

- > Port size: G1/8 ... G1
- > Permit free flow of air in one direction only
- > Simple, reliable design
- > High operating pressure



Technical features

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operation:

Heavy duty non-return valves

Operating pressure:

0,3 ... 16 bar (4 ... 232 psi)

Cracking pressure:

< 0,1 bar (1 psi)

Port sizes:

G1/8 ... G1, 1/8 ... 1 NPT

Mounting:

Line mounted

Ambient/Media temperature:

Standard

-20 ... +80°C max. (-4 ... 176°F)

For high temperature applications

+150°C (+302°F)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:


Body: brass

Valve: aluminium

Seals: NBR

Note: FPM Seals for high temperature version

Technical data, standard models

Symbol	Port size	Flow factor C *1)	Cv	Kv *2)	Weight (kg)	Service kit	Model
	G1/8	2,4	0,6	0,51	0,04	QS/520/00	S/520
	G1/4	4,3	1	0,92	0,09	QS/521/00	S/521
	G3/8	10,5	2,6	2,24	0,14	QS/532/00	S/532
	G1/2	17	4,2	3,62	0,21	QS/522/00	S/522
	G3/4	42	10,3	8,95	0,55	QS/523/00	S/523
	G1	55,5	13,6	11,8	1,10	QS/524/00	S/524


*1) Measured in dm³/(s.bar); *2) Measured in m³/h

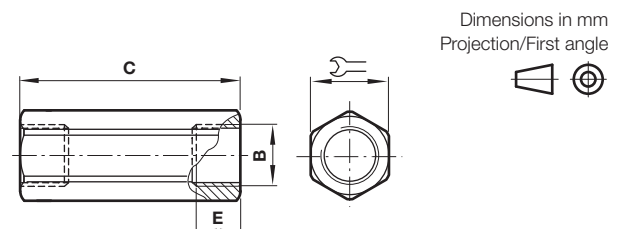
Options selector

Design	Substitute	Port size	Substitute
Standard	None	1/8"	20
High temperature (150 °C)	T	1/4"	21
Thread form	Substitute	3/8"	32
NPT	C	1/2"	22
ISO G, parallel	S	3/4"	23
		1"	24

★★/5★★

Dimensions

B	C	B	E		Model
G1/8	43	1/8	10	14	S/520
G1/4	48	1/4	11	19	S/521
G3/8	62	3/8	13	22	S/532
G1/2	76	1/2	17	27	S/522
G3/4	92	3/4	18	36	S/523
G1	124	1	25	49	S/524



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 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 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.