Adjustable Non-Return Valves

These nickel-plated brass adjustable non-return valves allow compressed air to flow in one direction and prevent flow in the other. They incorporate precise adjustment of opening pressure in the return diretion.

Technical Characteristics

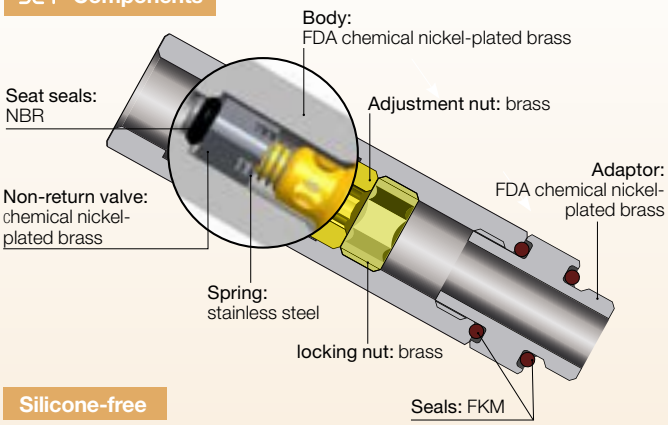
- **Compatible Fluids:** compressed air
- **Working Pressure:** 0 to 12 bar
- **Working Temperature:** -20°C to +80°C

	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	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.16	0.8	1.2	3	3.5

Component Materials

External Components



Silicone-free

Advantages

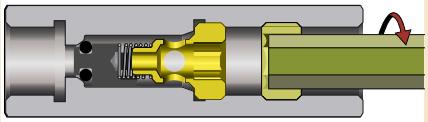
- Adjustment and locking of the non-return valve cracking pressure with two 2 Allen keys prevents the settings from being accidentally changed
- Designed with locking nut to protect initial setting in the event of vibration or accidental handling
- Developed for the food process industry (FDA compliance) and smooth external profile to facilitate cleaning in situ

Regulations

- RoHS
- FDA : 21CFR
- REACH

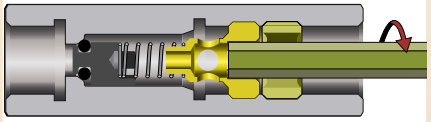
Operation

Step 1



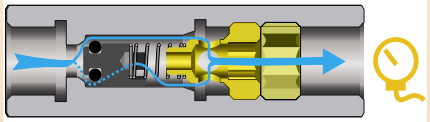
Unscrew the locking nut with an Allen key.

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.

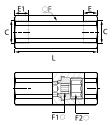
Step 3



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

7930 Adjustable Check Valve, Double Female BSPP and Metric Thread

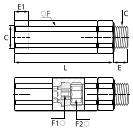
FDA chemical Nickel-plated brass, FKM



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