

Check Valve with One-Touch Fitting

Series **AKH/AKB**

Features

- ➔ 3 configurations provide design solutions based on the operating conditions.
- ➔ Straight type, Male Connector type and Bushing type.
- ➔ Can be used for vacuum (-100kPa).



Specifications

Fluid	Air
Proof pressure	1.5 MPa
Operating pressure range	-100 kPa to 1 MPa
Cracking pressure	0.005 MPa
Ambient temperature and operating fluid temperature	-5 to 60°C (No freezing)
Applicable tubing material ^{Note)}	Nylon, Soft nylon, Polyurethane

Note) Use caution regarding the max. operating pressure when soft nylon or polyurethane tubing is used.

■ Applicable tubing O.D.: Metric Size

JIS Symbol



How to Order

Straight type **AKH 04- 00**

Male connector type **AKH 04 A - 01 S**

Applicable tubing O.D.

Metric size

04	ø4
06	ø6
08	ø8
10	ø10
12	ø12

Thread type

Nil R

With seal (Standard)
* M5 not required.

Port size

M5	M5
01	1/8
02	1/4
03	3/8
04	1/2

Check valve free flow direction

A	From male thread to One-touch fitting	
B	From One-touch fitting to male thread	

Applicable Tubing O.D./Port Size Combinations

Metric size

Model	Applicable tubing O.D.	R thread					
		M5	1/8	1/4	3/8	1/2	
AKH04□	ø4	●	●				
AKH06□	ø6	●	●	●			
AKH08□	ø8		●	●	●		
AKH10□	ø10				●	●	
AKH12□	ø12					●	

How to Order

Bushing type

AKB 01 A — 01 S

Body size

01	1/8
02	1/4
03	3/8
04	1/2

Thread type

Nil	R
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Port size

01	1/8
02	1/4
03	3/8
04	1/2

• With seal (Standard)

Check valve free flow direction

A	From male to female thread	
B	From female to male thread	

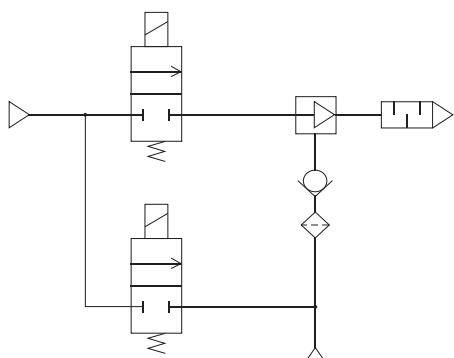
Female/Male Threads Combinations

R thread

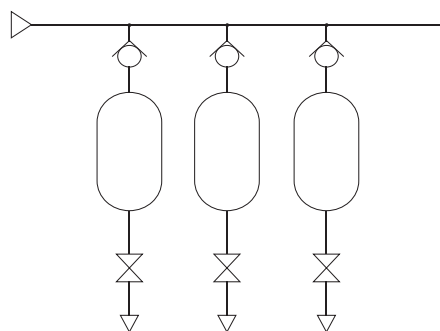
Model	Female thread Rc	Male thread R	1/8	1/4	3/8	1/2
AKB01□	1/8	●				
AKB02□	1/4		●			
AKB03□	3/8			●		
AKB04□	1/2					●

Application Example for Check Valve with One-touch Fitting

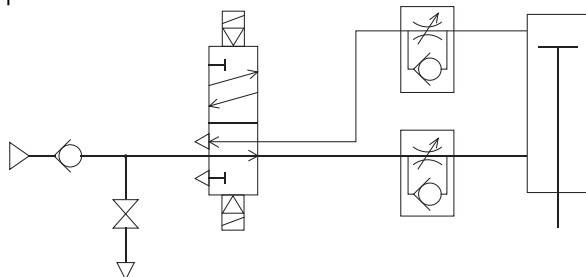
Prevention of reverse flow to vacuum source *
(Simple vacuum holding)



Tank pressure reverse flow prevention



Drop prevention *



* A certain amount of leakage is allowed in the specifications of this product.
Please note that it is not suitable for holding over an extended period of time.