

In-Line, Non-Return Valves  
G 1/8 to G 1 or 1/8 to 1 NPT

Permit free flow of air in one direction only

Simple, reliable design

High operating pressure



## Technical data

Medium:  
Compressed air, filtered, lubricated  
and non-lubricated

Operation:  
Non-return valve

Mounting:  
Line mounted

Port sizes:

G 1/8	S/520	1/8 NPT	C/520
G 1/4	S/521	1/4 NPT	C/521
G 3/8	S/532	3/8 NPT	C/532
G 1/2	S/522	1/2 NPT	C/522
G 3/4	S/523	3/4 NPT	C/523
G 1	S/524	1 NPT	C/524

Operating pressure:  
0,3 - 16 bar

Operating temperature:  
-20°C to +80°C

\*Consult our Technical Service for use below +2°C  
For high temperature applications (150°C Max) TS, TC/520  
Series version should be ordered

## Materials:

Brass body, nitrile rubber seals, aluminium valve  
Note: FKM Seals for high temperature version

## Ordering information

To order, quote model number from table  
overleaf, e.g. S/521 for the G 1/4 model

## Alternative Models

T50 Series In-line push-in non-return valves,  
see page 5.10.002  
T55 and 56 Series In-line threaded Aluminium  
non-return, see page 5.10.007



## General information

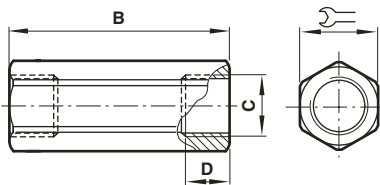
Model	Port size	Flow Factor	Cracking Pressure (bar)	Weight (kg)	Kit BSPP	(Note) NPT
BSPP	NPT	C *	Cv	Kv**		
S/520	1/8	2,4	0,6	0,51	<0,1	0,04
	C/520	2,4	0,6	0,51	<0,1	0,04
S/521	1/4	4,3	1	0,92	<0,1	0,09
	C/521	4,3	1	0,92	<0,1	0,09
S/532	3/8	10,5	2,6	2,24	<0,1	0,14
	C/532	9,2	2,2	1,96	<0,1	0,14
S/522	1/2	17	4,2	3,62	<0,1	0,21
	C/522	13	3,2	2,77	<0,1	0,21
S/523	3/4	42	10,3	8,95	<0,1	0,55
	C/523	38	9,3	8,1	<0,1	0,55
S/524	1	65	16	13,85	<0,1	1,1
	C/524	65	16	13,85	<0,1	1,1

\*1)C\* in dm<sup>3</sup>/ (s.bar)

\*2)Kv\*\* in m<sup>3</sup>/ h

Note: For high temperature applications a T should be added on spares Kit part number (Te. TQS) 520)00

## Non-return Valve



Model	S/520 (BSPP)	S/521 (BSPP)	S/532 (BSPP)	S/522 (BSPP)	S/523 (BSPP)	S/524 (BSPP)
	C/520 (NPT)	C/521 (NPT)	C/532 (NPT)	C/522 (NPT)	C/523 (NPT)	C/524 (NPT)
<b>B</b>	43	48	62	76	92	124
<b>C</b>	1/8	1/4	3/8	1/2	3/4	1
<b>D</b>	10	11	13	17	18	25
	14	19	22	27	36	49

BSPP = According to BS2779 and ISO-228/1

NPT = Products are finished with National Pipe Straight Threads for Couplings, which

are specifically designed to mate with NPT male threads

## Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

**System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.**

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [norgren](#) manufacturer:*

Other Similar products are found below :

[8254200.9151.02400](#) [C01250828](#) [C01251048](#) [C01470628](#) [C01470818](#) [B72G-2GK-AL3-RMN](#) [C00600600](#) [C00600800](#) [C01250628](#)  
[C01250838](#) [C01251038](#) [C01470618](#) [C01470838](#) [18-013-989](#) [18-013-990](#) [100201000](#) [101250828](#) [CS6004010](#) [F72G-2GN-AL3](#) [101470838](#)  
[8240400.9101.23050](#) [V61B413A-A213J](#) [M/58308/01](#) [S/521](#) [RT/57220/M/40](#) [18-015-013](#) [F74G-4GN-AP3](#) [8240400.9101.02400](#)  
[RT/57212/M/50](#) [M/3314](#) [101250628](#) [101470818](#) [RT/57220/M/80](#) [150050038](#) [C02260628](#) [602112128](#) [V62C413A-A213J](#) [R07-200-RNKG](#)  
[V60A513A-A213J](#) [18-025-003](#) [101250818](#) [10K510618](#) [101251028](#) [R72G-2GK-RMN](#) [101470628](#) [C00200400](#) [088030000000000000](#) [M/S2](#)  
[102250628](#) [R07-100-RNKG](#)