

# 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)

## 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.