

# Check Valve with One-touch Fitting Series *AKH/AKB*

## How to Order

**Straight type** **AKH** **04** — **00**

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

**Applicable tubing O.D.**

Metric size	Inch size
<b>04</b> $\phi 4$	<b>03</b> $\phi 5/32$
<b>06</b> $\phi 6$	<b>07</b> $\phi 1/4$
<b>08</b> $\phi 8$	<b>09</b> $\phi 5/16$
<b>10</b> $\phi 10$	<b>11</b> $\phi 3/8$
<b>12</b> $\phi 12$	<b>13</b> $\phi 1/2$

• **With seal (Standard)**  
\* M5 and 10-32 UNF types are not required.

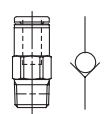
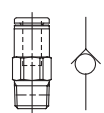
• **Thread type**

<b>Nil</b>	Metric thread (M5)
	Unified thread (10-32 UNF)
	R
<b>N</b>	NPT

• **Port size**

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

• **Check valve free flow direction**

<b>A</b>	From male thread to One-touch fitting	
<b>B</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
<b>AKH04</b> □	$\phi 4$	●	●			
<b>AKH06</b> □	$\phi 6$	●	●	●		
<b>AKH08</b> □	$\phi 8$		●	●	●	
<b>AKH10</b> □	$\phi 10$			●	●	●
<b>AKH12</b> □	$\phi 12$				●	●

**Inch size**

Model	Applicable tubing O.D.	NPT thread				
		10-32 UNF	1/8	1/4	3/8	1/2
<b>AKH03</b> □	$\phi 5/32$	●	●			
<b>AKH07</b> □	$\phi 1/4$	●	●	●		
<b>AKH09</b> □	$\phi 5/16$		●	●	●	
<b>AKH11</b> □	$\phi 3/8$			●	●	●
<b>AKH13</b> □	$\phi 1/2$				●	●

**Bushing type** **AKB** **01** **A** — **01** **S**

• **Body size**

<b>01</b>	1/8
<b>02</b>	1/4
<b>03</b>	3/8
<b>04</b>	1/2

• **With seal (Standard)**

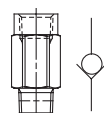
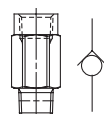
• **Port size**

<b>01</b>	1/8
<b>02</b>	1/4
<b>03</b>	3/8
<b>04</b>	1/2

• **Thread type**

<b>Nil</b>	R
<b>N</b>	NPT

• **Check valve free flow direction**

<b>A</b>	From male to female thread	
<b>B</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	
<b>AKB01</b> □	1/8	●				
<b>AKB02</b> □	1/4		●			
<b>AKB03</b> □	3/8			●		
<b>AKB04</b> □	1/2				●	

**NPT thread**

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