

Steam Valve  
Sizing Chart

Two-position applications use nominal pressure drop of 80%.  
Modulating applications use a nominal pressure drop of 50%

1/21/2008

Coil B.T.U. Per Hour	Pounds of Steam	STEAM SUPPLY PRESSURE							
		2 P.S.I.	5 P.S.I.	10 P.S.I.	15 P.S.I.	2 P.S.I.	5 P.S.I.	10 P.S.I.	15 P.S.I.
		80% NOMINAL DROP				50% NOMINAL DROP			
		<b>Cv</b>	<b>Cv</b>	<b>Cv</b>	<b>Cv</b>	<b>Cv</b>	<b>Cv</b>	<b>Cv</b>	<b>Cv</b>
2,000	2	0.14	0.08	0.06	0.05	0.17	0.10	0.07	0.05
4,000	4	0.27	0.17	0.12	0.09	0.34	0.20	0.13	0.10
6,000	6	0.41	0.25	0.17	0.14	0.50	0.30	0.20	0.15
8,000	8	0.54	0.34	0.23	0.18	0.67	0.41	0.27	0.21
10,000	10	0.68	0.42	0.29	0.23	0.84	0.51	0.34	0.26
15,000	15	1.02	0.63	0.43	0.34	1.26	0.76	0.50	0.39
20,000	20	1.36	0.84	0.58	0.46	1.68	1.02	0.67	0.52
25,000	25	1.70	1.05	0.72	0.57	2.10	1.27	0.84	0.65
30,000	30	2.03	1.26	0.87	0.69	2.52	1.52	1.01	0.77
35,000	35	2.37	1.47	1.01	0.80	2.94	1.78	1.18	0.90
40,000	40	2.71	1.68	1.15	0.91	3.37	2.03	1.34	1.03
45,000	45	3.05	1.89	1.30	1.03	3.79	2.29	1.51	1.16
50,000	50	3.39	2.10	1.44	1.14	4.21	2.54	1.68	1.29
60,000	60	4.07	2.52	1.73	1.37	5.05	3.05	2.02	1.55
70,000	70	4.75	2.94	2.02	1.60	5.89	3.56	2.35	1.81
80,000	80	5.43	3.37	2.31	1.83	6.73	4.07	2.69	2.07
90,000	90	6.10	3.79	2.60	2.06	7.57	4.57	3.02	2.32
100,000	100	6.78	4.21	2.88	2.29	8.41	5.08	3.36	2.58
110,000	110	7.46	4.63	3.17	2.52	9.25	5.59	3.69	2.84
120,000	120	8.14	5.05	3.46	2.74	10.10	6.10	4.03	3.10
130,000	130	8.82	5.47	3.75	2.97	10.94	6.61	4.37	3.36
140,000	140	9.49	5.89	4.04	3.20	11.78	7.12	4.70	3.62
150,000	150	10.17	6.31	4.33	3.43	12.62	7.62	5.04	3.87
175,000	175	11.87	7.36	5.05	4.00	14.72	8.90	5.88	4.52
200,000	200	13.56	8.41	5.77	4.57	16.83	10.17	6.72	5.17
225,000	225	15.26	9.46	6.49	5.15	18.93	11.44	7.56	5.81
250,000	250	16.95	10.52	7.21	5.72	21.03	12.71	8.40	6.46
275,000	275	18.65	11.57	7.93	6.29	23.13	13.98	9.24	7.10
300,000	300	20.34	12.62	8.65	6.86	25.24	15.25	10.08	7.75
325,000	325	22.04	13.67	9.37	7.43	27.34	16.52	10.92	8.40
350,000	350	23.74	14.72	10.09	8.01	29.44	17.79	11.76	9.04
375,000	375	25.43	15.77	10.81	8.58	31.55	19.06	12.59	9.69
400,000	400	27.13	16.83	11.54	9.15	33.65	20.33	13.43	10.33
425,000	425	28.82	17.88	12.26	9.72	35.75	21.60	14.27	10.98
450,000	450	30.52	18.93	12.98	10.29	37.86	22.87	15.11	11.62
475,000	475	32.21	19.98	13.70	10.86	39.96	24.15	15.95	12.27