

KOMBAT SHUTOFF & Cv TABLES

ACTUATOR SHUTOFF TABLE

(Refer to Temperature Limits)

Size	Orifice	Act. Size	Bench Range	Reverse Shutoff, K1,K4*			Bench Range	Direct Shutoff, K1,K4*			Shutoff, K5,K6
				3-15 psi	0-20 psi†	0-30 psi‡		3-15 psi	0-20 psi†	0-30 psi‡	
1/2	A, C, E	36	6-15	0-400	0-400	—	3-12	0-400	0-400	—	0-400
	B	36	6-15	0-400	0-400	—	3-12	0-300	0-400	—	
			—	—	—	—	3-9	301-400	400	—	
T	36	6-15	0-300	0-400	—	3-9	0-400	0-400	—		
3/4	T	36	6-15	0-100	0-300	—	3-9	0-250	0-400	—	0-400
			9-15	101-225	301-350	—	—	—	—	—	
			12-15	226-300	351-400	—	—	—	—	—	
		60	12-15	0-400	0-400	—	3-7	0-400	0-400	—	
1	T	36	9-15	0-150	0-250	—	3-9	0-100	0-200	—	0-330
			12-15	151-250	251-400	—	—	—	—	—	
			13-15	251-400	400	—	—	—	—	—	
		60	—	—	—	—	3-7	0-400	0-400	—	
1-1/4	T	36	9-15	0-150	0-175	—	3-9	0-150	0-250	—	0-210
			12-15	151-200	176-250	—	—	—	—	—	
			13-15	201-250	251-275	—	—	—	—	—	
		60	12-15	0-300	0-400	—	3-7	0-300	0-400	—	
			13-15	301-400	0-400	—	—	—	—	—	
1-1/2	T	36	12-15	0-150	0-225	—	—	—	—	—	0-161
			13-15	151-200	226-250	—	—	—	—	—	
		60	12-15	0-225	0-275	—	3-7	0-200	0-400	—	
			13-15	226-275	276-300	—	—	—	—	—	
2	T	36	12-15	0-50	0-75	—	—	—	—	—	0-121
			13-15	51-75	76-100	—	—	—	—	—	
		60	12-15	0-125	0-200	—	3-7	0-100	0-300	—	
			13-15	126-175	201-250	—	—	—	—	—	
2-1/2	T	60	10-15	0-75	—	0-100	3-8	0-70	—	0-200	—
			12-15	76-125	—	101-125	3-8	0-70	—	0-200	
			22-30	—	—	125	3-8	0-70	—	0-200	
3	T	60	10-15	0-40	—	0-60	3-8	0-40	—	0-100	—
			12-15	41-60	—	0-80	3-8	0-40	—	0-100	
			22-30	—	—	81-110	3-8	0-40	—	0-100	
4	T	60	12-15	0-20	—	0-32	3-8	0-10	—	0-25	—
			22-30	—	—	33-50	3-8	0-10	—	0-25	

* Shutoff pressures are in conformance with ANSI/FCI 70-2 Class IV

† Based on 20 psi air supply.

Reverse Acting - Fail Closed/Air to Open (FC/ATO)

‡ Based on 30 psi air supply.

Direct Acting - Fail Open/Air to Close (FO/ATC)

Cv TABLE

PERCENT OF TRAVEL			5	10	20	30	40	50	60	70	80	90	100
Valve Size	Travel	Orifice	Cv										
1/2	1/4	C	0.1	0.2	0.3	0.36	0.41	0.46	0.51	0.56	0.6	0.65	0.7
		E	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2	2.1
		A	0.3	0.6	1.2	1.7	2.2	2.6	2.9	3.1	3.2	3.25	3.3
		B	0.15	0.25	0.65	1.5	2.7	3.3	3.7	3.9	4.1	4.2	4.3
		T	0.7	1.2	2.0	2.7	3.2	3.8	4.3	4.7	4.9	5.1	5.2
3/4	5/16	T	0.7	1.3	2.4	3.3	4.2	4.9	5.5	6.0	6.4	6.8	7.0
1	1/4	T	0.7	1.3	2.4	3.8	5.5	7.4	9.0	10.0	10.6	10.9	11.0
1-1/4	5/16	T	0.8	1.7	4.0	6.5	9.3	12.6	15.3	17.0	18.1	19.1	20.0
1-1/2	5/16	T	1.0	2.0	4.5	7.2	9.9	12.4	15.2	18.2	20.9	23.4	25.0
2	5/16	T	1.0	2.0	4.5	7.4	10.6	15.1	18.8	22.8	26.1	28.3	30.0
2-1/2	3/4	T	5	11	23	36	46	53	59	62.5	65.7	68	71
3	3/4	T	5	11	30	47	61	72	79	85	90	92	94
4	3/4	T	12	23	46	69	89	104	116	127	134	140	146