

# Series Variations

		Model	Port size in the cylinder side	Applicable tubing O.D.										Page							
				Metric size (mm)					Inch size (inch)												
				2	3.2	4	6	8	10	12	16	1/8	3/32		1/16	1/8	3/16	1/2			
Push-lock type Elbow type Sealant/Gasket seal		AS12□1F	M5,10-32UNF																		549
		AS22□1F	1/8,1/4																		
		AS32□1F	1/4,3/8																		
		AS42□1F	1/2																		
Push-lock type Universal type Sealant/Gasket seal		AS13□1F	M5,10-32UNF																		549
		AS23□1F	1/8,1/4																		
		AS33□1F	1/4,3/8																		
		AS43□1F	1/2																		
Elbow type Sealant/ Gasket seal		AS12□1F	M3, M5,10-32UNF																		576
		AS22□1F	1/8,1/4																		
		AS32□1F	1/4,3/8																		
		AS42□1F	1/2																		
Universal type Sealant/ Gasket seal		AS13□1F	M3, M5,10-32UNF																		576
		AS23□1F	1/8,1/4																		
		AS33□1F	1/4,3/8																		
		AS43□1F	1/2																		
Push-lock type With Indicator/Elbow type Sealant/Gasket seal		AS12□1FS	M5,10-32UNF																		583
		AS22□1FS	1/8,1/4																		
		AS32□1FS	1/4,3/8																		
		AS42□1FS	1/2																		
Push-lock type Universal type Sealant/Gasket seal		AS13□1FS	M5,10-32UNF																		583
		AS23□1FS	1/8,1/4																		
		AS33□1FS	1/4,3/8																		
		AS43□1FS	1/2																		
Push-lock type Elbow type Face seal		AS22□1F	1/8,1/4																		564
		AS32□1F	1/4,3/8																		
		AS42□1F	1/2																		
Push-lock type Universal type Face seal		AS23□1F	1/8,1/4																		564
		AS33□1F	1/4,3/8																		
		AS43□1F	1/2																		
Push-lock type With Indicator/Elbow type Face seal		AS22□1FS	1/8,1/4																		583
		AS32□1FS	1/4,3/8																		
		AS42□1FS	1/2																		
Push-lock type With Indicator/Universal type Face seal		AS22□1FS	1/8,1/4																		583
		AS32□1FS	1/4,3/8																		
		AS42□1FS	1/2																		
Flame Resistant (Equivalent to UL-94 Standard V-0) Elbow type		AS12□1F	M5																		603
		AS22□1F	1/8,1/4																		
		AS32□1F	1/4,3/8																		
		AS42□1F	1/2																		
All Metal Exterior Elbow type		AS22□-X737	1/8																		607
		AS22□-X737	1/4																		
		AS32□-X737	3/8																		
Plug-in type		AS10□0P	∅4																		609
		AS20□0P	∅4, ∅6																		
		AS25□0P	∅6																		
		AS30□0P	∅8, ∅10																		
Elbow type (Metal body)		AS12□1	M5																		611
		AS22□1	1/8,1/4																		
		AS32□1	3/8																		
		AS42□1	1/2																		

Speed Controller with One-touch Fittings, Standard Type

In-line type



Model
AS1002F
AS2002F
AS2052F
AS3002F
AS4002F

In-line type  
Panel mount type



AS1001F
AS2001F
AS2051F
AS3001F
AS4001F

Push-lock type  
Elbow type with Uni  
One-touch fitting



AS22□1F
AS32□1F
AS42□1F

Push-lock type  
Universal type with Uni  
One-touch fitting



AS23□1F
AS33□1F
AS43□1F

Elbow type with Uni  
One-touch fitting



AS22□1F
AS32□1F
AS42□1F

Universal type with Uni  
One-touch fitting



AS23□1F
AS33□1F
AS43□1F

Push-lock type  
With Indicator  
Elbow type with Uni One-touch fitting



AS22□1F
AS32□1F
AS42□1F

Dual speed  
controller



ASD230F
ASD330F
ASD430F
ASD530F
ASD630F

Port size in the cylinder side	Applicable tubing O.D.														
	Metric size (mm)							Inch size (inch)							
	2	3.2	4	6	8	10	12	16	1/8"	3/32"	1/16"	1/4"	3/16"	1/8"	1/2"
AS1002F	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AS2002F				•	•	•	•	•	•	•	•	•	•	•	•
AS2052F					•	•	•	•	•	•	•	•	•	•	•
AS3002F						•	•	•	•	•	•	•	•	•	•
AS4002F							•	•	•	•	•	•	•	•	•
AS1001F				•	•	•	•	•	•	•	•	•	•	•	•
AS2001F					•	•	•	•	•	•	•	•	•	•	•
AS2051F						•	•	•	•	•	•	•	•	•	•
AS3001F							•	•	•	•	•	•	•	•	•
AS4001F								•	•	•	•	•	•	•	•
AS22□1F								•	•	•	•	•	•	•	•
AS32□1F									•	•	•	•	•	•	•
AS42□1F										•	•	•	•	•	•
AS23□1F											•	•	•	•	•
AS33□1F												•	•	•	•
AS43□1F													•	•	•
AS22□1F														•	•
AS32□1F															•
AS42□1F															
AS23□1F															
AS33□1F															
AS43□1F															
AS22□1F															
AS32□1F															
AS42□1F															
ASD230F															
ASD330F															
ASD430F															
ASD530F															
ASD630F															

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625

630

630

636

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AS-F

TMH

ASD

AS

AS-FE

KE

AS-FG

AS-FP

AS-FM

AS-D

AS-T

ASP

ASN

AQ

ASV

AK

VCHC

ASR

ASQ

# Series Variations

Speed Controller Standard Type	Model	Port size in the cylinder side	Port size on piping side												Page		
			M3	M5	10-32 UNF	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2			
Elbow type (Metal body)	AS12□0	M3, M5, 10-32UNF	●	●	●												646
	AS1400	M3	●														
	AS22□0	1/8, 1/4				●	●										
	AS32□0	3/8						●									
In-line type	AS1000	M3-M5	●	●													650
	AS2000	1/8, 1/4				●	●										
	AS3000	1/4, 3/8					●	●									
	AS4000	1/4, 3/8, 1/2					●	●	●								
	AS5000	1/4, 3/8, 1/2					●	●	●	●							
Large flow In-line type	AS420	1/4, 3/8, 1/2					●	●	●								654
	AS500	3/4								●							
	AS600	1									●						
	AS800	1 1/4										●					
	AS900	1 1/2, 2											●	●			
In-line push locking type	AS3500	1/4, 3/8					●	●									656

Speed Controller with Residual Pressure Release Valve	Model	Port size in the cylinder side (R)	Applicable tubing O.D.												Page				
			Metric size (mm)						Inch size (inch)										
			3.2	4	6	8	10	12	1/8"	3/32"	1/16"	1/4"	3/16"	1/2"	5/16"	3/8"	1/2"		
With One-touch fitting/Elbow	AS22□1FE	1/8, 1/4	●	●	●	●	●	●											658
	AS32□1FE	3/8							●	●									
	AS42□1FE	1/2									●								
With One-touch fitting/Universal	AS23□1FE	1/8, 1/4	●	●	●	●	●	●											658
	AS33□1FE	3/8							●	●									
	AS43□1FE	1/2									●								
Metal body In-line type	AS2000E	1/8, 1/4			●	●													662
	AS3000E	1/4, 3/8							●	●									
	AS4000E	1/4, 3/8, 1/2									●	●							

Speed Controller Stainless Steel Series

	Image	Model	Port size in the cylinder side	Applicable tubing O.D.												Page		
				Metric size (mm)						Inch size (inch)								
				2	3.2	4	6	8	10	12	16	1/8"	3/32"	1/16"	1/4"		3/16"	1/2"
Push-lock type Elbow type Sealant/Gasket seal		AS12□1FG	M5,10-32UNF															667
		AS22□1FG	1/8" 1/4"															
		AS32□1FG	1/4" 3/8"															
		AS42□1FG	1/2"															
Push-lock type Universal type Sealant/Gasket seal		AS13□1FG	M5,10-32UNF															667
		AS23□1FG	1/8" 1/4"															
		AS33□1FG	1/4" 3/8"															
		AS43□1FG	1/2"															
Elbow type		AS12□1FG	M5,10-32UNF															680
		AS22□1FG	1/8" 1/4"															
		AS32□1FG	1/4" 3/8"															
		AS42□1FG	1/2"															
Universal type		AS13□1FG	M5,10-32UNF															680
		AS23□1FG	1/8" 1/4"															
		AS33□1FG	1/4" 3/8"															
		AS43□1FG	1/2"															
Push-lock type With Indicator/Elbow type Sealant/Gasket seal		AS12□1FSG	M5,10-32UNF															687
		AS22□1FSG	1/8" 1/4"															
		AS32□1FSG	1/4" 3/8"															
		AS42□1FSG	1/2"															
Push-lock type With Indicator/Universal type Sealant/Gasket seal		AS13□1FSG	M5,10-32UNF															687
		AS23□1FSG	1/8" 1/4"															
		AS33□1FSG	1/4" 3/8"															
		AS43□1FSG	1/2"															
Push-lock type Elbow type Face seal		AS22□1FG	1/8" 1/4"															667
		AS32□1FG	1/4" 3/8"															
		AS42□1FG	1/2"															
		AS23□1FG	1/8" 1/4"															
Push-lock type Universal type Face seal		AS23□1FG	1/8" 1/4"															667
		AS33□1FG	1/4" 3/8"															
		AS43□1FG	1/2"															
		AS22□1FSG	1/8" 1/4"															
Push-lock type With Indicator/Elbow type Face seal		AS32□1FSG	1/4" 3/8"															687
		AS42□1FSG	1/2"															
		AS23□1FSG	1/8" 1/4"															
		AS33□1FSG	1/4" 3/8"															
Push-lock type With Indicator/Universal type Face seal		AS43□1FSG	1/2"															687
		AS23□1FSG	1/8" 1/4"															
		AS33□1FSG	1/4" 3/8"															
		AS43□1FSG	1/2"															
In-line type		AS1001FG																699
		AS2001FG																
		AS2051FG																
		AS3001FG																
		AS4001FG																
Dual speed Controller		ASD230FG	M5,10-32UNF															702
		ASD330FG	1/8"															
		ASD430FG	1/4"															
		ASD530FG	1/4" 3/8"															
		ASD630FG	1/2"															
Clean speed Controller with One-touch fitting		Model	Port size in the cylinder side															709
		AS12□1FP□	M5															
		AS22□1FP□	1/8" 1/4"															
		AS32□1FP□	3/8"															

For details about the clean series, refer to the **Web Catalog** or the **Pneumatic Clean Series (CAT.E02-23)** .



# Series Variations

**Speed Controller for Low Speed Operation**

	Elbow type	Model	Port size in the cylinder side	Applicable tubing O.D.												Page	
				Metric size (mm)						Inch size (inch)							
				3.2	4	6	8	10	12	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"		1/2"
	Universal type	AS12□1FM	M5, 10-32UNF														
		AS22□1FM	1/8, 1/4														
	In-line type	AS13□1FM	M5, 10-32UNF														
		AS23□1FM	1/8, 1/4														
		AS1001FM															
	Dual speed controller	AS2001FM															
		AS2051FM															
		ASD230FM	M5, 10-32UNF														
	Standard type (Metal body)	ASD330FM	1/8														
		ASD430FM	1/4														
		AS12□0M-5	M5, 10-32UNF														
	Standard type (Metal body)	AS22□0M-01	1/8														
		AS22□0M-02	1/4														

**Speed Controller Adjustable by Flat Head Screwdriver**

	Elbow type	Model	Port size in the cylinder side	Applicable tubing O.D.												Page	
				Metric size (mm)						Inch size (inch)							
				3.2	4	6	8	10	12	1/8"	5/32"	3/16"	1/4"	5/16"	3/8"		1/2"
	Universal type	AS12□1F-D	M5, 10-32UNF														
		AS22□1F-D	1/8, 1/4														
		AS32□1F-D	1/4, 3/8														
		AS42□1F-D	1/2														
	In-line type	AS13□1F-D	M5														
		AS23□1F-D	1/8, 1/4														
		AS33□1F-D	1/4, 3/8														
		AS43□1F-D	1/2														
	Dual speed controller	AS1001F-D															
		AS2001F-D															
		AS2051F-D															
		AS3001F-D															
		AS4001F-D															
		ASD230F-D	M5, 10-32UNF														
	Standard type (Metal body)	ASD330F-D	1/8														
		ASD430F-D	1/4														
		ASD530F-D	1/4, 3/8														
		ASD630F-D	1/2														
		AS12□0-D	M5, 10-32UNF														
	Standard type (Metal body)	AS22□0-D	1/8, 1/4														
		AS32□0-D	1/4, 3/8														
		AS42□0-D	1/2														

	Model	Port size in the cylinder side	Applicable tubing O.D.							Page											
			Metric size (mm)			Inch size (inch)															
			3.2	4	6	8	10	12	1/8"		3/32"	1/16"	1/4"	3/16"	5/8"	1/2"					
<b>Tamper Proof Speed Controller</b>	<b>Elbow type</b>	AS12□1F-T	M5, 10-32UNF																752		
		AS22□1F-T		1/8" 1/4"																	
		AS32□1F-T		1/4" 3/8"																	
		AS42□1F-T		1/2"																	
	<b>Universal type</b>	AS13□1F-T	M5, 10-32UNF																	758	
		AS23□1F-T		1/8" 1/4"																	
		AS33□1F-T		1/4" 3/8"																	
		AS43□1F-T		1/2"																	
	<b>In-line type</b>	AS1001F-T	M5, 10-32UNF																	758	
		AS2001F-T																			
		AS2051F-T																			
		AS3001F-T																			
	<b>Dual speed controller</b>	ASD230F-T	M5, 10-32UNF																	761	
		ASD330F-T		1/8"																	
		ASD430F-T		1/4"																	
ASD530F-T		1/4" 3/8"																			
<b>Standard type (Metal body)</b>	ASD630F-T	1/2"																	761		
	AS12□0-T	M5, 10-32UNF																		766	
	AS22□0-T		1/8" 1/4"																		
	AS32□0-T		1/4" 3/8"																		
AS42□0-T	1/2"																				
<b>Speed Controller with Pilot Check Valve</b>	ASP330F-01	1/8"																	769		
	ASP430F-02	1/4"																			
	ASP530F-03	3/8"																			
	ASP630F-04	1/2"																			

## Related Products

### Holder for Speed Controller/TMH

Model	Applicable tubing for speed controller	Model	Applicable tubing for speed controller	Page
TMH-23J	ø3.2	TMH-01J	ø1/8"	620
TMH-04J	ø4	TMH-03J	ø5/32"	
TMH-06J	ø6	TMH-05	ø3/16"	
TMH-06	ø6	TMH-07J	ø1/4"	
TMH-08	ø8	TMH-09	ø5/16"	
TMH-10	ø10	TMH-11	ø3/8"	
TMH-12	ø12	TMH-13	ø1/2"	

# Series Variations

## Related Products

### Residual Pressure Release Valve with One-touch Fittings /KE□ Series

With One-touch fittings without a push button guard KEA Series	Model	Port size	Page
	KEA06	ø6	665
	KEA08	ø8	
	KEA10	ø10	
	KEA12	ø12	

Rc thread with a push button guard KEC Series	Model	Port size	Page
	KEC-02	1/4	665
	KEC-03	3/8	

With One-touch fittings with a push button guard KEB Series	Model	Port size	Page
	KEB06	ø6	665
	KEB08	ø8	
	KEB10	ø10	
	KEB12	ø12	

Metering Valve with Silencer ASN2 Series	Model	Port size	Page
	ASN2-	M5, 10-32UNF	774
	ASN2-01	1/8	
	ASN2-02	1/4	
	ASN2-03	3/8	
	ASN2-04	1/2	

Quick Exhaust Valve AQ Series	Model	Port size	Page
Lip	AQ1500	M5	776
	AQ1510	1/8	
Diaphragm	AQ2000	1/8, 1/4	776
	AQ3000	1/4, 3/8	
	AQ5000	1/2, 3/4	

Quick Exhaust Valve with One-touch Fittings AQ□F Series	Model	Applicable tubing	Page
	AQ240F-04	ø4	778
	AQ240F-06	ø6	
	AQ340F-06	ø6	
	AQ240F-07	ø1/4"	
	AQ340F-07	ø1/4"	

Speed Exhaust Controller ASV Series	Model	Port size	Page
Elbow	ASV120F	M3, M5	780
	ASV220F	M5, 10-32UNF	
Tee	ASV310F	1/8, 1/4	780
	ASV410F	1/8, 1/4, 3/8	
	ASV510F	1/4, 3/8, 1/2	

Check Valve AK Series	Model	Port size	Page
	AK2000	1/8, 1/4	784
	AK4000	1/4, 3/8, 1/2	
	AK6000	3/4, 1	

### Bushing Type Check Valve with One-touch Fittings AKH Series

Straight type	Model	Applicable tubing O.D. (Metric)	Page
	AKH04-00	ø4	787
	AKH06-00	ø6	
	AKH08-00	ø8	
	AKH10-00	ø10	
	AKH12-00	ø12	

	Model	Applicable tubing O.D. (inch)	Page
	AKH03-00	ø 3/32"	787
	AKH07-00	ø 1/4"	
	AKH09-00	ø 3/16"	
	AKH11-00	ø 3/8"	
	AKH13-00	ø 1/2"	

AKB Series	Model	Port size	Page
Bushing type	AKB01	1/8	787
	AKB02	1/4	
	AKB03	3/8	
	AKB04	1/2	

Male connector type	Model	Applicable tubing O.D. (Metric)	Port size on piping side (R)	Page
	AKH04	ø4	M5 1/4 3/8 1/2	787
	AKH06	ø6		
	AKH08	ø8		
	AKH10	ø10		
	AKH12	ø12		

	Model	Applicable tubing O.D. (inch)	Port size on piping side (NPT)	Page
	AKH03	ø 5/32"	10-32 UNF 1/4 3/8 1/2	787
	AKH07	ø 1/4"		
	AKH09	ø 3/16"		
	AKH11	ø 3/8"		
	AKH13	ø 1/2"		

5.0 MPa Check Valve VCHC40 Series	Model	Port size (G)	Page
	VCHC40	3/4, 1	795

Air Saving Valve ASR/ASQ Series	Model	Port size	Page
Pressure valve	ASR430F	1/4	801
	ASR530F	1/4, 3/8	
	ASR630F	3/8, 1/2	
Flow valve	ASQ430F	1/4	801
	ASQ530F	1/4, 3/8	
	ASQ630F	3/8, 1/2	