

Economy Line



Miniature Check Valves



**This catalog has been superseded
by the online catalog at
WWW.okeefecontrols.com
and is available for historical
reference only**

**All Metal Construction
or
Resilient Seating**

Tube Style for Compression Fittings

O'Keefe Controls Co.

Economy Line -Check Valve

Compression Connection

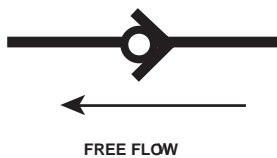
Description

This miniature check valve line employs a free floating stainless steel or elastomeric ball, which allows free flow in one direction; reverse flow is prevented. The valves are suitable for air, water, inert gases, light oil and liquids compatible with the materials of construction. The valves are fast acting and are suitable for long life applications.

Features

- All metal construction option
- Long life operation
- Low cost

Symbol-Check Valve



Material Combinations

SS Ball-- All types

Buna N or Viton Ball
-- size dependent (see chart)

General Specifications

Materials of Construction

Body – 316 SS

Ball Stop – 316 SS

Ball –Material options:

Size	440C-SS (SS)	Viton (V)	Buna-N (BN)
1/8	✓		✓
1/4	✓	✓	
3/8	✓	✓	✓

Maximum Temperature

Buna-N Ball – 150°F

Viton Ball- 250°F

440C SS Ball – 300°F

Seat Leakage

SS Ball

20 sccm (max) air flow at 25 psig

Elastomeric Ball

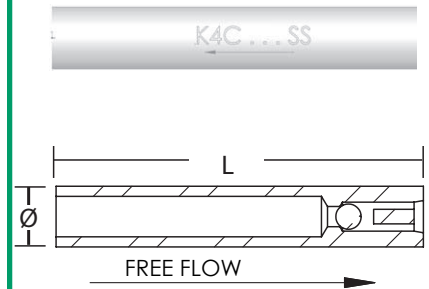
0 sccm @ 50 psig (air flow)

<1 sccm @ 25 psig (air flow)

Flow Capacity (air flow)

Type	Size	C _v	(SLPM) @50 PSIG
K2C	1/8	.02	20
K4C	1/4	.08	80
K6C	3/8	.16	160

Type KC



Dimensions

Type	length (L)	Outside tube diameter (Ø)
K2C	1.25"	1/8"
K4C	1.75"	1/4"
K6C	2.27"	3/8"

Orientation

- Free flow exits down or horizontal installation

Preferred orientation

- Free flow exits up installation MOPD*:

25 psid --SS ball

10 psid ----Elastomeric ball

*Minimum Operating Pressure Differential

Maximum Operating Pressure

125 psig

Part Number

The part number consists of:

Type	Orifice Size No.	Cracking Pressure	Body Material	Ball Material ¹	Part No.
ZC (All)	(Fixed)	0 (All)	SS (All)	SS (Select)	(Listed Below)
Example Part Numbers					
K2C	31	0	SS	SS	K2C-31-0-SS-SS
K4C	62	0	SS	V	K4C-62-0-SS-V
K6C	109	0	SS	BN	K6C-109-0-SS-BN

¹ SS-Stainless Steel, BN-Buna - N, V-Viton