

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: <ul style="list-style-type: none"> • 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

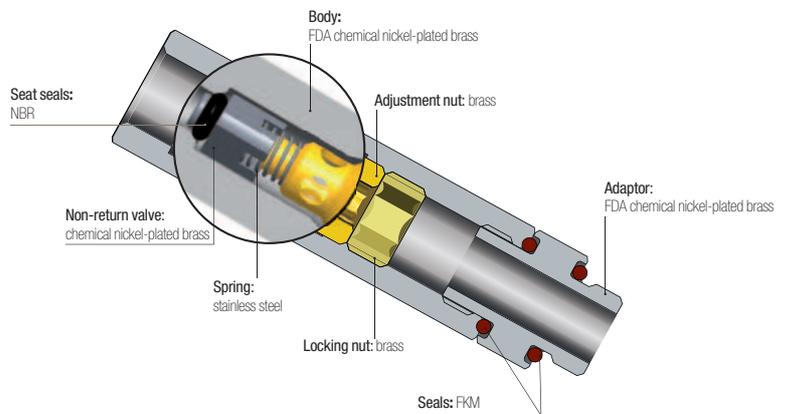
Technical Characteristics

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

Cracking Pressure	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

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



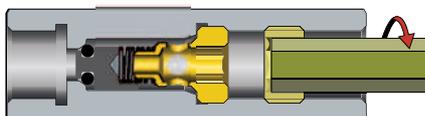
Silicone-free

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

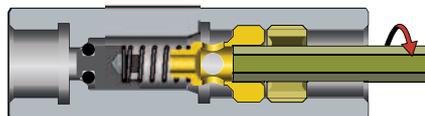
Operation

Step 1



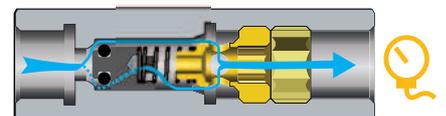
Unscrew the locking nut with an Allen key.

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.

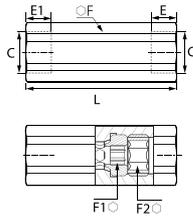
Nickel-Plated Brass Adjustable Non-Return Valves

7930

Adjustable Check Valve, Double Female BSPP and Metric Thread



FDA chemical nickel-plated brass, FKM



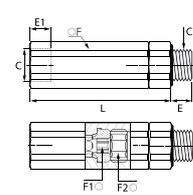
C		E	E1	F	F1	F2	L	kg
M5x0.8	7930 19 19	8	4	13	4	6	49	0.055
G1/8	7930 10 10	8	6	13	4	6	45	0.033
G1/4	7930 13 13	10	7.5	16	6	8	54	0.073
G3/8	7930 17 17	11	8.5	20	8	10	61.5	0.163
G1/2	7930 21 21	13	10	24	10	12	73	0.171

7931

Adjustable Check Valve Supply, Male/Female BSPP Thread



FDA chemical nickel-plated brass, FKM



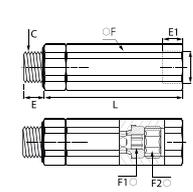
C		E	E1	F	F1	F2	L	kg
G1/8	7931 10 10	5.5	6	13	4	6	51.5	0.043
G1/4	7931 13 13	6.5	7.5	16	6	8	61.5	0.208
G3/8	7931 17 17	7.5	8.5	20	8	10	70	0.125
G1/2	7931 21 21	9	10	24	10	12	82.5	0.212

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