5	23	42	0.010
12	G1/2	<a href="#">7984 12 21</a>	7.5	23	44	0.041

## 7994 In-Line Non-Return Valve, Exhaust, Male BSPP and Metric Thread



Technical polymer, nickel-plated brass, NBR

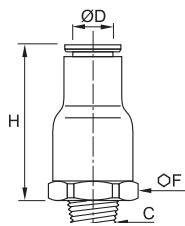


ØD	C		E	F	H	kg
4	M5x0.8	<a href="#">7994 04 19</a>	3	9	32	0.790
	G1/8	<a href="#">7994 04 10</a>	5	16	28.5	0.018
6	G1/8	<a href="#">7994 06 10</a>	5	16	30.5	0.015
	G1/4	<a href="#">7994 06 13</a>	5.5	16	30.5	0.015
8	G1/8	<a href="#">7994 08 10</a>	5	19	36	0.023
	G1/4	<a href="#">7994 08 13</a>	5.5	19	36	0.023
10	G3/8	<a href="#">7994 10 17</a>	5.5	23	42	0.050
	G3/8	<a href="#">7994 12 17</a>	5.5	23	42	0.043
12	G1/2	<a href="#">7994 12 21</a>	7.5	23	44	0.045

## 7985 In-Line Non-Return Valve, Supply, Male BSPT Thread



Technical polymer, nickel-plated brass, NBR



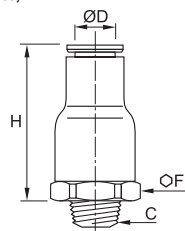
ØD	C		F	H	kg
4	R1/8	<a href="#">7985 04 10</a>	16	28.5	0.016
	R1/8	<a href="#">7985 06 10</a>	16	30.5	0.016
6	R1/4	<a href="#">7985 06 13</a>	16	30.5	0.021
	R1/8	<a href="#">7985 08 10</a>	19	36	0.022
8	R1/4	<a href="#">7985 08 13</a>	19	36	0.020
	R3/8	<a href="#">7985 10 17</a>	23	42	0.049
10	R3/8	<a href="#">7985 12 17</a>	23	42	0.042
	R1/2	<a href="#">7985 12 21</a>	23	44	0.048

Pre-coated thread

## 7995 In-Line Non-Return Valve, Exhaust, Male BSPT Thread



Technical polymer, nickel-plated brass, NBR



ØD	C		F	H	kg
4	R1/8	<a href="#">7995 04 10</a>	16	28.5	0.015
	R1/8	<a href="#">7995 06 10</a>	16	30.5	0.016
6	R1/4	<a href="#">7995 06 13</a>	16	30.5	0.022
	R1/8	<a href="#">7995 08 10</a>	19	36	0.022
8	R1/4	<a href="#">7995 08 13</a>	19	36	0.026
	R3/8	<a href="#">7995 10 17</a>	23	42	0.048
10	R3/8	<a href="#">7995 12 17</a>	23	42	0.042
	R1/2	<a href="#">7995 12 21</a>	23	44	0.048

Pre-coated thread