

How to Order

AS 2 2 0 1 F - 01 - 06 S -

Body size

1	M3, M5 standard
2	1/8, 1/4 standard
3	3/8 standard
4	1/2 standard

Type

2	Elbow
3	Universal

Control type

0	Meter-out
1	Meter-in

With One-touch fitting

Thread type

Nil	Metric thread (M3, M5)
	Unified thread (10-32 UNF)
	R
N	NPT

Option

Nil	None
S	With seal
K	Hexagonal lock nut
N	Electroless nickel plated

Made to Order
(Refer to page 422 for details.)

Applicable tubing O.D.

Metric size	Inch size
02	ø2
23	ø3.2*
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
01	ø1/8"
03	ø5/32"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

*1 If more than one option is required, write option part numbers in the order of "S", "K", "N".
*2 M3, M5, and U10/32 are not available with seals.

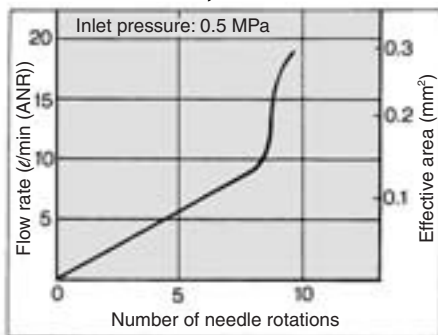
Port size

M3	M3 x 0.5
M5	M5 x 0.8
U10/32	10-32 UNF
01	1/8
02	1/4
03	3/8
04	1/2

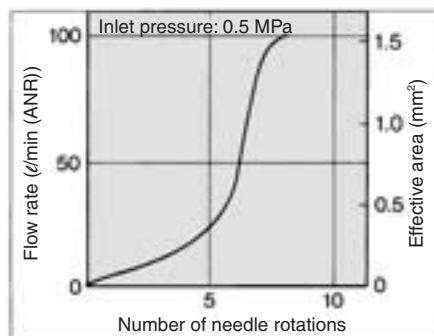
*Use ø1/8" tube.

Needle Valve/Flow Characteristics

AS1201F-M3, AS1211F-M3
AS1301F-M3, AS1311F-M3
AS1201F-M5-02, AS1211F-M5-02

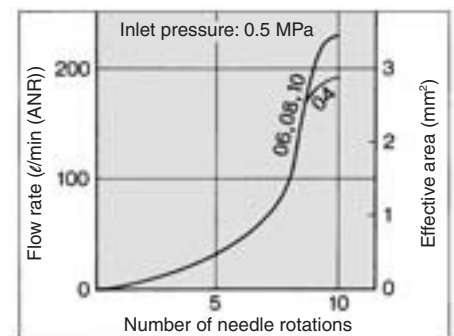


AS1201F-M5, AS1211F-M5
AS1301F-M5, AS1311F-M5

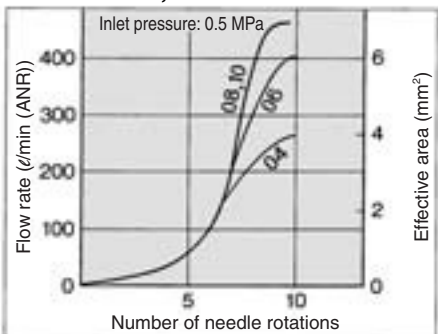


Note) "U10/32" is the same as "M5".

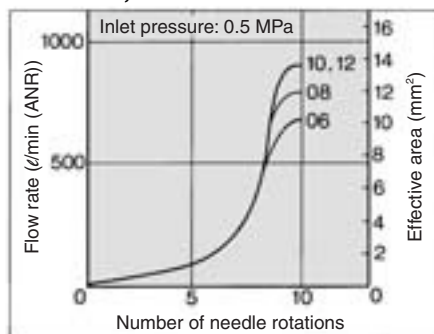
AS2201F-01, AS2211F-01
AS2301F-01, AS2311F-01



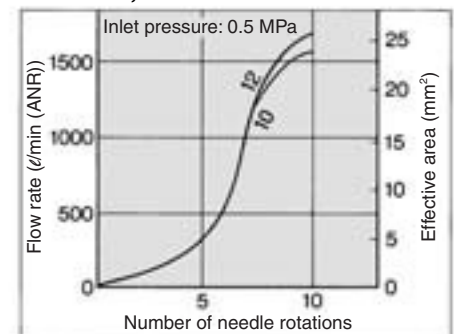
AS2201F-02, AS2211F-02
AS2301F-02, AS2311F-02



AS3201F, AS3211F
AS3301F, AS3311F



AS4201F, AS4211F
AS4301F, AS4311F

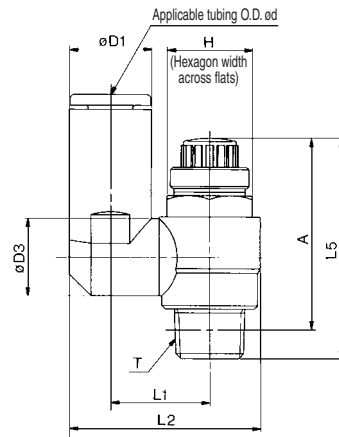
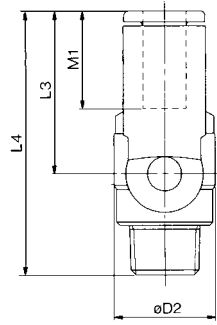


AS
ASP
ASN
AQ
ASV
AK
VCHC
ASS
ASR
ASQ
KE
TMH

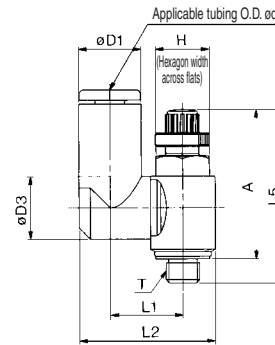
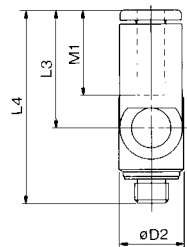
Speed Controller with One-touch Fitting Elbow Type/Universal Type **Series AS**



Universal Type



**M3 port
M5 port
U10/32 port**



Metric Size

Model	Applicable lubing O.D. ød	T	H ⁽¹⁾	D1	D2	D3	L1	L2	L3	L4	L5 ⁽³⁾		A ⁽²⁾		M1	Mass (g)		
											Max.	Min.	Max.	Min.				
AS13□1F-M3-23	3.2	M3 x 0.5	5.5	8.4	7.2	7.2	10.1	17.9	17.6	28.3	26.6	24.1	24	21.5	12.7	4		
AS13□1F-M3-04	4			9.3				18.3	17.9	28.6						5		
AS13□1F-M5-23	3.2	M5 x 0.8	8	8.4	9.6	9.3	10.8	19.8	17.5	28.7	28.6	25.8	25	22.2	12.7	7		
AS13□1F-U10/32-23		10-32UNF																
AS13□1F-M5-04	4	M5 x 0.8		9.3				20.3										
AS13□1F-U10/32-04		10-32UNF																
AS13□1F-M5-06	6	M5 x 0.8	11.6	21.4	20.6	31.8	13.5											
AS13□1F-U10/32-06		10-32UNF																
AS23□1F-01-23	3.2	1/8	12 (12.7)	8.4	14.2	9.3	13.1	24.4	17.5	30.9	35.2	30.2	32.1	27.1	12.7	17		
AS23□1F-01-04	4			9.3				24.9							18			
AS23□1F-01-06	6			11.6				26.9	22.9	36.3					13.5			
AS23□1F-01-08	8			15.2				30.9	28.2	40.8					18.5	21		
AS23□1F-02-04	4	1/4	17 (17.5)	10.4	18.5	10.9	16.2	30.6	21.9	39.6	39.9	34.9	34.4	29.4	16	32		
AS23□1F-02-06	6			12.8				12.9	18.4	34					25.2	42.1	17	33
AS23□1F-02-08	8			15.2				18.3	35.2	28.2					45.1	18.5	36	
AS23□1F-02-10	10			18.5				20.2	38.7	31					47.9	21	40	
AS33□1F-02-06	6			12.8				12.9	20.6	38.5					25.2	46.5	17	60
AS33□1F-02-08	8			15.2				12.9	20.6	39.7					28.2	49.5	18.5	63
AS33□1F-02-10	10			18.5				23	23	43.7					32.6	53.9	21	67
AS33□1F-02-12	12			20.9				16.2	23	44.9					34.4	55.7	22	69
AS33□1F-03-06	6	3/8	19	12.8	23	12.9	20.6	38.5	25.2	45	45.4	40.4	40	35	17	56		
AS33□1F-03-08	8			15.2				12.9	20.6	39.7					28.2	48	18.5	59
AS33□1F-03-10	10			18.5				16.2	23	43.7					32.6	52.4	21	63
AS33□1F-03-12	12			20.9				23	44.9	34.4					54.2	22	65	
AS43□1F-04-10	10	1/2	24 (23.8)	18.5	28.6	16.2	25.8	49.4	32.6	57.1	56.7	49.2	49.6	42.1	21	104		
AS43□1F-04-12	12	21.7	19.4	26.8		52	36.3	60.8	22	106								

Note 1) () are the dimensions of NPT thread
Note 2) Reference thread dimensions after installation.
Note 3) Reference dimensions

Inch Size

Model	Applicable tubing O.D. ød	T	H ⁽¹⁾	D1	D2	D3	L1	L2	L3	L4	L5 ⁽³⁾		A ⁽²⁾		M1	Mass (g)										
											Max.	Min.	Max.	Min.												
AS13□1F-M3-01	1/8"	M3 x 0.5	5.5	8.4	7.2	7.2	10.1	17.9	17.6	28.3	26.6	24.1	24	12.5	12.7	4										
AS13□1F-M3-03	5/32"			9.3				18.3	17.9	28.6						5										
AS13□1F-M5-01	1/8"			8.4				19.8	28.7	28.6						25.8	25	22.2	12.7	7						
AS13□1F-U10/32-01	1/8"	10-32UNF	8	9.6	9.3	10.8	20.3				28.6	25.8	25	22.2	12.7						7					
AS13□1F-M5-03	5/32"	M5 x 0.8																				10-32UNF	28.6	25.8	25	22.2
AS13□1F-U10/32-03	5/32"	10-32UNF						28.6	25.8	25						22.2	12.7	7								
AS13□1F-M5-05	3/16"	M5 x 0.8	8	11.4	9.6	9.3	10.8				21.3	23.3	34.5	28.6	25.8				25	22.2	16.5					
AS13□1F-U10/32-05	3/16"	10-32UNF																				12	21.6	20.7	31.9	28.6
AS13□1F-M5-07	1/4"	M5 x 0.8						10-32UNF	21.6	20.7						31.9	28.6	25.8								
AS13□1F-U10/32-07	1/4"	10-32UNF	12	21.6	20.7	31.9	28.6				25.8	25	22.2	13.7	8											
AS23□1F-01-01	1/8"	1/8																	12 (12.7)	8.4	14.2	10.9	14	24.4	30.9	35.2
AS23□1F-01-03	5/32"							9.3	13.1	24.9						17.5	18									
AS23□1F-01-05	3/16"		11.6	10.9	14	26.8	23.9	37.3	16.5																	
AS23□1F-01-07	1/4"		13.2	12.9	16.2	29.9	25.6	38.2	17	19																
AS23□1F-01-09	5/16"		15.2	12.9	16.2	30.9	28.2	40.8	18.5	21																
AS23□1F-02-03	5/32"	1/4	17 (17.5)	10.4	18.5	12.9	18.3	16.2	30.6	21.9	39.6	39.9	34.9	34.4	29.4	16	32									
AS23□1F-02-05	3/16"			11.6												10.9	16.2	31.1	23.9	42.1	16.5	33				
AS23□1F-02-07	1/4"			13.2												18.3	34.2	25.6	45.1	39.9	34.9	34.4	29.4	17	36	
AS23□1F-02-09	5/16"			15.2												12.9	18.3	35.2	28.2	47.9	18.5	39				
AS23□1F-02-11	3/8"			18.5												20.2	38.7	31	46.5	21	40					
AS33□1F-02-07	1/4"	3/8	19	13.2	23	12.9	20.6	38.7	25.6	46.9	48.3	43.3	42.8	37.8	18.5	17	60									
AS33□1F-02-09	5/16"			15.2												23	12.9	20.6	39.7	28.2	49.5	21	69			
AS33□1F-02-11	3/8"			18.5												16.2	23	43.7	32.6	53.9	21	69				
AS33□1F-03-07	1/4"			13.2												12.9	20.6	38.7	25.6	45.4	17	56				
AS33□1F-03-09	5/16"			15.2												12.9	20.6	39.7	28.2	48	45.4	40.4	40.2	35.2	18.5	59
AS33□1F-03-11	3/8"	18.5	16.2	23	43.7	32.6	52.4	21	65																	
AS43□1F-04-11	3/8"	1/2	24 (23.8)	18.5	28.6	16.2	25.8	49.4	32.6	57.1	56.7	49.2	49.6	42.1	21	104										
AS43□1F-04-13	1/2"			21.7												19.4	26.8	52	36.3	60.8	22	106				

Note 1) () are the dimensions of NPT thread
Note 2) Reference thread dimensions after installation.
Note 3) Reference dimensions