

Bushing Type Check Valve with One-touch Fittings

AKH/AKB Series

How to Order



Straight type

AKH 04 - 00

Male connector type

AKH 04 A - 01 S

Applicable tubing O.D.

Metric size		Inch size	
04	ø4	03	ø5/32
06	ø6	07	ø1/4
08	ø8	09	ø5/16
10	ø10	11	ø3/8
12	ø12	13	ø1/2

With seal (Standard)

* M5 and 10-32 UNF types are not required.

Port size

M5	M5 x 0.8
U10/32	10-32 UNF
01	1/8
02	1/4
03	3/8
04	1/2

Thread type

Nil	Metric thread (M5)
	Unified thread (10-32 UNF)
	R
N	NPT

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				●	●

Inch size

Model	Applicable tubing O.D.	NPT thread				
		10-32 UNF	1/8	1/4	3/8	1/2
AKH03	ø5/32	●	●			
AKH07	ø1/4	●	●	●		
AKH09	ø5/16		●	●	●	
AKH11	ø3/8			●	●	●
AKH13	ø1/2				●	●

Bushing type

AKB 01 A - 01 S

Body size

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

With seal (Standard)

Port size

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

Thread type

Nil	R
N	NPT

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				●	

NPT thread

Model	Female thread NPT	Male thread NPT				
		1/8	1/4	3/8	1/2	
AKB01	1/8	●				
AKB02	1/4		●			
AKB03	3/8			●		
AKB04	1/2				●	

SMC validation products have been validated based on ISO 13849-2: 2012 Annex A & B.