



ANSI 150 Valve Size		Coefficient	Valve Rotation, Degrees								
DN	NPS		10	20	30	40	50	60	70	80	90
80	3	Cv	2.8	6.8	13.3	22.0	33.1	49.4	70.6	98.9	141
100	4		5.2	12.4	24.3	40.2	60.6	90.5	129.3	181.0	258
150	6		15.3	36.8	72.1	119.3	179.7	268.3	383.3	536.6	765
200	8		30.8	73.8	144.6	239.3	360.6	538.3	769.0	1076.7	1535
250	10		45.5	109.1	213.6	353.6	532.7	795.4	1136.3	1590.8	2268
300	12		71.8	172.4	337.7	558.9	842.1	1257.3	1796.1	2514.5	3585
350	14		94.7	227.3	445.0	736.7	1109.9	1657.1	2367.2	3314.1	4725
400	16		149.8	359.5	704.1	1165.4	1755.8	2621.5	3745.0	5243.0	7475
450	18		181.0	434.3	850.5	1407.9	2121.1	3166.8	4524.0	6333.7	9030
500	20		223.6	536.8	1051.1	1739.9	2621.4	3913.8	5591.2	7827.7	11160
600	24		326.7	784.0	1535.3	2541.3	3828.8	5716.4	8166.3	11432.9	16300

ANSI 300 Valve Size		Coefficient	Valve Rotation, Degrees								
DN	NPS		10	20	30	40	50	60	70	80	90
80	3	Cv	2.8	6.8	13.3	22.0	33.1	49.4	70.6	98.9	141
100	4		5.2	12.4	24.3	40.2	60.6	90.5	129.3	181.0	258
150	6		15.3	36.8	72.1	119.3	179.7	268.3	383.3	536.6	765
200	8		30.8	73.8	144.6	239.3	360.6	538.3	769.0	1076.7	1535
250	10		45.5	109.1	213.6	353.6	532.7	795.4	1136.3	1590.8	2268
300	12		71.8	172.4	337.7	558.9	842.1	1257.3	1796.1	2514.5	3585
350	14		87.9	211.0	413.3	684.1	1030.7	1538.9	2198.4	3077.8	4388
400	16		128.1	307.3	601.9	996.3	1501.0	2241.0	3201.4	4482.0	6390
450	18		168.8	405.2	793.5	1313.5	1979.0	2954.7	4220.9	5909.3	8425
500	20		208.7	500.8	980.8	1623.5	2445.9	3651.9	5216.9	7303.7	10413
600	24		301.5	723.6	1417.1	2345.6	3534.0	5276.3	7537.6	10552.6	15045





Valve Size		Coefficient	Fd Values for Noise Calculations, % of Max Cv				
DN	NPS		5%	10%	20%	40%	80.50%
80	3	F_d	0.32	0.24	0.17	0.20	0.42
100	4		0.30	0.23	0.16	0.20	0.42
150	6		0.35	0.26	0.18	0.22	0.45
200	8		0.20	0.15	0.11	0.25	0.50
250	10		0.18	0.13	0.09	0.25	0.50
300	12		0.16	0.11	0.06	0.25	0.50
350	14		0.16	0.11	0.06	0.28	0.50
400	16		0.15	0.10	0.04	0.30	0.55
450	18		0.12	0.08	0.04	0.30	0.57
500	20		0.10	0.07	0.03	0.30	0.57
600	24		0.10	0.06	0.03	0.30	0.57

