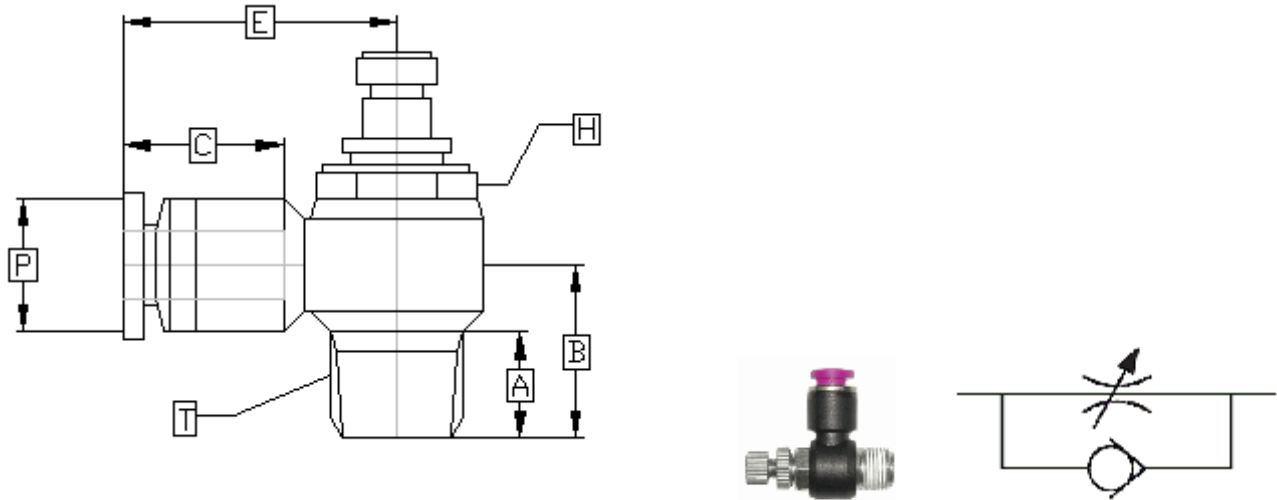


Angle Air Control Valve – Speed Control (CV) Push-In Fitting Specifications:

Dimensions for Reference Use Only: Imperial fittings in Inch, Metric fittings in mm, U.S.O



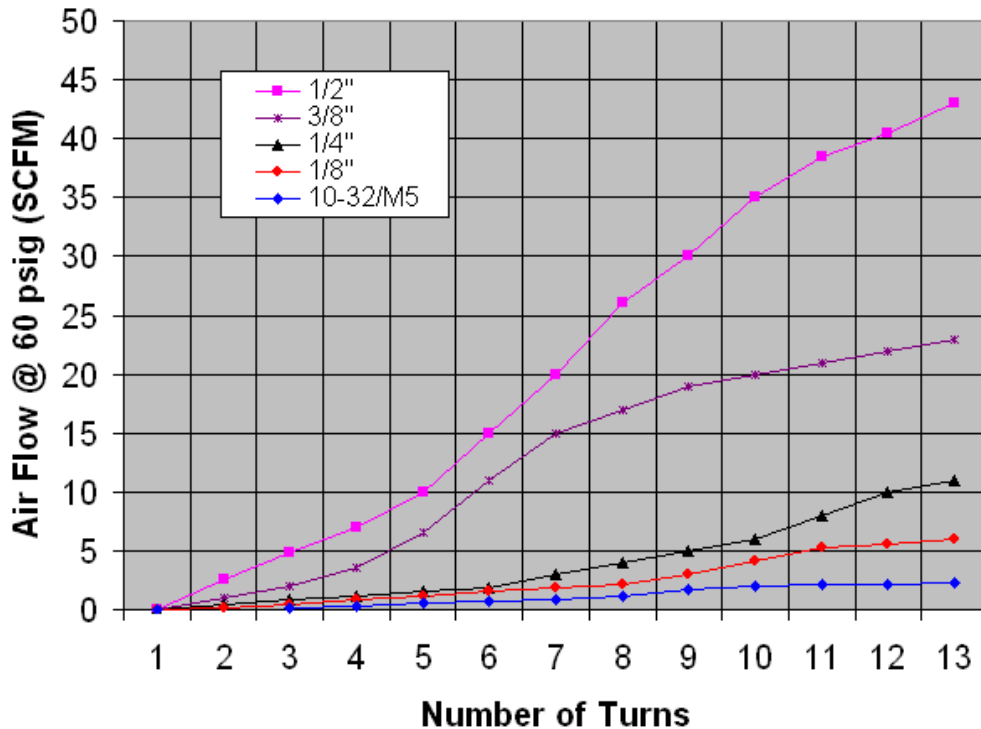
- Complete rotation of the valve body around the bolt allows for optimum positioning of tubing
- Compact in size provide space saving installations
- Special adjustment needle design allows large adjustment ranges with high precision
- Adjustment needles and banjo bodies are retained, preventing accidental loss of needle or lock nut

Angle Air Flow Control Valve (Speed Control)

PART NO.	TUBE OD	T PIPE SIZE	A	B	C	D	E	H	P	WEIGHT (g)
CV 1/8 10-32	1/8	10-32UNF	0.16	0.43	0.47	0.16	0.80	0.31	0.42	8.0
CV 1/8 N1/8	1/8	NPT 1/8	0.34	0.55	0.56	0.16	0.87	0.44	0.43	18.0
CV 5/32 10-32	5/32	10-32UNF	0.16	0.43	0.47	0.16	0.80	0.31	0.42	8.0
CV 5/32 N1/8	5/32	NPT1/8	0.34	0.55	0.56	0.16	0.87	0.44	0.43	18.0
CV 3/16 N1/8	3/16	NPT1/8	0.34	0.56	0.56	0.19	0.95	0.38	0.45	18.0
CV 1/4 10-32	1/4	10-32UNF	0.21	0.46	0.60	0.26	0.94	0.31	0.52	9.0
CV 1/4 N1/8	1/4	NPT1/8	0.34	0.58	0.60	0.26	0.94	0.44	0.52	18.6
CV 1/4 N1/4	1/4	NPT1/4	0.42	0.71	0.61	0.26	1.04	0.56	0.51	36.4
CV 1/4 N3/8	1/4	NPT3/8	0.61	0.85	0.60	0.26	1.10	0.74	0.51	69.1
CV 5/16 N1/8	5/16	NPT1/8	0.34	0.57	0.65	0.32	1.00	0.38	0.57	19.4
CV 5/16 N1/4	5/16	NPT1/4	0.49	0.72	0.63	0.32	1.05	0.55	0.57	37.3
CV 5/16 N3/8	5/16	NPT3/8	0.59	0.87	0.61	0.32	1.13	0.74	0.58	69.4
CV 3/8 N1/4	3/8	NPT1/4	0.40	0.81	0.74	0.38	1.27	0.56	0.72	41.5
CV 3/8 N3/8	3/8	NPT3/8	0.47	0.88	0.71	0.38	1.28	0.74	0.72	71.6
CV 3/8 N1/2	3/8	NPT1/2	0.64	0.99	0.74	0.38	1.40	0.94	0.71	101.6
CV 1/2 N3/8	1/2	NPT3/8	0.59	0.98	0.82	0.50	1.35	0.74	0.83	75.4

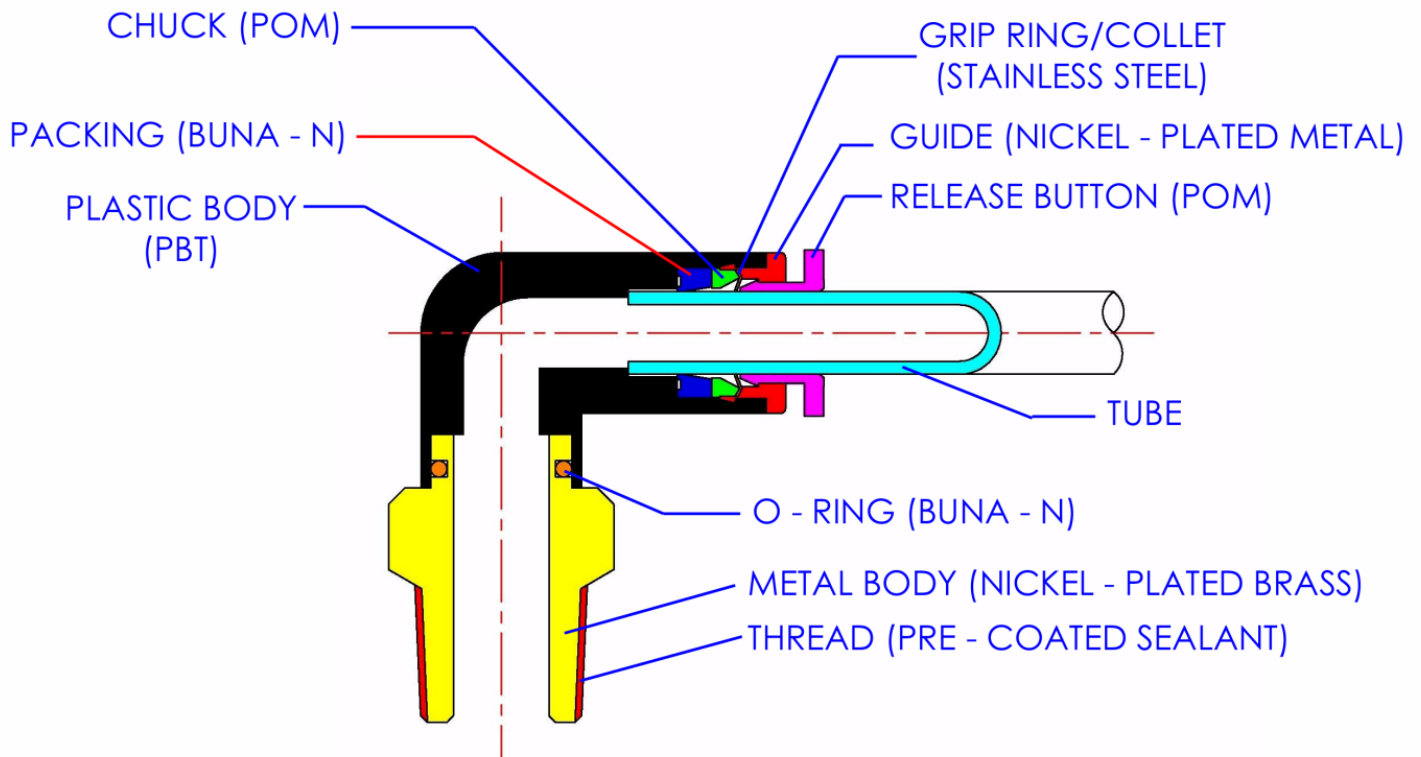
CV 1/2 N1/2	1/2	NPT1/2	0.66	1.03	0.77	0.50	1.45	0.95	0.85	104.8
Part No.	Tube OD	T Pipe Size	A	B	C	D	E	H	P	WEIGHT (g)
CV 4 M5	4	M5	4.7	11.4	23.3	4.1	20.1	8.0	10.7	8.9
CV 4 M6	4	M6	5.2	10.6	13.9	4.1	20.2	8.0	10.6	9.1
CV 4 R1/8	4	R1/8	8.6	14.0	13.7	4.1	22.4	9.9	10.5	17.7
CV 4 R1/4	4	R1/4	0.5	0.7	0.6	0.2	26.3	14.0	12.8	36.8
CV 6 M5	6	M5	4.5	12.5	14.9	6.1	23.8	8.0	13.0	9.7
CV 6 M6	6	M6	5.8	11.5	15.1	5.2	22.4	7.1	11.9	9.8
CV 6 R1/8	6	R1/8	8.6	14.4	14.9	6.1	23.7	9.9	13.1	18.3
CV 6 R1/4	6	R1/4	12.1	18.1	14.9	6.1	26.0	14.0	13.1	36.4
CV 6 R3/8	6	R3/8	13.3	19.7	15.3	6.1	27.5	18.9	13.1	71.7
CV 8 R1/8	8	R1/8	8.5	14.6	15.9	8.2	25.5	9.9	14.6	19.1
CV 8 R1/4	8	R1/4	11.4	17.9	15.9	8.1	26.9	14.1	14.6	37.6
CV 8 R3/8	8	R3/8	13.4	20.4	16.1	8.0	29.4	19.0	14.5	73.0
CV 8 R1/2	8	R1/2	16.2	23.5	15.0	8.2	31.2	23.9	14.6	104.3
CV 10 R1/4	10	R1/4	11.5	20.7	19.1	10.1	31.7	14.0	18.3	40.3
CV 10 R3/8	10	R3/8	13.1	22.0	18.5	10.1	32.6	18.9	18.4	74.9
CV 10 R1/2	10	R1/2	16.1	24.7	19.1	9.9	35.8	23.9	18.1	108.3
CV 12 R1/4	10	R1/4	11.3	21.6	20.4	12.1	31.7	13.9	21.3	43.1
CV 12 R3/8	12	R3/8	13.0	23.2	21.0	12.2	35.4	19.1	21.0	77.2
CV 12 R1/2	12	R1/2	16.6	26.4	21.5	12.0	38.7	23.9	20.9	110.0

Angle Air Flow Control Valve Flow Characteristics



Specifications, Materials of Construction and Schematic of Typical Construction:

	Composite Fittings	
	(Standard-Purple Button)	(K Series-Black Button)
Operating Pressure Range	0 - 150 PSI (0 - 990 kpa)	0 - 180 PSI (0 - 1200 kpa)
Vacuum	0 - 29.5 in Hg (750 mm Hg)	
Operating Temperature	32 - 140 °F (0 - 60 °C)	
Recommended Tubing Material	Polyurethane, Nylon, Polyethylene, Polypropylene	
Metal Body	Brass, Nickel Plated	
Plastic Body	PBT (Polybutylene terephthalate)	
Release Button	POM (Poly oxy methylene copolymer)	
Grip Ring or Collet	300 series Stainless Steel	
O-ring	NBR (Buna-N)	
Thread Sealant	Teflon	
Service	FOR AIR ONLY	



SCHEMATIC OF TYPICAL COMPOSITE FITTING CONSTRUCTION