

N08

Non return (check) valve

G 1/4 ... G 1

Single piece design

Robust design

Simple maintenance

Variety of options for multiple applications



Technical features

Medium:

Liquids and gases

Maximum inlet pressure:

413 bar

Lift pressure:

1 bar standard

0,2, 0,5, 2 or 3 bar optional

Typical flow:

See table below

Port size:

G1/4, G 3/8, G 1/2 G3/4 or G 1

(standard)

3/8 NPT, 1/2 NPT or 3/4 NPT

(on request)

Leakage:

Bubble tight (standard,

typically 10^{-6} atm.cm³/sec⁻¹)

Helium leak tested to 10^{-8}

atm.cm³/sec⁻¹ (on request)

Fluid/Ambient temperature:

-35 ... +100°C standard

-25 ... +120°C on request

Air supply must be dry enough

to avoid ice formation at

temperatures below +2°C.

Materials:

Body: stainless steel bs en 10088


1.4401

Spring: phosphated & oiled

Pad: nitrile

All other parts: steel zinc plated

Technical data

Symbol	Port size	Normal size	Kv (dm ³ /s)	Cv	Weight (kg)	Model
	G 1/4	3,5 mm	0,28	0,32	0,07	N08A9E1N
	G 3/8	7,5 mm	1,35	1,60	0,15	N08A9E2N
	G 1/2	9,5 mm	2,10	2,40	0,25	N08A9E3N
	G 3/4	11,5 mm	3,04	3,54	0,43	N08A9E5N
	G 1	15,3 mm	5,33	6,20	0,52	N08A9E6N

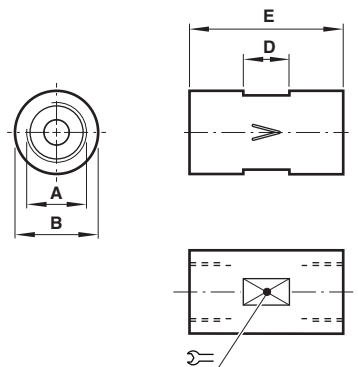
Option selector


N08A9E★★★★

Port size	Substitute
G 1/4	1
G 3/8	2
G 1/2	3
G 3/4	5
G 1	6

Lift option	Substitute
Standard	None
0,2 bar	01
0,5 bar	02
2 bar	03
3 bar	04
Elastomer	Substitute
NBR (standard)	N
FKM	V
EDPM	E

Dimensions



A	ø B	D	E	
G 1/4	20	10	38	17
G 3/8	26	13	51	24
G 1/2	31	15	58	27
G 3/4	38	21	70	36
G 1	50	25	92	46

Warning

These products are intended for use in industrial fluid 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 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.