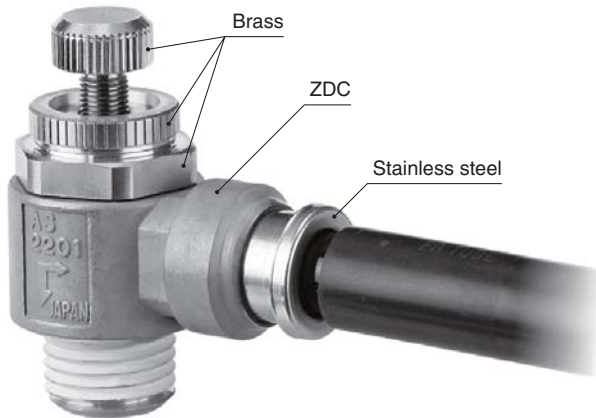


All Metal Exterior* Speed Controller with One-touch Fitting

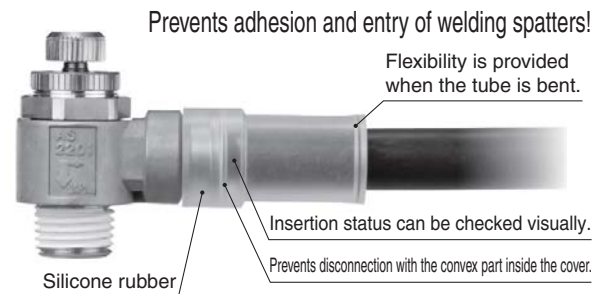
* Except sealant



● Improved environmental resistance with the all metal exterior

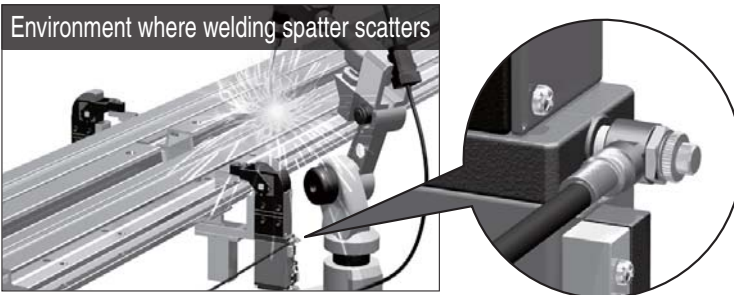


Related Equipment/Spatter cover



● 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
- 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

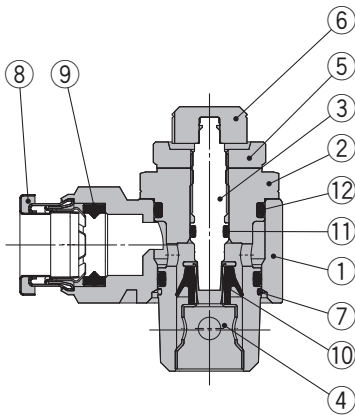


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14-E629 2016-9

AS-X737

Construction

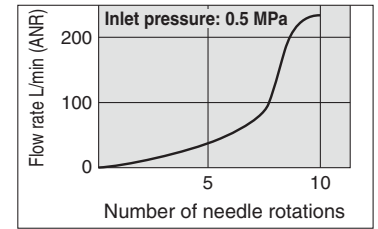


Component Parts

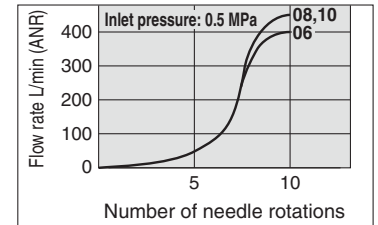
No.	Description	Material	Note
1	Body A	ZDC (Zinc alloy)	Chromating
2	Body B	Brass	
3	Needle	Brass	Electroless nickel plating
4	Seat ring	Brass	
5	Lock nut	Brass	Meter-out
			Meter-in
6	Handle	Brass	
7	C-ring	Steel wire	
8	Cassette	Stainless steel	
9	Seal	NBR	
10	U-seal	HNBR	
11	O-ring	NBR	
12	O-ring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

Needle Valve/Flow-rate Characteristics

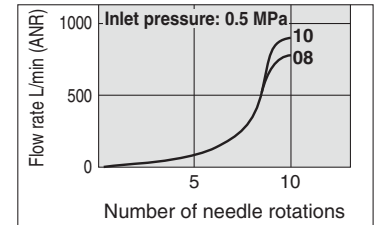
AS22□1-01-F□S-X737



AS22□1-02-F□S-X737



AS32□1-03-F□S-X737

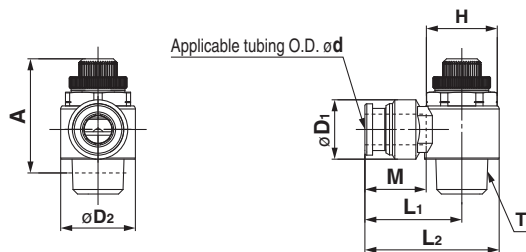


Flow Rate and Sonic Conductance

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 Free flow	Flow rate L/min (ANR)	230	390	460	790	920
	Sonic conductance dm ³ / (s·bar)	0.7	1.2	1.4	2.4	2.8
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

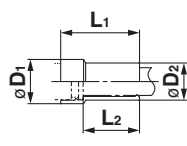


Model	Applicable tubing O.D. ød	T	H	D1	D2	L1	L2	A MAX.	M	Weight g
AS22□1-01-F06S-X737	6	R1/8	12	15.5	14.5	20.7	28	32.4	13.6	27.7
AS22□1-01-F08S-X737	8					23.5	30.8		16.4	27.8
AS22□1-02-F06S-X737	6	R1/4	17		19.5	22.5	22.3	34.8	13.6	48.7
AS22□1-02-F08S-X737	8					25.3	35.1		16.4	48.8
AS22□1-02-F10S-X737	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	79.4
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" (KQBU□/KQG2U) 2-port side.



Metal One-touch Fittings
Series KQB2



Stainless Steel 316 One-touch Fittings
Series KQG2

⚠ Safety Instructions Be sure to read "Handling Precautions for SMC Products" (M-E03-3) before using.