

High maximum flow, progressive flow gain, and positive tube grip

Silicone free 'O'-ring seals

Non-PTFE based thread sealant on all BSP taper threads (VA0, VB0, TA0)

Easy tube insertion for rapid assembly

For simple and quick assembly of pneumatic circuits

Wide range available

Reliable and corrosion resistant



Technical data

Fluid:

Compressed air

Operating pressure:

5 to 150 psig (.3 to 10 bar) unless otherwise stated (dependent upon tubing specification).

Temperature range:

0° to 175°F (-20° to 80°C).

Materials

Body: Nickel plated brass, glass

filled nylon, or PBT

Collet: Nickel plated brass

Grabring: stainless steel

'O'-ring: Silicone free nitrile rubber

Sealing washer (parallel threads):

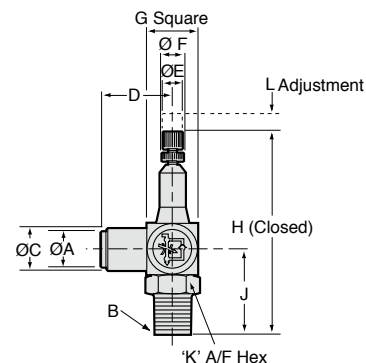
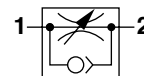
Nitrile 'O'-ring

Thread sealant: non-PTFE

Tube types

Nylon 11 or 12, polyurethane

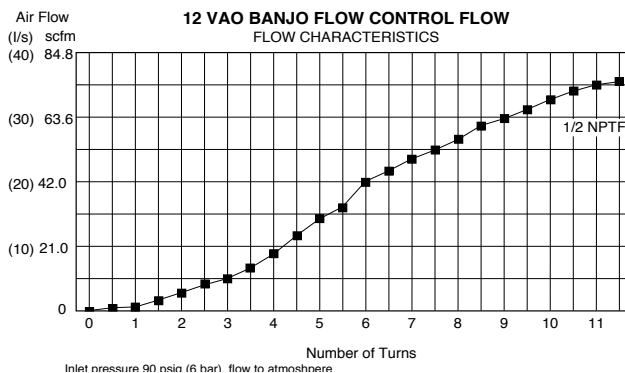
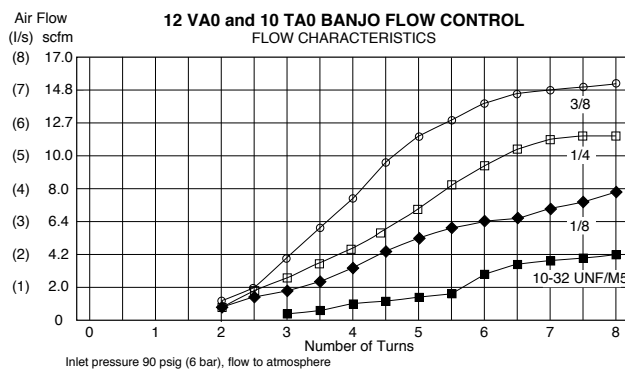
(95 durometer and 85 durometer on C0 and C2 models)

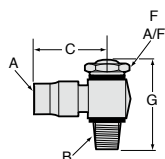


VA0 and TA0 Series

A O.D. tube	B NPT or UNF thread	Part number	C	D	E	F	G	H	J	K A/F	L Adj
5/32"	10-32 UNF	12VA00210	0.37	1.04	0.16	0.28	0.38	1.51	0.45	—	0.12
5/32"	1/8	12VA00218	0.45	0.87	0.31	0.35	0.63	2.09	0.89	9/16"	0.12
1/4"	1/8	12VA00418	0.51	0.91	0.31	0.35	0.63	2.09	0.89	9/16"	0.12
1/4"	1/4	12VA00428	0.53	1.00	0.39	0.43	0.79	2.64	1.16	11/16"	0.24
3/8"	1/4	12VA00628	0.77	1.24	0.39	0.43	0.79	2.64	1.16	11/16"	0.24
3/8"	3/8	12VA00638	0.77	1.28	0.47	0.51	0.87	3.07	1.30	3/4"	0.24
1/2"	1/2"	12VA00748	0.91	1.50	0.63	0.71	1.06	3.66	1.65	7/8"	0.28

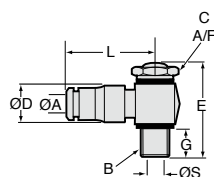
A O.D. tube	B ISO R thread	Part number	C	D	E	F	G	H	J	K A/F	L Adj
4	1/8	10TA00418	11.5	22.0	8.0	9.0	16	53	22.5	14	3
6	1/8	10TA00618	13.0	23.0	8.0	9.0	16	53	22.5	14	3
6	1/4	10TA00628	13.5	25.5	10.0	11.0	20	67	29.5	17	6
8	1/4	10TA00828	15.5	27.0	10.0	11.0	20	67	29.5	17	6
8	3/8	10TA00818	15.5	28.0	12.0	13.0	22	78	33.0	19	6
8	3/8	10TA00838	15.5	28.0	12.0	13.0	22	78	33.0	19	6
10	1/4	10TA01028	19.5	31.5	10.0	11.0	20	67	29.5	17	6
10	3/8	10TA01038	19.5	32.5	12.0	13.0	22	78	33.0	19	6
12	1/2	10TA01248	19.5	32.5	12.0	13.0	22	78	33.0	19	6





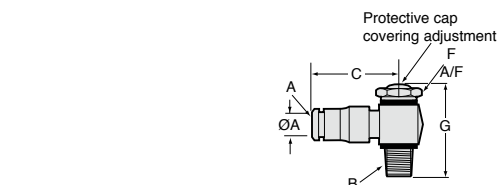
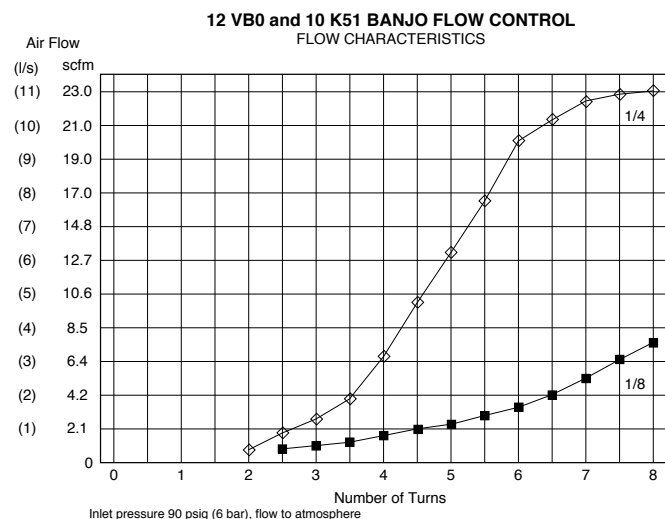
VB0 Series

A NPT female	B NPT male	Part number	C	F	G
1/8	1/8	12VB01818	0.83	9/16"	1.57
1/4	1/4	12VB02828	1.14	3/4"	1.83
3/8	3/8	12VB03838	1.24	7/8"	2.22
1/2	1/2	12VB04848	1.53	1 1/16"	2.55



K51 Series

A O.D. tube	B ISO G or Metric thread	Part number	C A/F	D	E	G	L	S
4	M5 X .8	10K510405	8	9.5	26.5	4.0	18.7	2.5
4	1/8	10K510418	14	11.0	34.0	6.5	20.6	5.0
5	M5 X .8	10K510505	8	11.0	26.5	4.0	20.2	2.5
5	1/8	10K510518	14	11.5	34.0	6.5	21.7	5.0
6	M5 X .8	10K510605	8	12.5	26.5	4.0	22.2	2.5
6	1/8	10K510618	14	12.5	34.0	6.5	23.7	5.0
6	1/4	10K510628	17	13.0	36.5	7.0	24.2	8.5
8	1/8	10K510818	14	13.5	34.0	6.0	23.7	—
8	1/4	10K510828	17	14.0	36.5	7.0	24.7	8.5
8	3/8	10K510838	22	16.5	51.5	10.0	26.7	10.0
10	1/4	10K511028	22	16.5	51.5	10.0	26.7	10.0
10	3/8	10K511038	22	17.0	51.5	10.0	31.2	10.0
12	3/8	10K511238	27	17.5	57.5	10.0	38.2	—
12	1/2	10K511248	27	17.5	57.5	10.0	38.2	—



VB0 Series

A O.D. tube	B NPT or UNF thread	Part number	C	F A/F	G
5/32"	10-32 UNF	12VB00210	0.74	—	1.06
5/32"	1/8	12VB00218	0.88	9/16"	1.57
1/4"	1/8	12VB00418	0.91	9/16"	1.57
1/4"	1/4	12VB00428	0.99	3/4"	1.83
3/8"	1/4	12VB00628	1.23	3/4"	1.83
3/8"	3/8	12VB00638	1.29	7/8"	2.22
1/2"	3/8	12VB00738	1.46	7/8"	2.22
1/2"	1/2	12VB00748	1.56	1 1/16"	2.55

