

Adjustable Check Valve

in Nickel-Plated Brass
Designed for Compressed Air Applications in Severe Environments

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Parker

legris connectic

ENGINEERING YOUR SUCCESS.



ADJUSTABLE CHECK VALVE

Food Process

Machine Tools

Printing Machines



Textile Machines

Chemistry/Petrochemistry

In-Plant Automotive

Non-Return Valve Function

- Allows air to pass in one direction whilst blocking flow in the other direction
- May be mounted upstream of the circuit

Perfectly Designed for Use in Severe Environments

- Excellent resistance to abrasion and corrosion
- Compatible with industrial food applications, in conformity with FDA and 1935/2004 standards

Optimized Stock Management

- Reduction of references in stock thanks to integrated function for opening pressure adjustment

Equipment Protection

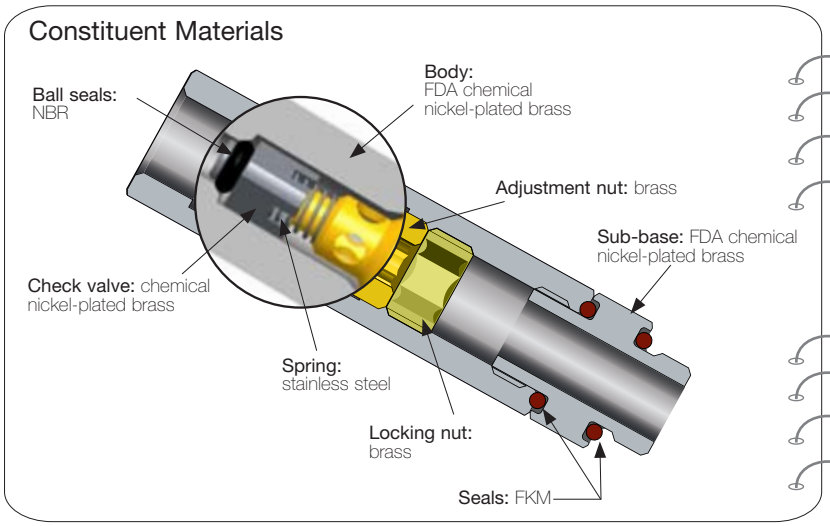
- In case of pressure loss, equipment is protected from damage since pressure is maintained in the system

Safety Feature

- Use of 2 different types of Allen keys prevents unwanted adjustment

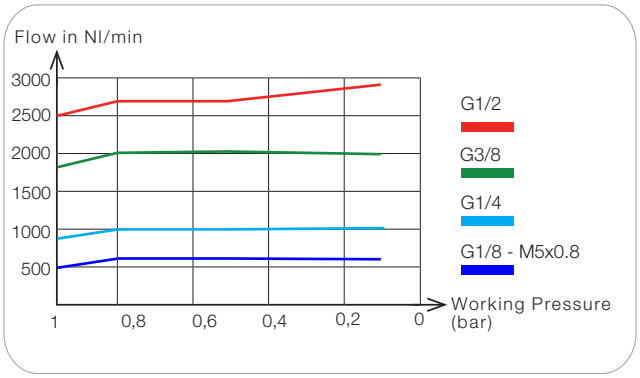
Check valves are designed for directional flow control only. Parker Legris' check valves should never be used as safety valves.

> Technical Characteristics



Suitable Fluid	Compressed air
Working Pressure	0 to 12 bar
Cracking Pressure	0.10 to 1 bar
Working Temperature	-20°C to +80°C

> Flow Characteristics at 6 bar



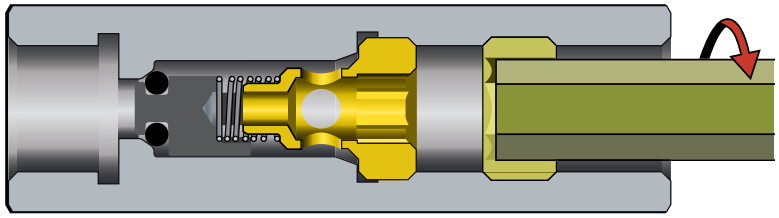
> Maximum Tightening Torque

Thread	M5x0,8	G1/8	G1/4	G3/8	G1/2
daN.m	0.16	0.8	1.2	3	3.5

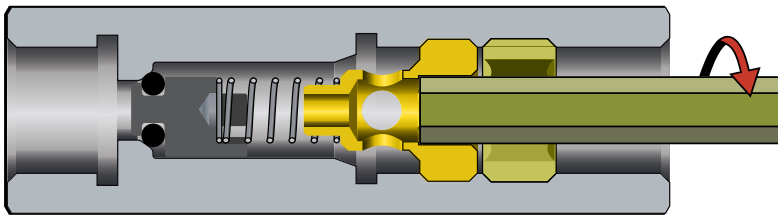
> Cracking Pressure Setting

Turns		0 to 4 Turns Indicative Values
Cracking Pressure (bar)	G1/8 - M5x0.8	1 to 0.10 bar
	G1/4	1 to 0.10 bar
	G3/8	1 to 0.15 bar
	G1/2	1 to 0.20 bar

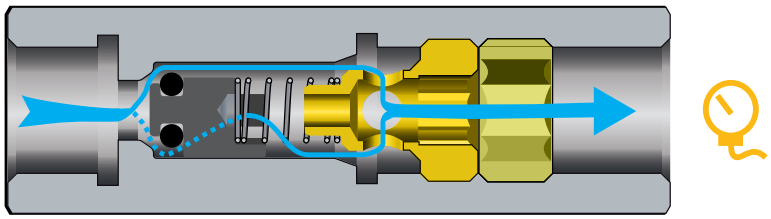
> Working Principle



Turn the locking nut with an Allen key.



Turn the setting nut with a smaller Allen key to adjust the cracking pressure.
The number of turns sets the cracking pressure from 1 bar to 0.10 bar.

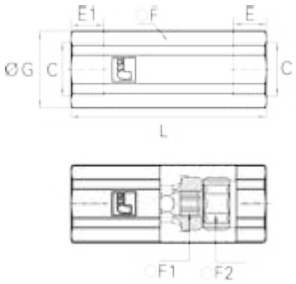


Turn the locking nut with an Allen key to lock the cracking pressure setting. Then control the pressure with a pressure gauge downstream.

> Dimensions

7930 Adjustable check valve double female, BSPP and metric thread

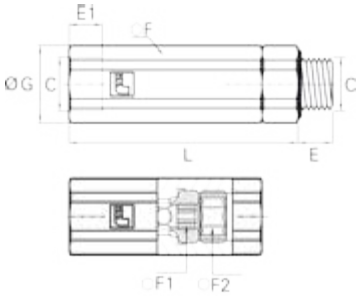




C		E	E1	F	F1	F2	G	L	
M5x0,8	7930 19 19	8	4	13	4	6	14	49	0.046
G1/8	7930 10 10	8	6	13	4	6	14	45	0.037
G1/4	7930 13 13	10	7.5	16	6	8	17.5	54	0.061
G3/8	7930 17 17	11	8.5	20	8	10	22	61.5	0.107
G1/2	7930 21 21	13	10	24	10	12	26	73	0.171

7931 Adjustable check valve male-female, supply version, BSPP thread

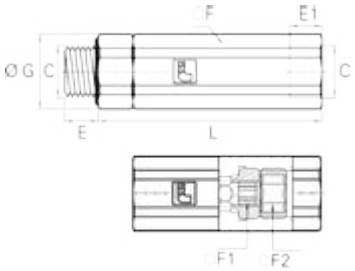




C		E	E1	F	F1	F2	G	L	
G1/8	7931 10 10	5.5	6	13	4	6	14	51.5	0.046
G1/4	7931 13 13	6.5	7.5	16	6	8	17.5	61.5	0.076
G3/8	7931 17 17	7.5	8.5	20	8	10	22	70	0.132
G1/2	7931 21 21	9	10	24	10	12	26	82.5	0.212

7932 Adjustable check valve male-female, exhaust version, BSPP thread





C		E	E1	F	F1	F2	G	L	
G1/8	7932 10 10	5.5	8	13	4	6	14	51.5	0.046
G1/4	7932 13 13	6.5	10	16	6	8	17.5	61.5	0.076
G3/8	7932 17 17	7.5	11	20	8	10	22	70	0.132
G1/2	7932 21 21	9	13	24	10	12	26	82.5	0.212

BSPT supply and exhaust versions are also available upon request for diameters R1/8, R1/4, R3/8 and R1/2.

> Regulations

The nickel-plated brass check valve can come into direct contact with food, but is not suitable for permanent food contact.

According to the FDA standard and 1935/2004 regulation, the minimum flow outside the product must be ≥ 0,02 liters per hour.

Parker Legris has a policy of continual product development and therefore reserves the right to modify products shown in this leaflet. Please treat all dimensions therefore as indicative.

Parker Legris offers a comprehensive range of connection solutions; please consult our general catalogue or visit www.legris.com or www.parkerconnectic.com.

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