

Speed Controllers with Special Functions

Speed Controller with Residual Pressure Release Valve **AS**



- Integrated speed controller and residual pressure release valve
- Residual pressure can be easily released with the push of a button.
- Eye-catching red release button

Type	Series	Port size on the cylinder side	Applicable tubing O.D.
With One-touch fittings, Elbow/Universal type	AS□□□1FE	1/8 to 1/2	ø4 to ø12
Metal body, In-line type	AS□000E	1/8 to 1/2	—

Speed Controller with Pilot Check Valve **ASP**



- Integrated pilot check valve and speed controller
- Realizes momentary intermediate stoppage of a cylinder and is able to adjust its speed

Type	Series	Port size on the cylinder side	Applicable tubing O.D.	
			Metric size	Inch size
Speed controller with pilot check valve	ASP	1/8 to 1/2	ø6 to ø12	ø1/4" to ø1/2"

Speed Exhaust Controller **ASV**

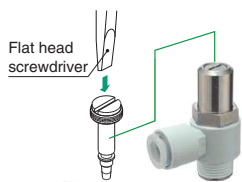


- Integrated quick exhaust valve and exhaust throttle valve
- Supports the high speed operation of cylinders

Type	Series	Port size
Speed exhaust controller	ASV120F/220F	M3, M5
	ASV310F/410F/510F	1/8 to 1/2

Tool Operation Type Speed Controllers

Speed Controller Adjustable by Flat Head Screwdriver **AS**



- Flow adjustable by a flat head screwdriver
- Prevents unnecessary manual operation



Type	Series	Port size on the cylinder side	Applicable tubing O.D.	
			Metric size	Inch size
With One-touch fittings, Elbow/Universal type	AS□□□1F-D	M5 to 1/2	ø3.2 to ø12	ø1/8" to ø1/2"
With One-touch fittings, In-line type	AS□1F-D	—	ø3.2 to ø12	ø1/8" to ø1/2"
With One-touch fittings, Dual speed controller	ASD□□□F-D	M5 to 1/2	ø3.2 to ø12	ø1/8" to ø1/2"
Metal body	AS□2□0-D	M5 to 1/2	ø3.2 to ø12	ø1/8" to ø1/2"

Tool Operation Type Speed Controllers

Tamper Proof Speed Controller **AS**



- Flow can be adjusted with a special tool.
- Prevents unnecessary manual operation

Type	Series	Port size on the cylinder side	Applicable tubing O.D.	
			Metric size	Inch size
With One-touch fittings, Elbow/Universal type	AS□□□1F-T	M5 to 1/2	ø3.2 to ø12	ø1/8" to ø1/2"
With One-touch fittings, In-line type	AS□1F-T	—	ø3.2 to ø12	ø1/8" to ø1/2"
With One-touch fittings, Dual speed controller	ASD□□□F-T	M5 to 1/2	ø3.2 to ø12	ø1/8" to ø1/2"
Metal body	AS□2□0-T	M5 to 1/2	ø3.2 to ø12	ø1/8" to ø1/2"

Flame Resistant Flat Head Screwdriver Adjustable Speed Controller (Elbow Type) **AS□2□1F-W2D**



- Flame resistant resin (Equivalent to UL-94 Standard V-0)
- Flat head screwdriver adjustable
Prevent accidental manual operation by making adjustments with a flat head screwdriver.
- Thread type: G thread

Type	Series	Port size on the cylinder side	Applicable tubing O.D.
Elbow type	AS22□1F to AS42□1F	G1/8 to 1/2	ø6 to ø12

Air Saving Speed Controllers/Air Saving Valves

Air Saving Speed Controller **AS-R/AS-Q**



- Reduce air consumption just by mounting to an air cylinder.
- Air consumption reduced by 25%
- Mounting and operation are the same as regular speed controller.
- Equal response time
No delay of response time with 2-pressure control
- Compact: 85% reduction
The functions of the regulator and speed controller have been integrated.

Type	Series	Port size on the cylinder side	Applicable tubing O.D.	
			Metric size	Inch size
Elbow type With pressure reduction function	AS22R to AS42R	R, NPT, G 1/8 to 1/2	ø6 to ø12	ø1/4" to ø1/2"
Elbow type With rapid supply and exhaust function	AS22Q to AS42Q	R, NPT, G 1/8 to 1/2	ø6 to ø12	ø1/4" to ø1/2"

Air Saving Valve **ASR/ASQ**



- 40% reduction in air consumption
- Cuts air consumption by operating the return stroke at a reduced pressure

Type	Series	Port size	Applicable tubing O.D.
Pressure valve	ASR	1/4 to 1/2	ø6 to ø12
Flow valve	ASQ	1/4 to 1/2	ø6 to ø12

Related Equipment

Holder for Speed Controller **TMH**



- A holder for securing a speed controller (In-line type) with One-touch fittings
- Universal mounting

Type	Series
Holder	TMH

Residual Pressure Release Valve with One-touch Fittings **KE□**



- Residual pressure in the cylinder can be easily released with the push of a button.

Type	Series	Applicable tubing O.D.
With One-touch fittings without a push button guard	KEA	ø6 to ø12
With One-touch fittings with a push button guard	KEB	ø6 to ø12
Rc thread with a push button guard	KEC	Connection thread: Rc1/4, 3/8

Metering Valve with Silencer **ASN2**



- Superior sound reducing performance (Over 20 dB at max. flow rate)
- Can be directly mounted on the exhaust port of a solenoid valve

Type	Series	Port size
Metering valve with silencer	ASN2	M5 to 1/2

Quick Exhaust Valve **AQ**



- A wide selection of models are available.

Type	Series	Port size	Applicable tubing O.D.
Lip	AQ1500 AQ1510	M5, 1/8	—
Diaphragm	AQ2000 to AQ5000	1/8 to 3/4	—
Built-in One-touch fittings	AQ240F AQ340F	—	ø4 to ø6, ø1/4"

Related Equipment

Check Valve **AK**



Type	Series	Port size	Applicable tubing O.D.	
			Metric size	Inch size
In-line type	AK2000/AK4000 AK6000	1/8 to 1	—	—
Straight type	AKH	—	ø4 to ø12	ø5/32" to ø1/2"
Male connector type	AKH	M5 to 1/2	ø4 to ø12	ø5/32" to ø1/2"
Bushing type	AKB	1/8 to 1/2	—	—
Made to order for air/water	<ul style="list-style-type: none"> Body materials: Brass, Stainless steel Rubber materials: NBR, FKM, CR High temperature, low temperature Low cracking 	1/8 to 1/2	—	—

5.0 MPa Check Valve **VCHC40**



- Improved durability in high-pressure environments through the use of a polyurethane elastomer poppet

Type	Series	Port size	Operating pressure
5.0 MPa	VCHC40	3/4, 1	0.05 to 5.0 MPa

Extension Prevention System **ASS**



- Prevents accidents caused by sudden cylinder rod extensions

Type	Series	Port size
Meter-out control	ASS100 to ASS600	1/8 to 1
Meter-in control	ASS110 to ASS310	1/8 to 3/8