



Parker Legris

Machine Safety: Product Sheets



ENGINEERING YOUR SUCCESS.



Blocking Fittings

Blocking fittings include a pneumatic monostable 2/2 normally closed (NC) function.

These fittings are directly installed onto the pneumatic cylinder supply and exhaust chamber.



7880
Blocking Fitting, Male BSPP Thread

ØD	C	
6	G1/8	7880 06 10
	G1/4	7880 06 13
8	G1/4	7880 08 13
	G3/8	7880 08 17
10	G3/8	7880 10 17



7881
Blocking Fitting, Male/Female BSPP Thread

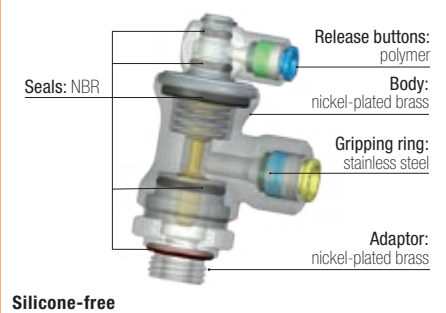
C1	C2	
G1/8	G1/4	7881 13 10
G1/4	G1/4	7881 13 13
G3/8	G3/8	7881 17 17
G1/2	G1/2	7881 21 21



7883
Blocker/Flow Regulator, Male BSPP Thread

ØD	C	
4	G1/8	7883 04 10
6	G1/8	7883 06 10
	G1/4	7883 06 13
8	G1/4	7883 08 13
	G3/8	7883 08 17

Component Materials



✓ Machinery Directive DI 2006/42/EC

ISO 13849: Reliability (related to MTTFd of safety function)

B10d = 100 000 000 cycles, according to ISO 19973 tests with a frequency of 1Hz.

The failure criteria is determined by the safety function (valve) according to standard ISO 19973.

Conditions of use Safety Coefficient (related to CCF)

Fluids: compressed air
Working pressure: 1 to 10 bar
Working temperature:
-20°C to +70°C
-25°C to +70°C (metal version)
Working pressure is dependant upon the cracking pressure with a safety coefficient of 3.

Endurance (related to CCF)

The number of pressure cycles of the instant connection function of the fitting connected to polymer semi-rigid tubing at 1Hz from 1 to 6 bar : 63 000 000

Diagnostic coverage (related to DC avg and to safety function)

Sources of failure related to pneumatic components, taken from the DIN EN ISO 13849-2 standard.
Impossible to eliminate the failure:
- Change of response time
- No commutation/no return commutation
- Change of leakage over a long period of use
- Pressure drop

✓ Reference Directives and Standards for Design

ISO 12238

Commutation switch: 5 ms
Commutation time is determined according to the standard test methodology.

ISO 14743

Instant connection complies with the ISO14743 tests.

EN 10204

With the order reference, we can provide types 2.2 ou 2.1 certificates, upon request.

Pressure equipment directive 2014/68/EC

Meet the requirements of § 4.3 article and test pressure equivalent to 1.5 times the recommended working pressure.

Complementary Ranges

- Polyamide tubing
- Polyurethane tubing
- Polyethylene tubing





Piloted Non-Return Valves (PNRV)

These fittings include a normally closed (NC) monostable valve with a flow control regulation function and quick exhaust (model 7894).

These fittings are directly installed onto the pneumatic cylinder supply and exhaust chamber.



7892
Piloted Non-Return Valve, Male BSPP Thread

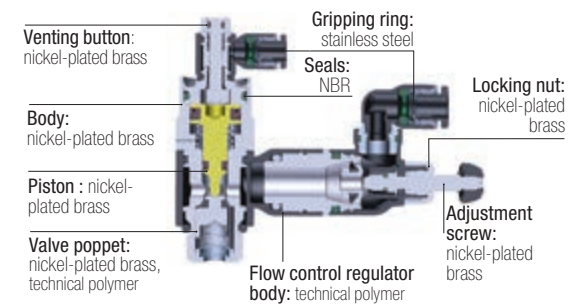
ØD	C	
6	G1/8	7892 06 10
	G1/4	7892 06 13
8	G1/8	7892 08 10
	G1/4	7892 08 13
	G3/8	7892 08 17
10	G3/8	7892 10 17
	G1/2	7892 10 21
12	G1/2	7892 12 21



7894
Piloted Non-Return Valve with Flow Regulator and Exhaust, Male BSPP Thread

ØD	C	
6	G1/8	7894 06 10
	G1/4	7894 06 13
8	G1/8	7894 08 10
	G1/4	7894 08 13
	G3/8	7894 08 17
10	G3/8	7894 10 17
	G1/2	7894 10 21
12	G1/2	7894 12 21

Component materials



Silicone-free

Machinery Directive DI 2006/42/EC

ISO 13849 : reliability
(related to MTTFd of safety function)

Not applicable

Conditions of use
Safety coefficient
(related to CCF)

Fluids: compressed air
Working pressure: 1 to 10 bar
Working temperature:
-5°C to +60°C

Endurance
(related to CCF)

The number of pressure cycles of the instant connection function of the fitting connected to polymer semi-rigid tubing at 1Hz from 1 to 6 bar: 63 000 000

Diagnostic coverage
(related to DC avg and to safety function)

Sources of failure related to pneumatic components, taken from the DIN EN ISO 13849-2 standard.

Impossible to eliminate failure:

- Change of response time
- No commutation/no return commutation
- Change of leakage over a long period of use
- Pressure drop

Reference Directives and Standards for Design

ISO 12238

Commutation switch: < 5 ms
Commutation time is determined according to the standard test methodology.

ISO 14743

Instant connection comply with the ISO14743 tests.

EN 10204

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Pressure equipment directive 2014/68/EC

Meet the requirements of § 4.3 article and test pressure equivalent to 1.5 times the recommended working pressure.

Complementary Products

- Polyamide tubing
- Polyurethane tubing
- Polyethylene tubing





Non-Return Valves

Non-return valves include a monostable normally closed (NC) valve with a cracking threshold of 0,3 bar.



7984
In-Line Non-Return Valve, Supply, Male BSSP and Metric Thread

ØD	C	
4	M5x0.8	7984 04 19
	G1/8	7984 04 10
6	G1/8	7984 06 10
	G1/4	7984 06 13
8	G1/8	7984 08 10
	G1/4	7984 08 13



7994
In-Line Non-Return Valve, Exhaust, Male BSSP and Metric Thread

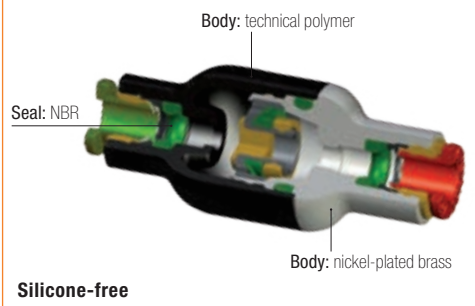
ØD	C	
4	M5x0.8	7994 04 19
	G1/8	7994 04 10
6	G1/8	7994 06 10
	G1/4	7994 06 13
8	G1/8	7994 08 10
	G1/4	7994 08 13



7996
In-Line Equal Non-Return Valve

ØD	
4	7996 04 00
6	7996 06 00
8	7996 08 00
10	7996 10 00
12	7996 12 00

Component Materials



✓ Machinery Directive DI 2006/42/EC

ISO 13849 : reliability
(related to MTTFd of safety function)

B10d = 26 000 000 cycles , according to ISO 19973 tests with a frequency of 1Hz.
The failure criteria is determined by the safety function (valve) according to standard ISO 19973.

Conditions of use
Safety coefficient
(related to CCF)

Fluids: compressed air
Working pressure: 1 to 10 bar
Working temperature:
0°C to +70°C

Endurance
(related to CCF)

The number of pressure cycles of the instant connection function of the fitting connected to polymer semi-rigid tubing at 1Hz from 1 to 6 bar : 63 000 000

Diagnostic coverage
(related to DC avg and safety function)

Sources of failure related to pneumatic components, taken from the DIN EN ISO 13849-2 standard.

Impossible to eliminate failure:

- Change of response time
- No commutation/no return commutation
- Change of leakage over a long period of use
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Complementary Products

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- Polyurethane tubing
- Polyethylene tubing

