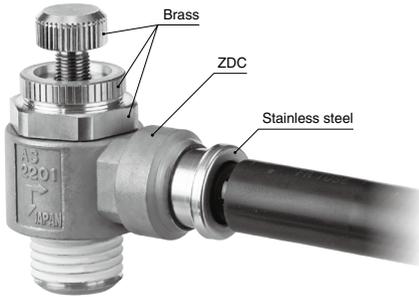


# Speed Controller with One-touch Fitting AS-X737

## All Metal Exterior\*

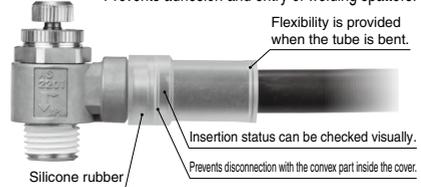
\* Except sealant

### ● Improved environmental resistance with the all metal exterior



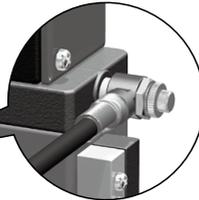
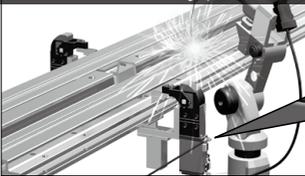
### Related Equipment/Spatter cover

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

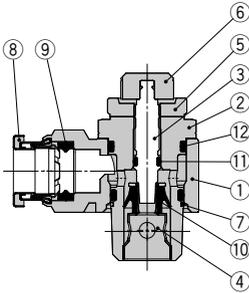
Fluid	Air
Proof pressure	1.5 MPa
Max. operating pressure	1 MPa
Min. operating pressure	0.1 MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Applicable tubing material	Nylon, Soft nylon, Polyurethane FR double layer, FR Three-layer, FR soft nylon

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-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

# AS-X737

## Construction



### Component Parts

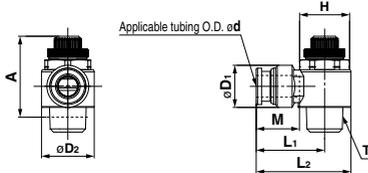
No.	Description	Material	Note
1	Body A	ZDC (Zinc alloy)	Chromating
2	Body B	Brass	
3	Needle	Brass	Electroless nickel plating
4	Seat ring	Brass	
5	Lock nut	Brass	Meter-out
			Meter-in
6	Handle	Brass	
7	C-ring	Steel wire	
8	Cassette	Stainless steel	
9	Seal	NBR	
10	U-seal	HNBR	
11	O-ring	NBR	
12	O-ring	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
	Free flow	Sonic conductance dm <sup>3</sup> / (s-bar)			
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					22.5	22.3		13.6	48.7	
AS22□1-02-F08S-X737	8	R1/4	17		19.5	25.3	35.1	34.8	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
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