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# Function Fittings Range

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# Blocking Fittings

Blocking fittings, mounted in pairs on a cylinder, lock the piston by simultaneously **cutting off the supply and exhaust** when the pilot signal is removed.

## Product Advantages

### Optimum Performance

- Optimum flow: no effect on the performance of the cylinder
- Compact size
- Fully orientable for excellent flexibility in circuit installation
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

### Robust & Unsurpassed Life Time

- Suitable for the most demanding environments
- Excellent corrosion and spark resistance to salt spray and sparks (threaded models)
- Proven push-in technology
- Tried and tested durability according to DI 2006/42/CE



Robotics  
Machine Tools  
Textile  
Packaging  
Pneumatics  
Automotive Process

Applications

## Technical Characteristics

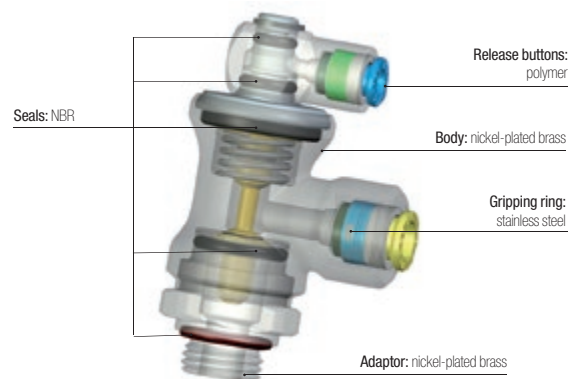
<b>Compatible Fluids</b>	Compressed air
<b>Working Pressure</b>	1 to 10 bar
<b>Working Temperature</b>	-20°C to +70°C -25°C to +70°C (metal version)

Connection	Supply Flow 6 bar	Pilot and depilot threshold depending on supply pressure					
		2 bar	4 bar	6 bar	8 bar	10 bar	
ØD 6 and 8 mm, threads G1/8, G1/4, R1/8, R1/4	650NI/min	Pilot Pressure	2.40	2.90	3.30	3.60	4.00
	650NI/min	Depilot Pressure	1.50	1.80	2.15	2.40	2.80
ØD 10 and 12 mm, threads G3/8, G1/2, R3/8, R1/2	1600NI/min	Pilot Pressure	2.70	3.20	3.50	3.80	4.10
	1600NI/min	Depilot Pressure	1.40	1.80	2.10	2.40	2.70

Reliable performance is dependent upon the type of fluid conveyed and component materials being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Component Materials



Silicone-free

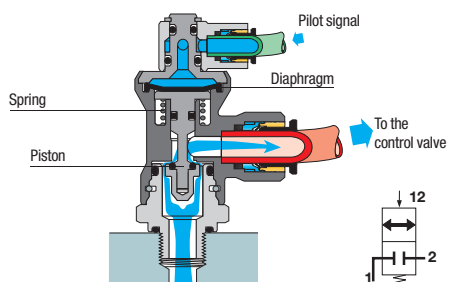
### Regulations

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

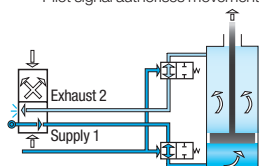
DI: 2006/42/EC (Machine Directive)  
test according to ISO 19973-5.  
B10d (1Hz) >70 millions of cycles

## Operation

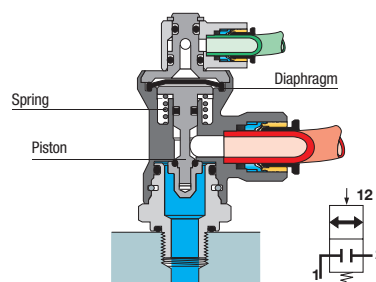
### Cylinder in Operation (pilot signal active)



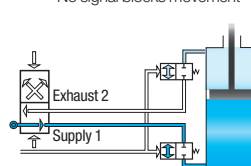
Pilot signal authorises movement



### Cylinder Blocked (pilot signal removed)

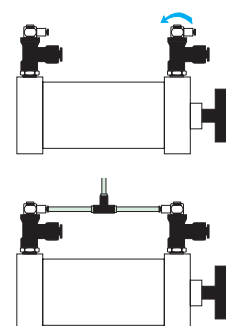


No signal blocks movement



### Installation

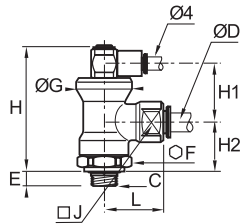
Mounted in pairs, blocking fittings are installed directly on the cylinder. Being fully orientable, they offer excellent flexibility in the design and installation of pneumatic circuits.



# Blocking Fittings

## 7880 Blocking Fitting, Male BSPP Thread

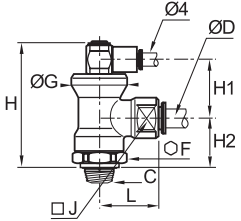
Nickel-plated brass, NBR



ØD	C		E	F	G	H	H1	H2	J	L	Kg
6	G1/8	<a href="#">7880 06 10</a>	5.5	21	24	53	24.5	21	17	28	0.127
	G1/4	<a href="#">7880 06 13</a>	6.5	21	24	53	24.5	21	17	28	0.130
8	G1/4	<a href="#">7880 08 13</a>	6.5	21	24	53	24.5	21	17	28	0.124
	G3/8	<a href="#">7880 08 17</a>	7.5	21	24	53	24.5	21	17	28	0.127
10	G3/8	<a href="#">7880 10 17</a>	7.5	24	28	58	25	25	27	35	0.210
12	G1/2	<a href="#">7880 12 21</a>	9	24	28	58	25	25	27	37.5	0.220

## 7885 Blocking Fitting, Male BSPT Thread

Nickel-plated brass, NBR

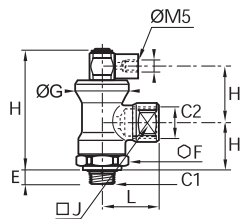


ØD	C		F	G	H	H1	H2	J	L	Kg
6	R1/8	<a href="#">7885 06 10</a>	21	24	51.5	25	20	17	28	0.127
	R1/4	<a href="#">7885 06 13</a>	21	24	51.5	25	20	17	28	0.131
8	R1/4	<a href="#">7885 08 13</a>	21	24	51.5	25	20	17	28	0.126
	R3/8	<a href="#">7885 08 17</a>	21	24	51.5	25	20	17	28	0.131
10	R3/8	<a href="#">7885 10 17</a>	24	28	57	25	24	27	35	0.217
12	R1/2	<a href="#">7885 12 21</a>	24	28	57	25	24	27	37.5	0.229

Pre-coated thread

## 7881 Blocking Fitting, Male/Female BSPP Thread

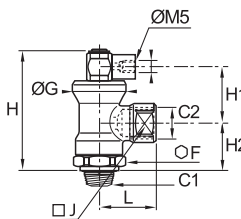
Nickel-plated brass, NBR



C1	C2		E	F	G	H	H1	H2	J	L	Kg
G1/8	G1/4	<a href="#">7881 13 10</a>	5.5	21	24	53	24.5	21	17	25.5	0.119
G1/4	G1/4	<a href="#">7881 13 13</a>	6.5	21	24	53	24.5	21	17	25.5	0.120
G3/8	G3/8	<a href="#">7881 17 17</a>	7.5	24	28	58	25	25	27	34	0.208
G1/2	G1/2	<a href="#">7881 21 21</a>	9	24	28	58	25	25	27	40	0.221

## 7886 Blocking Fitting, Male/Female BSPT Thread

Nickel-plated brass, NBR

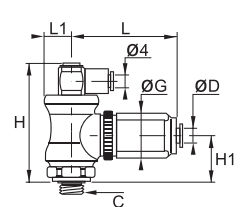


C1	C2		F	G	H	H1	H2	J	L	Kg
R1/8	R1/4	<a href="#">7886 13 10</a>	21	24	51.5	25	20	17	26.5	0.121
R1/4	R1/4	<a href="#">7886 13 13</a>	21	24	51.5	25	20	17	26.5	0.126
R3/8	R3/8	<a href="#">7886 17 17</a>	24	28	57	25	24	27	34	0.225
R1/2	R1/2	<a href="#">7886 21 21</a>	24	28	57	25	24	27	40	0.235

Pre-coated thread

## 7883 Blocker/Flow Regulator, Male BSPP Thread

Nickel-plated brass, technical polymer, NBR



ØD	C		G	H	H1	L	L <sub>max</sub>	L1	Kg
4	G1/8	<a href="#">7883 04 10</a>	21.5	53	21	46.5	52	12	0.166
	G1/4	<a href="#">7883 06 10</a>	21.5	53	21	46.5	52	12	0.163
6	G1/4	<a href="#">7883 06 13</a>	21.5	53	21	46.5	52	12	0.166
	G1/4	<a href="#">7883 08 13</a>	27	57.5	24.5	54	60	14	0.252
8	G3/8	<a href="#">7883 08 17</a>	27	57.5	24.5	54	60	14	0.254

Combination of blocking and flow regulation functions

Working temperature: 0 to +70°C

# Piloted Non-Return Valves

Piloted non-return valves are designed to **protect installations**: if the compressed air supply is removed, they lock the air supply to the cylinder, thus maintaining it in position.

## Product Advantages

- System Protection**
  - Protection of your system
  - Control of inlet and outlet flow: cylinder operation optimised
  - Vent saves time on restart after maintenance operations (model 7894)
- 3 Functions in 1 Product**
  - A multi-purpose fitting:
    - piloted non-return valve
    - flow control regulator
    - manual exhaust
  - All-in-one product: integrated fittings for the control and supply
- Flexible Operation**
  - Orientable and adjustable through 3 axes
  - Can be integrated into any installation configuration
  - Push-in connection for quicker and more reliable installation
  - Mounted in pairs directly on the cylinder



**Applications**

- Pneumatics
- Assembly
- Robotics
- Machine Tools
- Packaging
- Handling
- Automotive Process

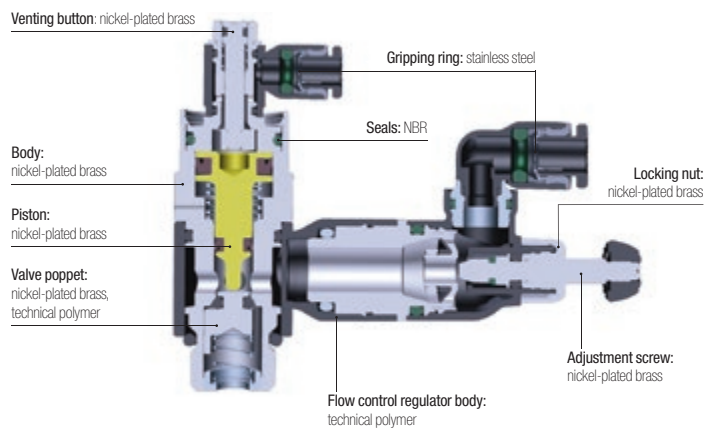
## Technical Characteristics

<b>Compatible Fluids</b>	Compressed air
<b>Working Pressure</b>	1 to 10 bar
<b>Working Temperature</b>	-5°C to +60°C
<b>Cracking Pressure</b>	0.3 bar

### Regulations

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

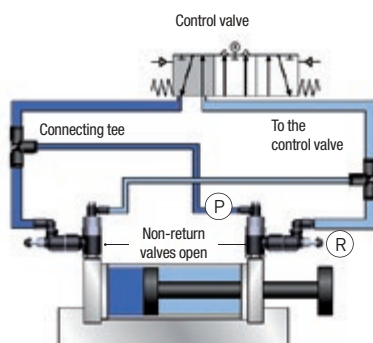
### Component Materials



**Silicone-free**

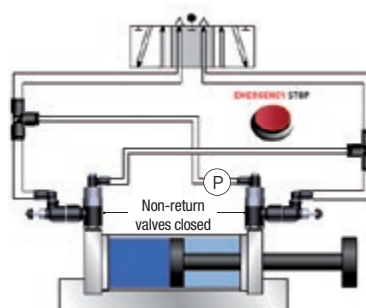
## Operation

### Normal Operation



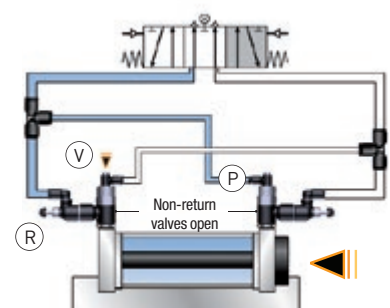
Pilot signal (P)  
 Regulation of cylinder rod speed (R)

### Emergency Stop or Pressure Drop



Drop/removal of pilot pressure (P) = cylinder rod locked

### Venting Operation

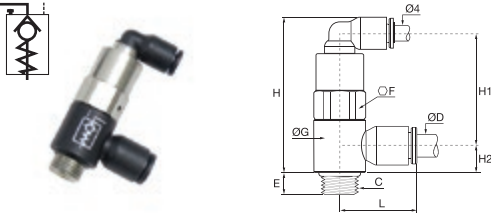


Venting (V) returns the cylinder rod to the to start position, emptying the pressure chamber through the flow regulator (R) and pilot line (P)

# Piloted Non-Return Valves

## 7892 Piloted Non-Return Valve, Male BSPP Thread

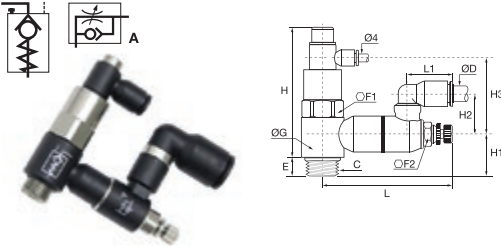
Technical polymer, nickel-plated brass, NBR



ØD	C		E	F	G	H	H1	H2	L	Kg
6	G1/8	<a href="#">7892 06 10</a>	6	13	14	42	30	7	21	0.020
	G1/4	<a href="#">7892 06 13</a>	9	17	18.5	45	32	9	23	0.042
8	G1/8	<a href="#">7892 08 10</a>	6	13	14	42	29	9	25	0.020
	G1/4	<a href="#">7892 08 13</a>	9	17	18.5	45	32	9	27	0.042
10	G3/8	<a href="#">7892 08 17</a>	6	20	22.5	57	41	11	28	0.093
	G3/8	<a href="#">7892 10 17</a>	6	20	22.5	57	41	11	31	0.144
12	G1/2	<a href="#">7892 10 21</a>	10	24	28	63	47	16	36	0.109
	G1/2	<a href="#">7892 12 21</a>	10	24	28	63	47	16	36	0.150

## 7894 Piloted Non-Return Valve with Flow Regulator and Exhaust, Male BSPP Thread

Technical polymer, nickel-plated brass



ØD	C		E	F1	F2	G	H	H1	H2	H3	L	L <sub>max</sub>	L1	Kg
6	G1/8	<a href="#">7894 06 10</a>	6	13	8	14	46	7	24	31	48.5	51	16	0.041
	G1/4	<a href="#">7894 06 13</a>	9	17	10	18.5	49	11	18	31	59.5	65	17	0.067
8	G1/8	<a href="#">7894 08 10</a>	6	13	8	14	46	7	27	31	48.5	51	22	0.051
	G1/4	<a href="#">7894 08 13</a>	9	17	10	18.5	49	11	23	31	59.5	65	23	0.068
10	G3/8	<a href="#">7894 08 17</a>	7	20	14	22.5	69	13	21	40	67.5	73	23	0.060
	G3/8	<a href="#">7894 10 17</a>	7	20	14	22.5	69	13	29	40	67.5	73	26	0.061
12	G1/2	<a href="#">7894 10 21</a>	9	24	17	28	76	12.5	26	47	74	81	26	0.234
	G1/2	<a href="#">7894 12 21</a>	9	24	17	28	76	12.5	27	47	74	81	30	0.237

## Related Product

### LF 3000® Push-In Fittings

#### Unequal Tee

P. 1-18



Model		Pilot and depilot threshold				
		2 bar	4 bar	6 bar	8 bar	10 bar
G1/8	Pilot Pressure	1.2	1.72	2.44	2.96	3.56
	Depilot Pressure	0.56	0.96	1.12	1.76	2.12
G1/4	Pilot Pressure	0.92	1.52	2.12	2.68	3.28
	Depilot Pressure	0.64	1.16	1.68	2.16	2.64
G3/8	Pilot Pressure	1.12	1.84	2.56	3.32	4.08
	Depilot Pressure	0.64	1.04	1.44	1.84	2.36
G1/2	Pilot Pressure	1.04	1.60	2.12	2.76	3.88
	Depilot Pressure	0.76	1.28	1.76	2.20	2.72

Maximum Flow at 6 bar (Nl/min)	7894 06 10	7894 06 13	7894 08 10	7894 08 13	7894 08 17	7894 10 17	7894 10 21	7894 12 21
Direction of Adjustment	250	475	240	585	875	940	1535	1560
Return	365	620	355	815	1085	1205	1860	1940

# 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**
  - Tried and tested durability according to DI 2006/42/CE
  - 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



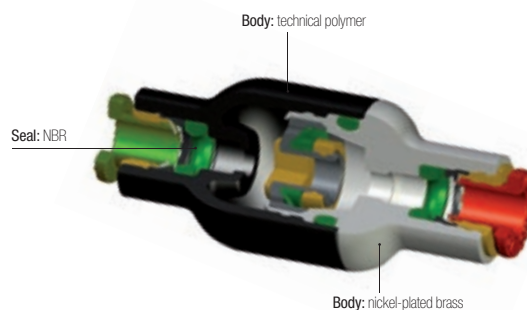
Automotive Process  
Robotics  
Vacuum  
Textile  
Semi-Conductors  
Packaging  
Pneumatics

Applications

## Technical Characteristics

<b>Compatible Fluids</b>	Compressed air	
<b>Working Pressure</b>	1 to 10 bar	
<b>Working Temperature</b>	0°C to +70°C	
<b>Cracking Pressure</b>	0.3 bar	
<b>Flow Characteristics (NI/min)</b>	<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

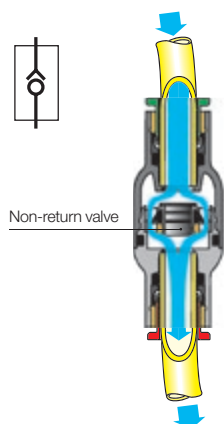
### Regulations

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

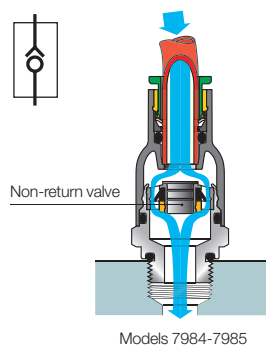
DI : 2006/42/EC (Machine Directive)  
test according to ISO 19973-5. B10d (1Hz)  
>40 millions of cycles

## Operation

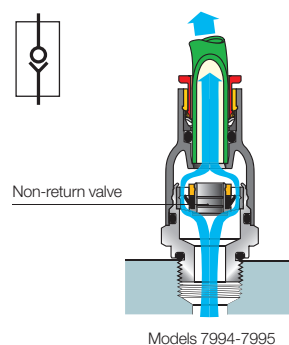
### In-Line Version



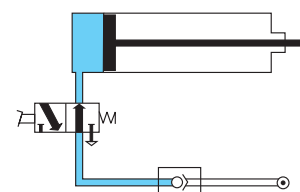
### Supply Version



### Exhaust Version



### Installation Diagram

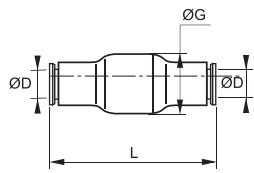


# Non-Return Valves

## 7996 In-Line Equal Non-Return Valve



Technical polymer, nickel-plated brass, NBR

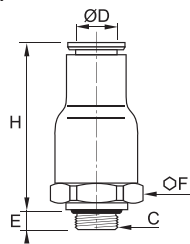


ØD		G	L	Kg
4	<a href="#">7996 04 00</a>	16	38.5	0.008
6	<a href="#">7996 06 00</a>	16	41	0.013
8	<a href="#">7996 08 00</a>	19	51.5	0.017
10	<a href="#">7996 10 00</a>	23	63.5	0.070
12	<a href="#">7996 12 00</a>	23	66.5	0.050

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



Technical polymer, nickel-plated brass, NBR

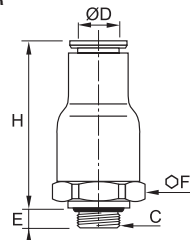


ØD	C		E	F	H	Kg
4	M5x0.8	<a href="#">7984 04 19</a>	3	9	32	0.008
	G1/8	<a href="#">7984 04 10</a>	5	16	28.5	0.015
6	G1/4	<a href="#">7984 06 13</a>	5.5	16	30.5	0.015
	G1/8	<a href="#">7984 08 10</a>	5	19	36	0.021
8	G1/4	<a href="#">7984 08 13</a>	5.5	19	36	0.023
	G3/8	<a href="#">7984 10 17</a>	5.5	23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

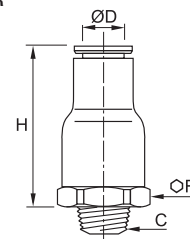


ØD	C		E	F	H	Kg
4	M5x0.8	<a href="#">7994 04 19</a>	3	9	32	0.790
	G1/8	<a href="#">7994 04 10</a>	5	16	28.5	0.018
6	G1/8	<a href="#">7994 06 10</a>	5	16	30.5	0.015
	G1/4	<a href="#">7994 06 13</a>	5.5	16	30.5	0.015
8	G1/8	<a href="#">7994 08 10</a>	5	19	36	0.023
	G1/4	<a href="#">7994 08 13</a>	5.5	19	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



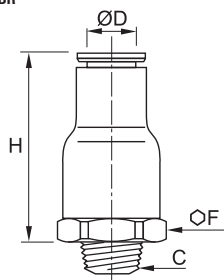
ØD	C		F	H	Kg
4	R1/8	<a href="#">7985 04 10</a>	16	28.5	0.016
	R1/8	<a href="#">7985 06 10</a>	16	30.5	0.016
6	R1/4	<a href="#">7985 06 13</a>	16	30.5	0.021
	R1/8	<a href="#">7985 08 10</a>	19	36	0.022
8	R1/4	<a href="#">7985 08 13</a>	19	36	0.020
	R3/8	<a href="#">7985 10 17</a>	23	42	0.049
12	R3/8	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



# Nickel-Plated Brass Adjustable Non-Return Valves

These nickel-plated brass adjustable non-return valves, suitable for **harsh environments**, allow compressed air to flow in one direction and prevent flow in the other. This product incorporates **precise adjustment** of opening pressure for greater flexibility.

## Product Advantages

- Robust** | Excellent resistance to abrasion and corrosion  
Developed for the food process industry
- Optimised Inventory Management** | A single valve for multiple opening pressure settings  
Limits the number of versions  
Flexibility of use
- Protection & Safety** | Maintains downstream pressure if upstream pressure drops  
Designed with locking nut to protect initial setting in the event of:
  - vibration
  - intensive use
  - accidental handling
 Adjustment and locking of the non-return valve cracking pressure with two different Allen keys prevents the settings from being accidentally changed  
Smooth external profile to facilitate cleaning in situ  
Maximum constant flow guaranteed whatever the setting of the cracking pressure



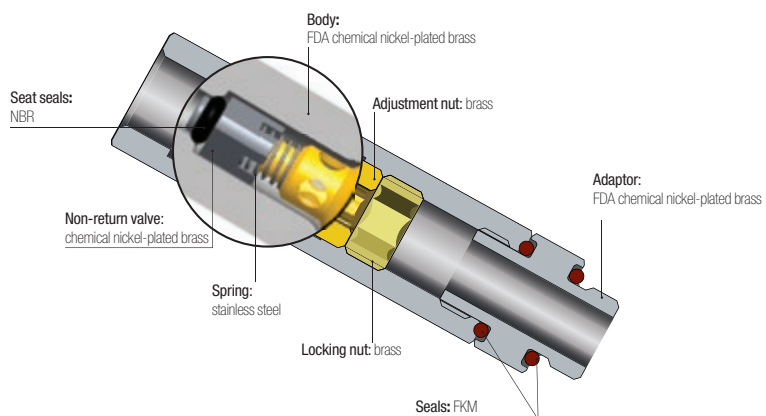
**Applications**

Printing  
Machine Tools  
Food Process  
Petrochemical  
Textile  
Automotive Process  
Chemical

## Technical Characteristics

<b>Compatible Fluids</b>	Compressed air					
<b>Working Pressure</b>	0 to 12 bar					
<b>Working Temperature</b>	-20°C to +80°C					
<b>Cracking Pressure</b>	Threads	0 to 4 turns (values given as an example only)				
	M5x0.8 - G1/8 - G1/4	1 to 0.10 bar				
	G3/8	1 to 0.15 bar				
	G1/2	1 to 0.20 bar				
<b>Max. Tightening Torques</b>	Threads	M5x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.16	0.8	1.2	3	3.5

### Component Materials



**Silicone-free**

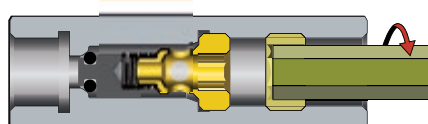
### Regulations

DI: 2002/95/EC (RoHS)  
 RG: External Components: 21CFR (FDA)  
 (seal: § 177.2600, nickel: §184.1537, grease: NSF H1)  
 RG: 1935/2004 (external surface flow ≥ 0.02 litre per hour)

DI: 2006/42/EC (external surface Ra < 0.8 µm)  
 RG: 1907/2006 (REACH)  
 DI: 2006/42/EC (Machine Directive) test according to ISO 19973-5.  
 B10d (1Hz) >70 millions of cycles

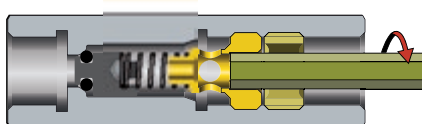
## Operation

### Step 1



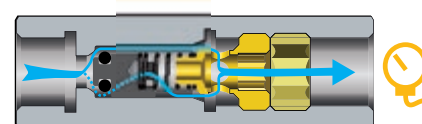
Unscrew the locking nut with an Allen key.

### Step 2



Unscrew the adjustment nut with a smaller Allen key to adjust the cracking pressure. The number of turns adjusts the cracking pressure from 1 bar to 0.10 bar.

### Step 3

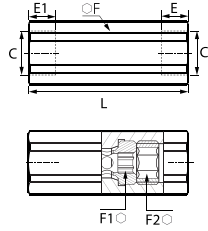


Tighten the locking nut with the Allen key to lock the cracking pressure setting. Then, control the pressure with a pressure gauge downstream.

# Nickel-Plated Brass Adjustable Non-Return Valves

## 7930 Adjustable Check Valve, Double Female BSPP and Metric Thread

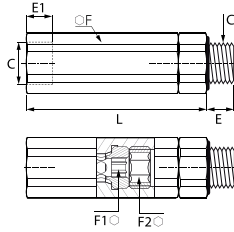
FDA chemical nickel-plated brass, FKM



C		E	E1	F	F1	F2	L	Kg
M5x0.8	<a href="#">7930 19 19</a>	8	4	13	4	6	49	0.055
G1/8	<a href="#">7930 10 10</a>	8	6	13	4	6	45	0.033
G1/4	<a href="#">7930 13 13</a>	10	7.5	16	6	8	54	0.073
G3/8	<a href="#">7930 17 17</a>	11	8.5	20	8	10	61.5	0.163
G1/2	<a href="#">7930 21 21</a>	13	10	24	10	12	73	0.171

## 7931 Adjustable Check Valve Supply, Male/Female BSPP Thread

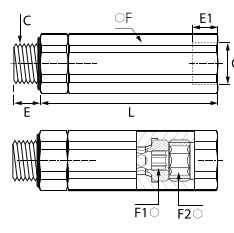
FDA chemical nickel-plated brass, FKM



C		E	E1	F	F1	F2	L	Kg
G1/8	<a href="#">7931 10 10</a>	5.5	6	13	4	6	51.5	0.043
G1/4	<a href="#">7931 13 13</a>	6.5	7.5	16	6	8	61.5	0.208
G3/8	<a href="#">7931 17 17</a>	7.5	8.5	20	8	10	70	0.125
G1/2	<a href="#">7931 21 21</a>	9	10	24	10	12	82.5	0.212

## 7932 Adjustable Check Valve Exhaust, Male/Female BSPP Thread

FDA chemical nickel-plated brass, FKM



C		E	E1	F	F1	F2	L	Kg
G1/8	<a href="#">7932 10 10</a>	5.5	8	13	4	6	51.5	0.009
G1/4	<a href="#">7932 13 13</a>	6.5	10	16	6	8	61.5	0.058
G3/8	<a href="#">7932 17 17</a>	7.5	11	20	8	10	70	0.123
G1/2	<a href="#">7932 21 21</a>	9	13	24	10	12	82.5	0.212

# LIQUIfit® Non-Return Valves

LIQUIfit® non-return valves meet the requirements for conveying **beverages**. They allow flow in one direction and prevent any return flow. Fitted in the circuit, they provide **total protection**.

## Product Advantages

### Suitable for Beverage Applications

- Fully compatible for use with water, beverages and liquid foodstuffs (liquids and gas)
- Very low cracking threshold
- Excellent chemical compatibility
- Resistant to cleaning products
- Hygienic design with smooth surfaces
- Fluid direction indicated
- EPDM sealing technology



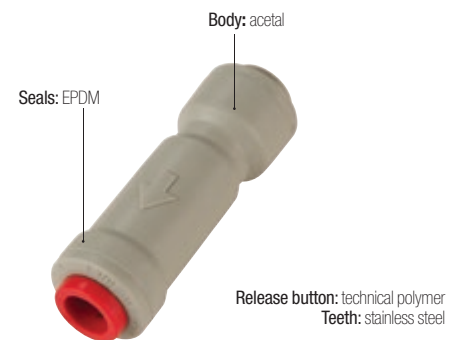
Water Softeners  
Water Treatment  
Water Purification  
Drinks Dispensers  
Hot & Cold Water Systems

Applications

## Technical Characteristics

Compatible Fluids	Water, beverages, liquid foodstuffs
Working Pressure	1 to 10 bar
Working Temperature	0°C to +65°C
Cracking Pressure	0.02 bar

### Component Materials



Silicone-free

### Regulations

DI: 2002/95/EC (RoHS), 2011/65/EC  
FDA: 21 CFR 177.1550  
NSF 51 (referenced material)  
NSF 61  
RG: 1907/2006 (REACH)

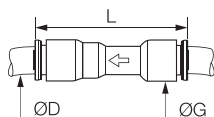
# LIQUIfit® Non-Return Valves

**7992**

Single Non-Return Valve



POM, EPDM



ØD		G	L	Kg
1/4	<a href="#">7992 56 00WP2</a>	17	51	0.008
5/16	<a href="#">7992 08 00WP2</a>	18	53	0.010
3/8	<a href="#">7992 60 00WP2</a>	20	55	0.011
1/2	<a href="#">7992 62 00WP2</a>	23	68	0.021

## Associated Products

The full range of LIQUIfit® products can be found in this catalogue:

- Push-in fittings for metric and inch tubing (Chapter 1)
- Valves (Chapter 6)

To complement the LIQUIfit® range, Parker Legris Advanced PE tubing (Chapter 3) is suited to the most demanding environments, approved for permanent contact with beverage and food products, as well as for water treatment.

# Stainless Steel Non-Return Valves

Stainless steel non-return valves are ideally suited to **harsh environments** and for conveying **many industrial fluids**. These products allow fluids to flow in one direction and prevent them from flowing in the other.

## Product Advantages

**Demanding Environments** | Robust design  
 Suitable for use with many chemicals or in corrosive environments  
 Compatible with many fluids

**Compact & Versatile** | Reduced dimensions  
 Smooth external surfaces contribute to equipment cleanliness  
 Flow direction symbol protects against incorrect installation  
 Hexagonal body to facilitate installation



**Applications**  
 Pneumatics  
 Machine Tools  
 Food Process  
 Printing  
 Chemical  
 Textile  
 Automotive Process

## Technical Characteristics

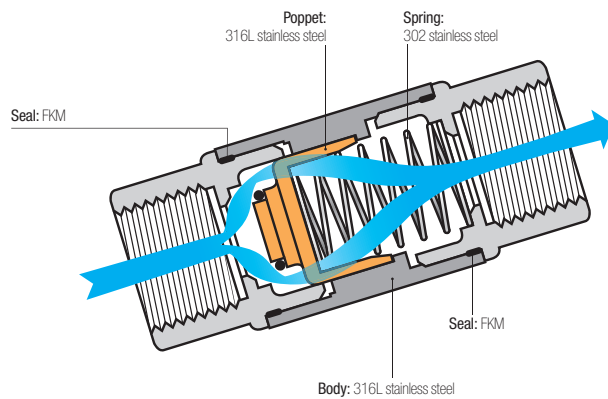
<b>Compatible Fluids</b>	Many fluids
<b>Working Pressure</b>	0.5 to 40 bar
<b>Working Temperature</b>	-20°C to +180°C

<b>Flow Characteristics</b>	Threads	NI/min	Kv
	G1/8	18.88	1.60
	G1/4	19.91	1.69
	G3/8	35.54	3.01
	G1/2	36.50	3.10
	G3/4	65.86	5.59
G1	92.60	7.86	

<b>Cracking Pressure</b>	0.25 bar
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### Component Materials



**Silicone-free**

### Regulations

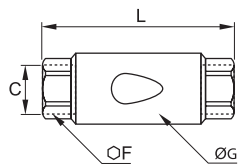
DI: 2002/95/EC (RoHS)  
 RG: 1907/2006 (REACH)  
 DI: 97/23/EC (PED)

# Stainless Steel Non-Return Valves

## 4890 Non-Return Valve, Female BSPP Thread



Stainless steel 316L, FKM

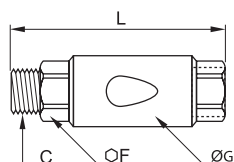


C	DN		F	G	L	Kg
G1/8	10	<a href="#">4890 10 10</a>	17	22	50	0.082
G1/4	10	<a href="#">4890 13 13</a>	17	22	50	0.074
G3/8	15	<a href="#">4890 17 17</a>	22	30	67	0.182
G1/2	15	<a href="#">4890 21 21</a>	24	30	71	0.183
G3/4	20	<a href="#">4890 27 27</a>	32	42	84	0.289
G1	25	<a href="#">4890 34 34</a>	38	42	90	0.420

## 4891 Non-Return Valve, Supply, Male BSPP Thread/Exhaust, Female BSPP Thread



Stainless steel 316L, FKM

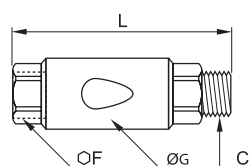


C	DN		F	G	L	Kg
G1/8	10	<a href="#">4891 10 10</a>	17	22	56	0.100
G1/4	10	<a href="#">4891 13 13</a>	17	22	58	0.082
G3/8	15	<a href="#">4891 17 17</a>	22	30	75	0.191
G1/2	15	<a href="#">4891 21 21</a>	24	30	79	0.210
G3/4	20	<a href="#">4891 27 27</a>	32	42	84	0.300
G1	25	<a href="#">4891 34 34</a>	38	42	102	0.519

## 4892 Non-Return Valve, Supply, Female BSPP Thread/Exhaust, Male BSPP Thread



Stainless steel 316L, FKM

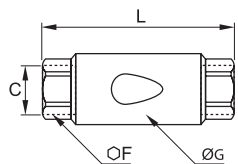


C	DN		F	G	L	Kg
G1/8	10	<a href="#">4892 10 10</a>	17	22	56	0.100
G1/4	10	<a href="#">4892 13 13</a>	17	22	58	0.082
G3/8	15	<a href="#">4892 17 17</a>	22	30	75	0.192
G1/2	15	<a href="#">4892 21 21</a>	24	30	79	0.211
G3/4	20	<a href="#">4892 27 27</a>	32	42	84	0.300
G1	25	<a href="#">4892 34 34</a>	38	42	102	0.519

## 4895 Non-Return Valve, Female NPT Thread



Stainless steel 316L, FKM



C	DN		F	G	L	Kg
NPT1/8	10	<a href="#">4895 11 11</a>	17	22	50	0.083
NPT1/4	10	<a href="#">4895 14 14</a>	17	22	54	0.079
NPT3/8	15	<a href="#">4895 18 18</a>	22	30	67	0.197
NPT1/2	15	<a href="#">4895 22 22</a>	24	30	77	0.196