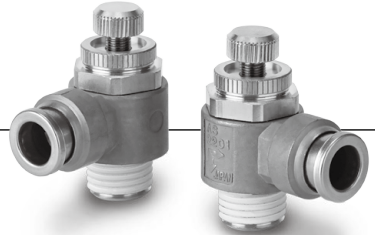
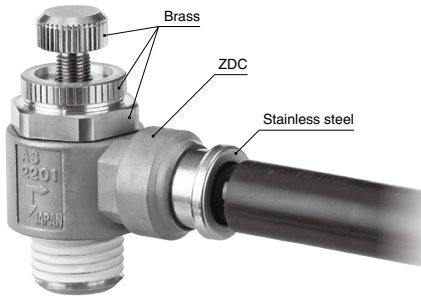


Speed Controller with One-touch Fitting AS-X737

All Metal Exterior*

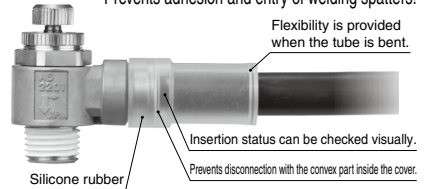
* Except sealant

Improved environmental resistance with the all metal exterior



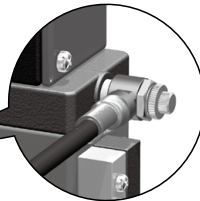
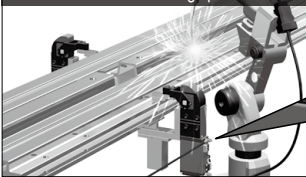
Related Equipment/Spatter cover

Prevents adhesion and entry of welding spatters!

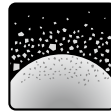


Application

Environment where welding spatter scatters



Welding spatter



Dust



Ultraviolet

For use in environments shown above

How to Order

AS 3 2 0 1 - 03 - F 08 S - X737

Body size

2	1/8, 1/4 standard
3	3/8 standard

Control type

0	Meter-out
1	Meter-in

Thread size

01	R1/8
02	R1/4
03	R3/8

With sealant

All metal exterior

Applicable tubing O.D. (Note)

06	ø6
08	ø8
10	ø10

(Note) For selecting applicable tubing O.D., refer to the "Model".

With One-touch fitting

Model

Model	Port size	Applicable tubing O.D.		
		6	8	10
AS22□1-01-F□S-X737	R1/8	●	●	
AS22□1-02-F□S-X737	R1/4	●	●	●
AS32□1-03-F□S-X737	R3/8		●	●

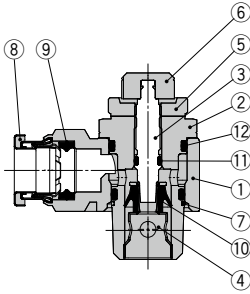
Specifications

Fluid	Air
Proof pressure	1.5 MPa
Max. operating pressure	1 MPa
Min. operating pressure	0.1 MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Applicable tubing material	Nylon, Soft nylon, Polyurethane FR double layer, FR Three-layer, FR soft nylon

Meter-out and meter-in types can be visually differentiated by the lock nut. The lock nut on the meter-out type is brass color, while the meter-in type is black.

AS-X737

Construction



Component Parts

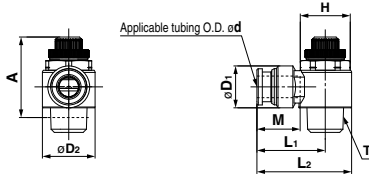
No.	Description	Material	Note
1	Body A	ZDC (Zinc alloy)	Chromating
2	Body B	Brass	
3	Needle	Brass	Electroless nickel plating
4	Seat ring	Brass	
5	Lock nut	Brass	Meter-out
			Meter-in
6	Handle	Brass	
7	C-ring	Steel wire	
8	Cassette	Stainless steel	
9	Seal	NBR	
10	U-seal	HNBR	
11	O-ring	NBR	
12	O-ring	NBR	

Flow Rate and Sonic Conductance

Model		AS22□1-01-F□S-X737	AS22□1-02-F□S-X737	AS32□1-03-F□S-X737	
Applicable tubing O.D. (Note)		ø6, ø8	ø6, ø8, ø10	ø8	ø10
Controlled flow	Flow rate L/min (ANR)	230	390	460	790
	Sonic conductance dm ³ / (s-bar)	0.7	1.2	1.4	2.4
Free flow	Controlled flow	0.25	0.3	0.25	
	Free flow	0.2	0.3	0.2	
Critical pressure ratio	Controlled flow	0.25	0.3	0.25	
	Free flow	0.2	0.3	0.2	

Note) Inner tubing O.D. applies to the FR double layer and FR three-layer.

Dimensions



Model	Applicable tubing O.D. ød	T	H	D1	D2	L1	L2	A MAX.	M	Weight g
AS22□1-01-F06S-X737	6	R1/8	12	15.5	14.5	20.7	28	32.4	13.6	27.7
AS22□1-01-F08S-X737	8					23.5	30.8		16.4	27.8
AS22□1-02-F06S-X737	6				R1/4	17	19.5	22.5	22.3	34.8
AS22□1-02-F08S-X737	8	25.3	35.1					16.4	48.8	
AS22□1-02-F10S-X737	10	30.8	40.6				17.1	56.2		
AS32□1-03-F08S-X737	8	R3/8	19		18.2	24.3	27.1	39.3	42.8	16.4
AS32□1-03-F10S-X737	10			27.8			40	17.1		79.4

Related Equipment

Spatter cover

(Applicable tubing: FR soft nylon, FR double layer, FR three-layer)

Model	Applicable tubing O.D.	L1	L2	øD1	øD2
KQB2-06C-X1124	6	24.6	16.6	13.5	11.6
KQB2-08C-X1124	8	30.2	20.6	16.4	14.2
KQB2-10C-X1124	10	34.4	24.6	19.3	16.2

* Since the spatter cover is designed for multi-layer (double layer, three-layer) tubing, sufficient effects cannot be obtained in foreign matter flow-in or followability for single-layer tubing.

* The cover can be attached regardless of the single-layer/multi-layer tubing.

Silicone rubber



Sales unit: 10 pcs./bag

Can also be used for the KQB2/KQG2 series.

* Cannot be used for union "Y" (KQB□/KQG2U) 2-port side.



Metal One-touch Fittings
Series KQB2



Stainless Steel 316 One-touch Fittings
Series KQG2