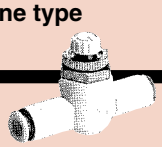
Flow Control Equipment

Speed Controller with One-touch Fittings, Standard Type

	Model	Port size in the cylinder side	Applicable tubing O.D. Metric size (mm) 2	3.2	4	6	8	10	12	Inch size (inch) 1/8	5/32	3/16	1/4	5/16	3/8	1/2	Applicable cylinder bore size (mm)	Page
Elbow type	AS12□1F	M 3	●	●	●					●	●						ø2.5 to ø6	416
	AS12□1F	M 5	●	●	●	●				●	●	●	●				ø2.5 to ø20	
	AS22□1F	1/8, 1/4		●	●	●	●	●		●	●	●	●	●	●		ø20 to ø40	
	AS32□1F	1/4, 3/8				●	●	●	●				●	●	●		ø40 to ø63	
	AS42□1F	1/2						●	●						●	●	ø63 to ø100	
Universal type	AS13□1F	M 3		●	●					●	●						ø2.5 to ø6	
	AS13□1F	M 5		●	●	●				●	●	●	●				ø6 to ø20	
	AS23□1F	1/8, 1/4		●	●	●	●	●		●	●	●	●	●	●		ø20 to ø40	
	AS33□1F	1/4, 3/8				●	●	●	●				●	●	●		ø40 to ø63	
	AS43□1F	1/2						●	●						●	●	ø63 to ø100	
Flame Resistant (Equivalent to UL-94 Standard V-0) Elbow type	AS22□1F	1/8, 1/4				●	●	●									ø20 to ø40	423
	AS32□1F	1/4, 3/8				●	●	●	●								ø40 to ø63	
	AS42□1F	1/2						●	●								ø63 to ø100	
Elbow type (Metal body)	AS12□1	M 5			●	●											ø6 to ø20	427
	AS22□1	1/8				●	●										ø20 to ø32	
	AS22□1	1/4				●	●										ø20 to ø40	
	AS32□1	3/8					●	●									ø40 to ø63	
	AS42□1	1/2						●	●								ø63 to ø100	
In-line type 	AS1001F		●	●	●	●				●	●	●	●				ø2.5 to ø20	430
	AS2001F				●	●					●	●	●				ø20 to ø32	
	AS2051F					●	●					●	●	●			ø20 to ø40	
	AS3001F					●	●	●	●				●	●	●		ø40 to ø63	
	AS4001F							●	●						●	●	ø63 to ø100	
In-line type Panel mount type	AS1001F			●	●	●				●	●	●	●				ø6 to ø20	434
	AS2001F				●	●					●	●	●				ø20 to ø32	
	AS2051F					●	●					●	●	●			ø20 to ø40	
	AS3001F					●	●	●	●				●	●	●		ø40 to ø63	
	AS4001F							●	●						●	●	ø63 to ø100	
Dual speed controller	ASD230F	M 5			●	●				●	●	●	●				ø6 to ø20	438
	ASD330F	1/8				●	●					●	●	●			ø20 to ø32	
	ASD430F	1/4				●	●	●					●	●	●		ø20 to ø40	
	ASD530F	1/4				●	●	●	●				●	●	●		ø20 to ø40	
	ASD530F	3/8				●	●	●	●				●	●	●		ø40 to ø63	
	ASD630F	1/2						●	●						●		ø63 to ø100	
Elbow type with Uni One-touch fitting	AS22□1F	1/8, 1/4		●	●	●	●	●		●	●	●	●	●	●		ø20 to ø40	445
	AS32□1F	3/8				●	●	●	●				●	●	●		ø40 to ø63	
	AS42□1F	1/2						●	●						●	●	ø63 to ø100	
Universal type with Uni One-touch fitting	AS23□1F	1/8, 1/4		●	●	●	●	●		●	●	●	●	●	●		ø20 to ø40	
	AS33□1F	3/8				●	●	●	●				●	●	●		ø40 to ø63	
	AS43□1F	1/2						●	●						●	●	ø63 to ø100	

Speed Controller Standard Type

	Model	Port size in the cylinder side	Port size on piping side: M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	Applicable cylinder bore size (mm)	Page
Elbow type (Metal body)	AS12□0	M 3/M 5	●	●										ø2.5 to ø6	452
	AS1400	M 3	●											ø6 to ø20	
	AS22□0	1/8, 1/4			●	●								ø20 to ø40	
	AS32□0	1/4, 3/8				●	●							ø40 to ø63	
	AS42□0	1/2						●						ø63 to ø100	
In-line type	AS1000	M 3/M 5	●	●										ø2.5 to ø25	456
	AS2000	1/8, 1/4			●	●								ø20 to ø40	
	AS3000	1/4, 3/8				●	●							ø32 to ø63	
	AS4000	1/4, 3/8, 1/2				●	●	●						ø40 to ø100	
	AS5000	1/4, 3/8, 1/2				●	●	●						ø40 to ø100	
Large flow In-line type	AS420	1/4, 3/8, 1/2				●	●	●						ø63 to ø125	460
	AS500	3/4							●					ø140 to ø200	
	AS600	1								●				ø160 to ø250	
	AS800	1 1/4									●			ø300	
	AS900	1 1/2, 2										●	●	ø300	
In-line Push Locking type	AS3500	1/4, 3/8				●	●							ø32 to ø63	462

Speed Controller with Residual Pressure Release Valve

	Model	Port size in the cylinder side	Applicable tubing O.D. Metric size (mm): 3.2	4	6	8	10	12	Inch size (inch): 1/8	5/32	3/16	1/4	5/16	3/8	1/2	Applicable cylinder bore size (mm)	Page
With One-touch fitting/Elbow	AS22□1FE	1/8		●	●	●	●									ø20 to ø32	464
	AS22□1FE	1/4		●	●	●	●									ø20 to ø40	
	AS32□1FE	3/8			●	●	●	●								ø40 to ø63	
	AS42□1FE	1/2					●	●								ø63 to ø100	
With One-touch fitting/Universal	AS23□1FE	1/8		●	●	●										ø20 to ø32	
	AS23□1FE	1/4		●	●	●	●									ø20 to ø40	
	AS33□1FE	3/8			●	●	●	●								ø40 to ø63	
	AS43□1FE	1/2					●	●								ø63 to ø100	

	Model	Port size in the cylinder side	Port size on piping side: M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	Applicable cylinder bore size (mm)	Page
Standard type	AS2000E	1/8			●									ø20 to ø32	468
	AS2000E	1/4				●								ø20 to ø40	
	AS3000E	1/4				●								ø32 to ø63	
	AS3000E	3/8					●							ø32 to ø63	
	AS4000E	1/4				●								ø40 to ø100	
	AS4000E	3/8					●							ø40 to ø100	
	AS4000E	1/2						●						ø40 to ø100	

Flow Control Equipment

Speed Controller Stainless Steel Series

	Model	Port size in the cylinder side	Applicable tubing O.D. Metric size (mm) 3.2	4	6	8	10	12	Inch size (inch) 1/8	5/32	3/16	1/4	5/16	3/8	1/2	Applicable cylinder bore size (mm)	Page
Elbow type	AS12□1FG	M 5	●	●	●				●	●	●	●				ø6 to ø20	472
	AS22□1FG	1/8	●	●	●	●	●		●	●	●	●	●			ø20 to ø32	
	AS22□1FG	1/4		●	●	●	●			●	●	●	●	●		ø20 to ø40	
	AS32□1FG	1/4			●	●	●	●				●	●	●		ø40 to ø63	
	AS32□1FG	3/8			●	●	●	●				●	●	●		ø40 to ø63	
	AS42□1FG	1/2					●	●						●	●	ø63 to ø100	
Universal type	AS13□1FG	M 5	●	●	●				●	●	●	●				ø6 to ø20	
	AS23□1FG	1/8	●	●	●	●			●	●	●	●	●			ø20 to ø32	
	AS23□1FG	1/4		●	●	●	●			●	●	●	●	●		ø20 to ø40	
	AS33□1FG	1/4			●	●	●	●				●	●	●		ø40 to ø63	
	AS33□1FG	3/8			●	●	●	●				●	●	●		ø40 to ø63	
	AS43□1FG	1/2					●	●						●	●	ø63 to ø100	
In-line type	AS1001FG		●	●	●				●	●	●	●				ø6 to ø20	478
	AS2001FG			●	●					●	●	●				ø20 to ø32	
	AS2051FG				●	●						●	●	●		ø20 to ø40	
	AS3001FG				●	●	●	●					●	●	●	ø40 to ø63	
	AS4001FG						●	●							●	ø63 to ø100	
Dual speed controller	ASD230FG	M 5		●	●				●	●	●	●				ø6 to ø20	481
	ASD330FG	1/8			●	●					●	●	●			ø20 to ø32	
	ASD430FG	1/4			●	●	●					●	●	●		ø20 to ø40	
	ASD530FG	1/4			●	●	●	●				●	●	●		ø20 to ø40	
	ASD530FG	3/8			●	●	●	●				●	●	●		ø40 to ø63	
	ASD630FG	1/2					●	●						●		ø63 to ø100	
Clean speed controller with One-touch fitting	AS12□1FP□	M 5		●	●											ø6 to ø20	487
	AS22□1FP□	1/8		●	●	●										ø20 to ø32	
	AS22□1FP□	1/4		●	●	●	●									ø20 to ø40	
	AS32□1FP□	3/8			●	●	●	●								ø40 to ø63	
	AS42□1FP□	1/2					●	●								ø63 to ø100	

Speed Controller for Low Speed Operation

	Model	Port size in the cylinder side	Applicable tubing O.D. Metric size (mm) 3.2	4	6	8	10	12	Inch size (inch) 1/8	5/32	3/16	1/4	5/16	3/8	1/2	Applicable cylinder bore size (mm)	Page
Elbow type	AS12□1FM	M 5	●	●	●				●	●	●	●				ø6 to ø20	494
	AS22□1FM	1/8	●	●	●	●			●	●	●	●	●			ø20 to ø32	
	AS22□1FM	1/4		●	●	●	●			●	●	●	●	●		ø20 to ø40	
Universal type	AS13□1FM	M 5	●	●	●				●	●	●	●				ø6 to ø20	
	AS23□1FM	1/8	●	●	●	●			●	●	●	●	●			ø20 to ø32	
	AS23□1FM	1/4		●	●	●	●			●	●	●	●	●		ø20 to ø40	
In-line type	AS1001FM		●	●	●				●	●	●	●				ø6 to ø20	502
	AS2001FM			●	●					●	●	●				ø20 to ø32	
	AS2051FM				●	●						●	●	●		ø20 to ø40	
Dual speed controller	ASD230FM	M 5		●	●				●	●	●	●				ø6 to ø20	505
	ASD330FM	1/8			●	●					●	●	●			ø20 to ø32	
	ASD430FM	1/4			●	●	●					●	●	●		ø20 to ø40	
Standard type (Metal body)			Port size on piping side M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2				
	AS12□0M-M5	M 5		●												ø6 to ø20	499
	AS22□0M-01	1/8			●											ø20 to ø32	
	AS22□0M-02	1/4				●										ø20 to ø40	

Speed Controller Adjustable by Flat Head Screwdriver

Applicable tubing O.D.: Metric size (mm) 3.2, 4, 6, 8, 10, 12; Inch size (inch) 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 1/2

	Model	Port size in the cylinder side	Applicable cylinder bore size (mm)	Page
Elbow type	AS12□1F-D	M 5	ø6 to ø20	512
	AS22□1F-D	1/8, 1/4	ø20 to ø40	
	AS32□1F-D	1/4, 3/8	ø40 to ø63	
	AS42□1F-D	1/2	ø63 to ø100	
Universal type	AS13□1F-D	M 5	ø6 to ø20	
	AS23□1F-D	1/8, 1/4	ø20 to ø40	
	AS33□1F-D	1/4, 3/8	ø40 to ø63	
	AS43□1F-D	1/2	ø63 to ø100	
In-line type	AS1001F-D		ø6 to ø20	518
	AS2001F-D		ø20 to ø32	
	AS2051F-D		ø20 to ø40	
	AS3001F-D		ø40 to ø63	
	AS4001F-D		ø63 to ø100	
Dual speed controller	ASD230F-D	M 5	ø6 to ø20	522
	ASD330F-D	1/8	ø20 to ø32	
	ASD430F-D	1/4	ø20 to ø40	
	ASD530F-D	1/4	ø20 to ø40	
	ASD530F-D	3/8	ø40 to ø63	
	ASD630F-D	1/2	ø63 to ø100	

Port size on piping side: M3, M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2

	Model	Port size in the cylinder side	Applicable cylinder bore size (mm)	Page
Standard type (Metal body)	AS12□0-D	M 5	ø6 to ø25	527
	AS22□0-D	1/8, 1/4	ø20 to ø40	
	AS32□0-D	1/4, 3/8	ø40 to ø63	
	AS42□0-D	1/2	ø63 to ø100	

Tamper Proof Speed Controller

Applicable tubing O.D.: Metric size (mm) 3.2, 4, 6, 8, 10, 12; Inch size (inch) 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 1/2

	Model	Port size in the cylinder side	Applicable cylinder bore size (mm)	Page
Elbow type	AS12□1F-T	M 5	ø6 to ø20	530
	AS22□1F-T	1/8, 1/4	ø20 to ø40	
	AS32□1F-T	1/4, 3/8	ø40 to ø63	
	AS42□1F-T	1/2	ø63 to ø100	
Universal type	AS13□1F-T	M 5	ø6 to ø20	
	AS23□1F-T	1/8, 1/4	ø20 to ø40	
	AS33□1F-T	1/4, 3/8	ø40 to ø63	
	AS43□1F-T	1/2	ø63 to ø100	
In-line type	AS1001F-T		ø6 to ø20	536
	AS2001F-T		ø20 to ø32	
	AS2051F-T		ø20 to ø40	
	AS3001F-T		ø40 to ø63	
	AS4001F-T		ø63 to ø100	
Dual speed controller	ASD230F-T	M 5	ø6 to ø20	539
	ASD330F-T	1/8	ø20 to ø32	
	ASD430F-T	1/4	ø20 to ø40	
	ASD530F-T	1/4	ø20 to ø40	
	ASD530F-T	3/8	ø40 to ø63	
	ASD630F-T	1/2	ø63 to ø100	

Port size on piping side: M3, M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2

	Model	Port size in the cylinder side	Applicable cylinder bore size (mm)	Page
Standard type (Metal body)	AS12□0-T	M 5	ø6 to ø25	544
	AS22□0-T	1/8, 1/4	ø20 to ø40	
	AS32□0-T	1/4, 3/8	ø40 to ø63	
	AS42□0-T	1/2	ø63 to ø100	

Flow Control Equipment

Speed Controller with Pilot Check Valve

Model	Port size in the cylinder side	Applicable tubing O.D. Metric size (mm) 3.2	4	6	8	10	12	Inch size (inch) 1/8	5/32	3/16	1/4	5/16	3/8	1/2	Applicable cylinder bore size (mm)	Page
ASP330F-01	1/8			●	●						●	●			ø20 to ø32	547
ASP430F-02	1/4			●	●						●	●			ø20 to ø40	
ASP530F-03	3/8				●	●						●	●		ø40 to ø63	
ASP630F-04	1/2					●	●						●	●	ø63 to ø100	

Related Products

Holder for speed controller/TMH

Model (Metric size)	Applicable tubing for speed controller	Model (Inch size)	Applicable tubing for speed controller	Page
TMH-23J	ø3.2	TMH-01J	ø1/8	433
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		
TMH-10	ø10	TMH-09	ø5/16	
TMH-12	ø12	TMH-11	ø3/8	
		TMH-13	ø1/2	

Residual pressure release valve with One-touch fitting /*Series KE*□

With One-touch fitting without a push button guard *Series KEA*

Model	Port size	Page
KEA06	ø6	471
KEA08	ø8	
KEA10	ø10	
KEA12	ø12	

With One-touch fitting with a push button guard *Series KEB*

Model	Port size	Page
KEB06	ø6	471
KEB08	ø8	
KEB10	ø10	
KEB12	ø12	

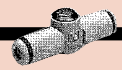
Rc thread with a push button guard *Series KEC*

Model	Port size	Page
KEC-02	1/4	471
KEC-03	3/8	

Metering valve with silencer *Series ASN2*

Model	Port size	Page
ASN2-M5	M 5	552
ASN2-01	1/8	
ASN2-02	1/4	
ASN2-03	3/8	
ASN2-04	1/2	

Quick exhaust valve with One-touch fittings *Series AQ□F*



Model	Applicable tubing	Page
AQ240F-04	04	556
AQ240F-06	06	
AQ340F-06	06	
AQ240F-07	ø1/4	
AQ340F-07	ø1/4	

Quick exhaust valve *Series AQ*

Lip

Diaphragm

Model	Port size	Page
AQ1500	M 5	554
AQ1510	1/8	
AQ2000	1/8, 1/4	
AQ3000	1/4, 3/8	
AQ5000	1/2, 3/4	

Speed exhaust controller *Series ASV*

Model	Port size	Page
ASV120F-M3	M 3	558
ASV220F-M5	M 5	
ASV310F	1/8, 1/4	
ASV410F	1/8, 1/4, 3/8	
ASV510F	1/4, 3/8, 1/2	

Check valve
Series AK

Model	Port size	Page
AK2000	1/8, 1/4	562
AK4000	1/4, 3/8, 1/2	
AK6000	3/4, 1	

Bushing type check valve with One-touch fittings
Straight type
Male connector type
Series AKH

Model	Port size	Page
AKH04	M5, 1/8	565
AKH06	M5, 1/8, 1/4	
AKH08	1/8, 1/4, 3/8	
AKH10	1/4, 3/8, 1/2	
AKH12	3/8, 1/2	

Bushing type
Series AKB

Model	Port size
AKB01	1/8
AKB02	1/4
AKB03	3/8
AKB04	1/2

5.0 MPa check valve
Series VCHC40

Model	Port size	Page
VCHC40	3/4, 1	571

Extension prevention system
SSC valve
PAT.PEND.
Meter-out control type

Model	Port size	Page
ASS100	1/8	576
ASS300	1/4, 3/8	
ASS500	1/2, 3/4	
ASS600	3/4, 1	

Meter-in control type

Model	Port size
ASS110	1/8
ASS310	1/4, 3/8

Air saving valve
Series ASR/ASQ

Pressure valve

Model	Port size	Page
ASR430F	1/4	581
ASR530F	1/4	
ASR530F	3/8	
ASR630F	3/8	
ASR630F	1/2	

Flow valve

Model	Port size
ASQ430F	1/4
ASQ530F	1/4
ASQ530F	3/8
ASQ630F	3/8
ASQ630F	1/2