

# 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



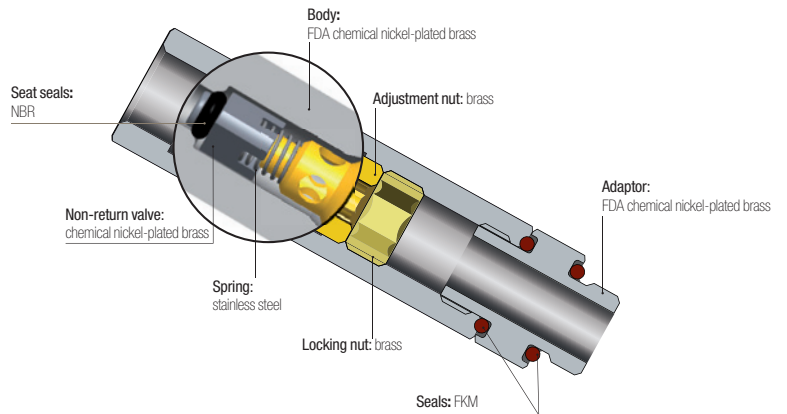
**Applications**

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

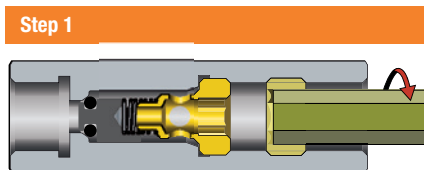


**Silicone-free**

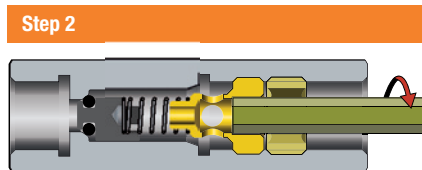
### Regulations

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  $\geq$  0.02 litre per hour)  
 DI: 2006/42/EC (external surface Pa < 0.8  $\mu$ m)  
 RG: 1907/2006 (REACH)

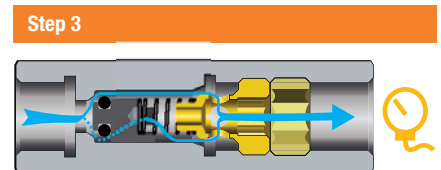
## Operation



Unscrew the locking nut with an Allen key.





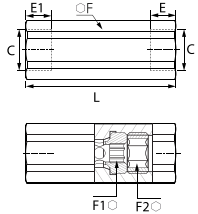

Unscrew the adjustment nut with a smaller Allen key to adjust the cracking pressure. The number of turns adjusts the cracking pressure from 1 bar to 0.10 bar.





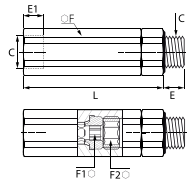

Tighten the locking nut with the Allen key to lock the cracking pressure setting. Then, control the pressure with a pressure gauge downstream.

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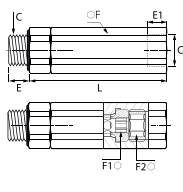

## 7930 Adjustable Check Valve, Double Female BSPP and Metric Thread

| <br> | FDA chemical nickel-plated brass,<br>FKM<br> |  |        |            |    |     |    |    | kg |      |       |
|---|---|---|--------|------------|----|-----|----|----|----|------|-------|
|   |   |   | C      | E          | E1 | F   | F1 | F2 |    | L    |       |
|   |   |   | 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

| <br> | FDA chemical nickel-plated brass,<br>FKM<br> |  |      |            |     |     |    |    | kg |      |       |
|---|---|---|------|------------|-----|-----|----|----|----|------|-------|
|   |   |   | C    | E          | E1  | F   | F1 | F2 |    | L    |       |
|   |   |   | 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

| <br> | FDA chemical nickel-plated brass,<br>FKM<br> |  |      |            |     |    |    |    | kg |      |       |
|---|---|---|------|------------|-----|----|----|----|----|------|-------|
|   |   |   | C    | E          | E1  | F  | F1 | F2 |    | L    |       |
|   |   |   | 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 |