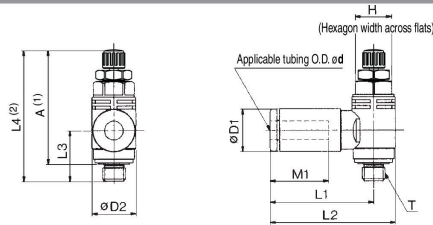


Dimensions

ASV120F/220F



Metric Size

Model	Applicable tubing O.D. ød	T	H	D1	D2	L1	L2	L3	L4		A*		M1	Weight (g)
									Max.	Min.	Max.	Min.		
ASV120F-M3-04	4	M3 x 0.5	5.5	9.3	7.2	21.4	25	9.8	28.6	26.1	25.8	23.3	12.7	5
ASV220F-M5-04	4	M5 x 0.8	8	9.3	9.6	22.8	27.6	11.1	31.4	28.6	27.7	24.9	12.7	8
ASV220F-M5-06	6	M5 x 0.8	8	11.6	9.6	23.6	28.4	11.1	31.4	28.6	27.7	24.9	13.5	9

Note 1) Reference dimensions of M thread after installation. Note 2) L4: Reference dimensions

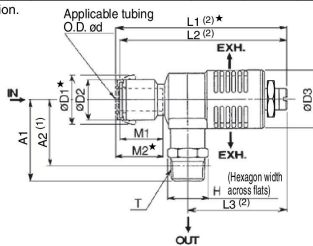
Inch Size

Model	Applicable tubing O.D. ød	T	H	D1	D2	L1	L2	L3	L4		A*		M1	Weight (g)
									Max.	Min.	Max.	Min.		
ASV220F-U10/32-03	5/32"	10-32UNF	8	9.3	9.6	22.8	27.6	11.1	31.4	28.6	27.7	24.9	12.7	8
ASV220F-U10/32-07	1/4"	10-32UNF	8	12.2	9.6	23.6	28.4	11.1	31.4	28.6	27.7	24.9	13.7	9

Note 1) Reference "U10/32" thread dimensions after installation.

Note 2) L4: Reference dimensions

ASV310F/410F/510F



Metric Size

Model	Applicable tubing O.D. ød	T	H	D1	D2	D3	L1*		L2		L3		A1(2)	A2	M1	M2*	Weight (g)
							Max.	Min.	Max.	Min.	Max.	Min.					
ASV310F-01-06S	6	R1/8	10	16.8	12.8	17.6	71.9	65.9	69.9	63.9	45.8	39.8	26.5	23.4	17	19	22
ASV310F-01-08S	8						73.8	67.8	71.8	65.8							
ASV310F-02-06S	6						16.8	12.8	17.6	71.9							
ASV310F-02-08S	8	R1/8	12	19.3	15.2	24	83.1	75.6	81.1	73.6	52.8	45.3	29.8	26.7	19	21	31
ASV410F-01-08S	8						85.2	77.7	83.2	75.7							
ASV410F-01-10S	10						23.3	18.5	24	83.1							
ASV410F-02-08S	8	R1/4	14	19.3	15.2	24	85.2	77.7	83.2	75.7	52.8	45.3	34.2	28.7	19	21	47
ASV410F-02-10S	10						85.2	77.7	83.2	75.7							
ASV410F-03-08S	8						23.3	18.5	24	83.1							
ASV410F-03-10S	10	R3/8	17	23.3	18.5	24	85.2	77.7	83.2	75.7	52.8	45.3	35.6	30.4	21	23	63
ASV510F-02-10S	10						88.2	82.2	86.2	80.2							
ASV510F-02-12S	12						25.7	20.9	30	89.8							
ASV510F-03-10S	10	R3/8	17	23.3	18.5	30	88.2	82.2	86.2	80.2	53.6	47.6	40.7	35.5	21	23	73
ASV510F-03-12S	12						89.8	83.8	87.8	81.8							
ASV510F-04-10S	10						23.3	18.5	30	88.2							
ASV510F-04-12S	12	R1/2	22	25.7	20.9	30	89.8	83.8	87.8	81.8	53.6	47.6	44.9	37.6	22	24	100
							25.7	20.9	30	89.8							

* Dimension with cover Note 1) Reference dimension of "R" thread after installation. Note 2) L1, L2, L3: Reference dimensions

Inch Size

Model	Applicable tubing O.D. ød	T	H	D1*	D2	D3	L1*		L2		L3		A1(2)	A1(1)	M1	M2*	Weight (g)
							Max.	Min.	Max.	Min.	Max.	Min.					
ASV310F-N01-07	1/4"	NPT1/8	12.7	17.2	13.2	17.6	73	67	71	65	45.8	39.8	26.5	23.4	16.8	18.8	22
ASV310F-N01-09	5/16"						73.8	67.8	71.8	65.8							
ASV310F-N02-07	1/4"						17.2	13.2	17.6	73							
ASV310F-N02-09	5/16"	NPT1/4	14.3	19.3	15.2	17.6	73.8	67.8	71.8	65.8	45.8	39.8	30.9	25.4	19	21	31
ASV410F-N01-09	5/16"						83.1	75.6	81.1	73.6							
ASV410F-N01-11	3/16"						23.3	18.5	24.4	85.2							
ASV410F-N02-09	5/16"	NPT1/4	14.3	19.3	15.2	24.4	83.1	75.6	81.1	73.6	52.8	45.3	34.2	28.7	19	21	47
ASV410F-N02-11	3/16"						85.2	77.7	83.2	75.7							
ASV410F-N03-09	5/16"						23.3	18.5	24.4	83.1							
ASV410F-N03-11	3/16"	NPT3/8	17.5	19.3	15.2	24.4	85.2	77.7	83.2	75.7	52.8	45.3	35.6	30.4	19	21	63
ASV510F-N02-11	3/16"						88.2	82.2	86.2	80.2							
ASV510F-N02-13	1/2"						26.5	21.7	30	89.8							
ASV510F-N03-11	3/16"	NPT3/8	17.5	23.3	18.5	30	88.2	82.2	86.2	80.2	53.6	47.6	40.7	35.5	21	23	73
ASV510F-N03-13	1/2"						89.8	83.8	87.8	81.8							
ASV510F-N04-11	3/16"						23.3	18.5	30	88.2							
ASV510F-N04-13	1/2"	NPT1/2	22.2	26.5	21.7	30	89.8	83.8	87.8	81.8	53.6	47.6	44.9	37.6	21	23	95
							26.5	21.7	30	89.8							

* Dimension with cover Note 1) Reference dimension of "NPT" thread after installation. Note 2) L1, L2, L3: Reference dimensions

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