- **Port size: 1/4” ... 1” (ISO G/NPT)**
- **Permit free flow of air in one direction only**
- **Simple, reliable design**
- **High operating pressure**
- **Wide temperature range**
- **Shock and vibration resistant to EN 61373, Category 1, class A and B**

EN 61373

+80°C (+176°F)

-40°C (-40°F)

Technical features

Medium:
Compressed air, filtered, lubricated and non-lubricated
Operation:
Heavy duty non-return valves
Operating pressure:
0,2 ... 16 bar (3 ... 232 psi)

Cracking pressure:
< 0,2 bar (3 psi)
Port sizes:
G1/8, G3/8, G1/2, G3/4, G1, 1/8 NPT, 3/8 NPT, 1/2 NPT, 3/4 NPT, 1 NPT
Mounting:
Line mounted

Ambient/Media temperature:
Standard
-40 ... +80°C max.(-40 ... 176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: brass
Valve: aluminium
Seals: low NBR

Technical data, standard models

Symbol	Port size	Flow factor C *1)	Cv	Kv *2)	Weight (kg)	Model
	G1/4	4,3	1	0,92	0,09	LS/521
	1/4 NPT	4,3	1	0,92	0,09	LC/521
	G3/8	10,5	2,6	2,24	0,14	LS/532
	3/8 NPT	9,2	2,2	1,96	0,14	LC/532
	G1/2	17	4,2	3,62	0,21	LS/522
	1/2 NPT	13	3,2	2,77	0,21	LC/522
	G3/4	42	10,3	8,95	0,55	LS/523
	3/4 NPT	38	9,3	8,1	0,55	LC/523
	G1	65	16	13,85	1,10	LS/524
	1 NPT	65	16	13,85	1,10	LC/524

*1) Measured in $dm^3/(s.bar)$

*2) Measured in m^3/h

Options selector

L★/5★★

Thread form	Substitute
NPT*	C
ISO G, parallel	S

* Product with National Pipe Straight Thread to suit male NPT fittings

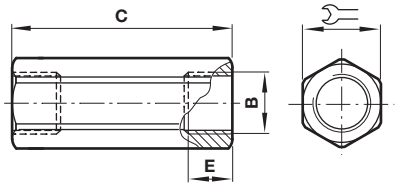
Port size	Substitute
1/4”	21
3/8”	32
1/2”	22
3/4”	23
1”	24

Dimensions

Dimensions in mm
Projection/First angle

B	C	B	E	⌲	Model
1/4”	48	1/4	11	19	L#/521
3/8”	62	3/8	13	22	L#/532
1/2”	76	1/2	17	27	L#/522
3/4”	92	3/4	18	36	L#/523
1”	124	1	25	49	L#/524

Please insert ‘C’ for ISO G and ‘A’ for NPT thread



Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/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 IMI Precision Engineering, Norgren Ltd.

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.