# 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

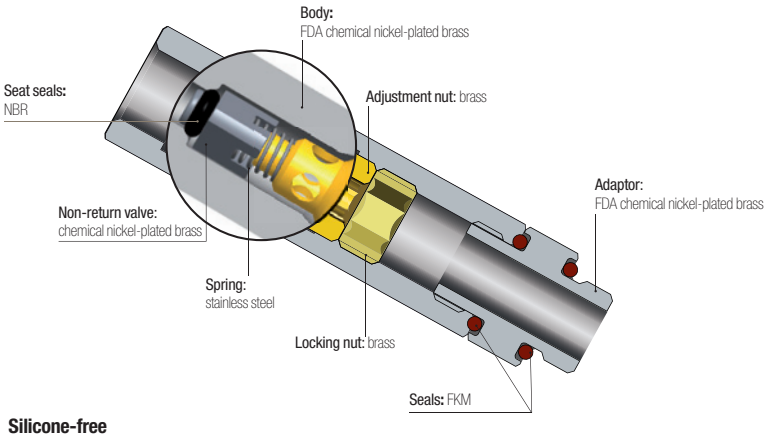
## Technical Characteristics

| | |
|---|---|
| **Compatible Fluids** | Compressed air |
| **Working Pressure** | 0 to 12 bar |
| **Working Temperature** | -20°C to +80°C |

| | Threads | 0 to 4 turns (values given as an example only) |
|---|---|---|
| **Cracking Pressure** | 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Max. Tightening Torques** | Threads | M5x0.8 | G1/8 | G1/4 | G3/8 | G1/2 |
| | daN.m | 0.16 | 0.8 | 1.2 | 3 | 3.5 |

### Component Materials



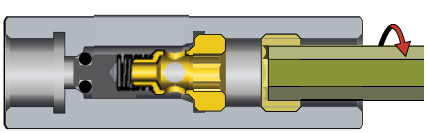

**Silicone-free**

### 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)

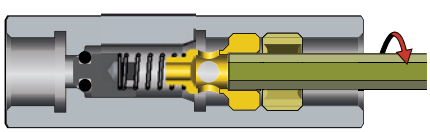
## Operation

### Step 1



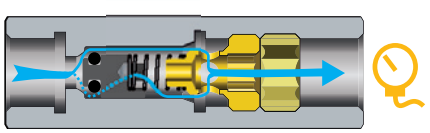
Unscrew the locking nut with an Allen key.

### 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

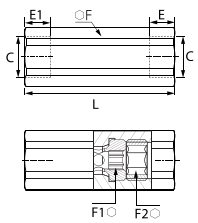


Tighten the locking nut with the Allen key to lock the cracking pressure setting. Then, control the pressure with a pressure gauge downstream.

# Nickel-Plated Brass Adjustable Non-Return Valves

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

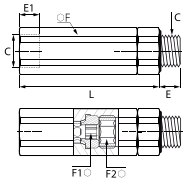
FDA chemical nickel-plated brass, FKM




| C | | E | E1 | F | F1 | F2 | L | kg |
|---|---|---|---|---|---|---|---|---|
| M5x0.8 | 7930 19 19 | 8 | 4 | 13 | 4 | 6 | 49 | 0.055 |
| G1/8 | 7930 10 10 | 8 | 6 | 13 | 4 | 6 | 45 | 0.033 |
| G1/4 | 7930 13 13 | 10 | 7.5 | 16 | 6 | 8 | 54 | 0.073 |
| G3/8 | 7930 17 17 | 11 | 8.5 | 20 | 8 | 10 | 61.5 | 0.163 |
| G1/2 | 7930 21 21 | 13 | 10 | 24 | 10 | 12 | 73 | 0.171 |

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

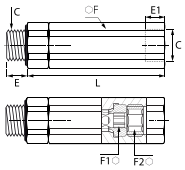
FDA chemical nickel-plated brass, FKM




| C | | E | E1 | F | F1 | F2 | L | kg |
|---|---|---|---|---|---|---|---|---|
| G1/8 | 7931 10 10 | 5.5 | 6 | 13 | 4 | 6 | 51.5 | 0.043 |
| G1/4 | 7931 13 13 | 6.5 | 7.5 | 16 | 6 | 8 | 61.5 | 0.208 |
| G3/8 | 7931 17 17 | 7.5 | 8.5 | 20 | 8 | 10 | 70 | 0.125 |
| G1/2 | 7931 21 21 | 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 | 7932 10 10 | 5.5 | 8 | 13 | 4 | 6 | 51.5 | 0.009 |
| G1/4 | 7932 13 13 | 6.5 | 10 | 16 | 6 | 8 | 61.5 | 0.058 |
| G3/8 | 7932 17 17 | 7.5 | 11 | 20 | 8 | 10 | 70 | 0.123 |
| G1/2 | 7932 21 21 | 9 | 13 | 24 | 10 | 12 | 82.5 | 0.212 |



Function Fittings