

Robust, compact & lightweight design
Proven & reliable technology (no spring)
Maintenance free
Corrosion resistant design



Technical features

Medium:

Compressed air, 40 µm filtered, non-lubricated

Pre-lubrication of the static sealing:

USDA H1 compliant (registered NSF class H1)

Operation:

Check Valve (no spring)

Maintenance free life time:

Typically exceeds 25 Million cycles

Operating pressure:

3 ... 40 bar

Port size:

G 1/4 ... G 1 1/4

Mounting:

Line mounted

Fluid/Ambient temperature:

+10 ... +50°C max. (Ambient)

0 ... +50°C max. (Fluid)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

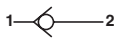
Materials

Housing and covers: Aluminium anodised

Valve piston: FDA compliant synthetic material

O-ring: NBR

Technical data, standard models

Symbol	Port size	Nominal Ø (mm)	Kv (m³/h)	Weight (kg)	Model
	G1/4	8	1,2	0,04	VSP152226
	G3/8	10	1,9	0,07	VSP152227
	G1/2	13	3,2	0,17	VSP152035
	G3/4	19	6,7	0,29	VSP152036
	G1	25	10,0	0,64	VSP152037
	G1 1/4	31	18,0	0,78	VSP152038

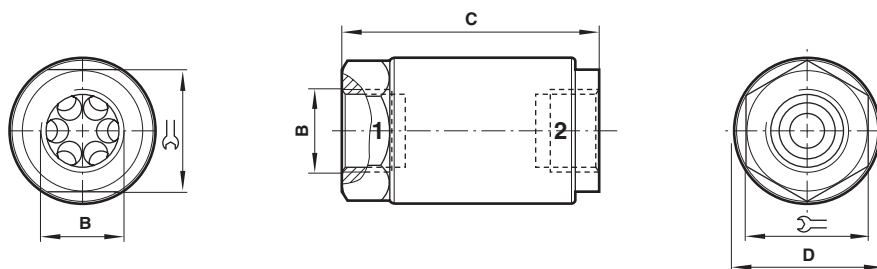
Options selector

VSP152★★★

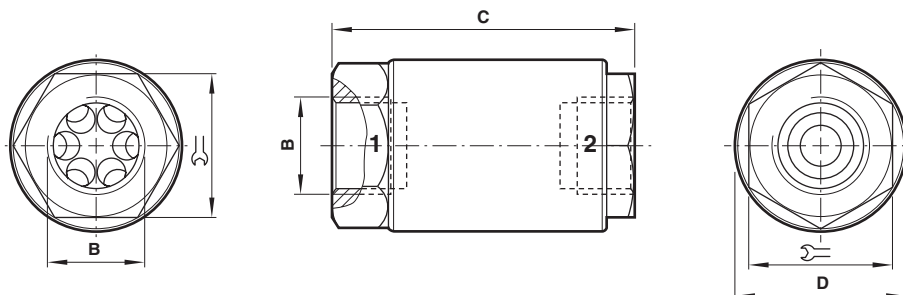
Port size	Substitute
G1/4	226
G3/8	227
G1/2	035
G3/4	036
G1	037
G1 1/4	038


Dimensions

G1/4 & G3/8



G1/2 ... G1 1/4



Port size B	C	Ø D		Model
G1/4	50	24	21	VSP152226
G3/8	60	29	26	VSP152227
G1/2	77	39	34	VSP152035
G3/4	87	49	41	VSP152036
G1	110	64	55	VSP152037
G1 1/4	135	69	60	VSP152038

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**«.

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 pneumatic 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.