

# Economy Line



## Miniature Check Valves

This catalog has been superseded  
by the online catalog at  
**[www.okeefecontrols.com](http://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and is available for historical  
reference only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

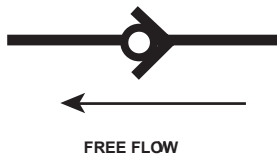
## Description

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)

## Compression Connection

## 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

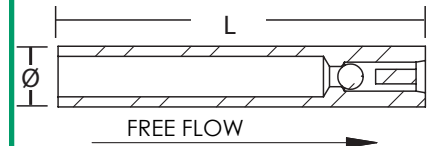
0 sccm @ 50 psig (air flow)

<1 sccm @ 25 psig (air flow)

### Flow Capacity (air flow)

Type	Size	C <sub>v</sub>	(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 <sup>1</sup>	Part No.
ZC (All)	(Fixed)	0 (All)	SS (All)	(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

<sup>1</sup> SS-Stainless Steel, BN-Buna - N, V-Viton