

Series Variations

Speed Controller with One-touch Fittings, Standard Type	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□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 With Indicator/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													●	●	●	●	
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													●	●	●	●	●
	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													●	●	●	●	●
AS32□1FS		1/4, 3/8													●	●	●	●	●	
AS42□1FS		1/2													●	●	●	●	●	
Flame Resistant (Equivalent to UL-94 Standard V-0) Elbow type		AS12□1F	M5																	
	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	ø4																	
AS20□0P		ø4, ø6																		
AS25□0P		ø6																		
AS30□0P		ø8, ø10																		
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



Model
AS1001F
AS2001F
AS2051F
AS3001F
AS4001F

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



Model	Port size in the cylinder side
AS22□1F	1/8, 1/4
AS32□1F	1/4, 3/8
AS42□1F	1/2

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



Model	Port size in the cylinder side
AS23□1F	1/8, 1/4
AS33□1F	1/4, 3/8
AS43□1F	1/2

Elbow type with Uni
One-touch fitting



Model	Port size in the cylinder side
AS22□1F	1/8, 1/4
AS32□1F	1/4, 3/8
AS42□1F	1/2

Universal type with Uni
One-touch fitting



Model	Port size in the cylinder side
AS23□1F	1/8, 1/4
AS33□1F	1/4, 3/8
AS43□1F	1/2

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



Model	Port size in the cylinder side
AS22□1F	1/8, 1/4
AS32□1F	1/4, 3/8
AS42□1F	1/2

Dual speed
controller



Model	Port size in the cylinder side
ASD230F	M5, 10-32UNF
ASD330F	1/8
ASD430F	1/4
ASD530F	1/4, 3/8
ASD630F	1/2

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	1/8	3/8	1/2
AS1002F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	615
AS2002F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	615
AS2052F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	615
AS3002F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	615
AS4002F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	615
AS1001F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	621
AS2001F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	621
AS2051F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	621
AS3001F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	621
AS4001F		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	621
AS22□1F	1/8, 1/4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	625
AS32□1F	1/4, 3/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	625
AS42□1F	1/2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	625
AS23□1F	1/8, 1/4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	625
AS33□1F	1/4, 3/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	625
AS43□1F	1/2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	625
AS22□1F	1/8, 1/4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	630
AS32□1F	1/4, 3/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	630
AS42□1F	1/2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	630
AS23□1F	1/8, 1/4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	630
AS33□1F	1/4, 3/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	630
AS43□1F	1/2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	630
AS22□1F	1/8, 1/4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	636
AS32□1F	1/4, 3/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	636
AS42□1F	1/2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	636
ASD230F	M5, 10-32UNF	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	640
ASD330F	1/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	640
ASD430F	1/4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	640
ASD530F	1/4, 3/8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	640
ASD630F	1/2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	640

- 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	•	•	•										696
	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"	
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	•	•	•	•	•	•							
	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				•	•	•							

Series Variations

Speed Controller for Low Speed Operation					Applicable tubing O.D.										Page			
	Elbow type	Model	Port size in the cylinder side	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	1/8, 1/4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	716
	AS22□1FM			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
In-line type	AS13□1FM	M5, 10-32UNF	1/8, 1/4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS23□1FM			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS1001FM			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Dual speed controller	AS2001FM			●	●	●	●	●	●	●	●	●	●	●	●	●	●	724
	AS2051FM			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	ASD230FM	M5, 10-32UNF	1/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Standard type (Metal body)	ASD330FM		1/4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	727
	ASD430FM			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS12□0M-5	M5, 10-32UNF	M3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
AS22□0M-01		1/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	721
	AS22□0M-02		1/4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Speed Controller Adjustable by Flat Head Screwdriver					Applicable tubing O.D.										Page			
	Elbow type	Model	Port size in the cylinder side	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	1/8, 1/4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	734
	AS22□1F-D		1/4, 3/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS32□1F-D		1/2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS42□1F-D			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
In-line type	AS13□1F-D	M5	1/8, 1/4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS23□1F-D		1/4, 3/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS33□1F-D		1/2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS43□1F-D			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Dual speed controller	AS1001F-D			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS2001F-D			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS2051F-D			●	●	●	●	●	●	●	●	●	●	●	●	●	●	740
	AS3001F-D			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS4001F-D			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	ASD230F-D	M5, 10-32UNF	1/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Standard type (Metal body)	ASD330F-D		1/4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	744
	ASD430F-D		1/4, 3/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	ASD530F-D		1/2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	ASD630F-D			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
AS12□0-D		M5, 10-32UNF	M3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS22□0-D		1/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	AS32□0-D		1/4, 3/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	749
	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"					
Tamper Proof Speed Controller	Elbow type	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"																	
	Universal type	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"																	
	In-line type	AS1001F-T																		758	
		AS2001F-T																			
		AS2051F-T																			
		AS3001F-T																			
	Dual speed controller	AS4001F-T																		761	
		ASD230F-T	M5, 10-32UNF																		
		ASD330F-T		1/8"																	
ASD430F-T		1/4"																			
ASD530F-T	1/4" 3/8"																				
Standard type (Metal body)	ASD630F-T	1/2"																	766		
	AS12□0-T	M5, 10-32UNF																			
	AS22□0-T		1/8" 1/4"																		
	AS32□0-T		1/4" 3/8"																		
AS42□0-T	1/2"																				
Speed Controller with Pilot Check Valve	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-07	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
			M5	1/4	3/8	1/2	
	AKH04	ø4	•	•	•	•	787
	AKH06	ø6	•	•	•	•	
	AKH08	ø8	•	•	•	•	
	AKH10	ø10	•	•	•	•	
	AKH12	ø12	•	•	•	•	

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