

ANNUAL COST OF AIR LEAKS

Leak Rate

Upstream Pressure (PSIG)	Leak Diameter (Inches)										
	1/64	1/32	1/16	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1
	Leak Rate (CFM of Free Air)										
15	0.105	0.42	1.7	6.7	26.9	60	108	168	242	329	430
20	0.123	0.49	2.0	7.9	31.4	71	126	196	283	385	503
25	0.140	0.56	2.2	9.0	35.9	81	144	225	323	400	575
30	0.158	0.63	2.5	10.1	40.5	91	162	253	364	496	647
40	0.193	0.77	3.1	12.4	49.5	111	198	309	446	607	792
50	0.229	0.92	3.7	14.6	58.6	132	234	366	527	718	937
60	0.264	1.06	4.2	16.9	67.6	152	271	423	609	828	1,082
70	0.300	1.20	4.8	19.2	76.7	173	307	479	690	939	1,227
80	0.335	1.34	5.4	21.4	85.7	193	343	536	772	1,050	1,372
90	0.370	1.48	5.9	23.7	94.8	213	379	592	853	1,161	1,517
100	0.406	1.62	6.5	26.0	104	234	415	649	935	1,272	1,661
110	0.441	1.76	7.1	28.2	113	254	452	706	1,016	1,383	1,806
120	0.476	1.91	7.6	30.5	122	274	488	762	1,097	1,494	1,951
125	0.494	1.98	7.9	31.6	126	285	506	790	1,138	1,549	2,024
130	0.512	2.05	8.2	32.7	131	295	524	819	1,179	1,605	2,096
140	0.547	2.19	8.8	35.0	140	315	560	875	1,260	1,716	2,241
150	0.582	2.33	9.3	37.3	149	335	596	932	1,342	1,827	2,386

ANNUAL COST OF AIR LEAKS (CONTINUED)

Annual Cost of Air Leaks

ANNUAL COST OF AIR LEAKS											
Cost of Energy = 0.05 \$ per kWh			Compressor Efficiency = 4 CFM per BHP								
Upstream Pressure (PSIG)	Leak Diameter (Inches)										
	1/64	1/32	1/16	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1
Leak Rate (CFM of Free Air)											
15	\$ 8.71	\$ 34.82	\$ 139.29	\$ 557.17	\$ 2,228.66	\$ 5,014.49	\$ 8,914.64	\$13,929.13	\$ 20,057.94	\$ 27,301.09	\$ 35,658.57
20	10.17	40.69	162.74	650.96	2,603.86	5,858.68	10,415.42	16,274.10	23,434.70	31,897.23	41,661.69
25	11.64	46.55	186.19	744.76	2,979.05	6,702.87	11,916.21	18,619.07	26,811.46	36,493.38	47,664.82
30	13.10	52.41	209.64	838.56	3,354.25	7,547.05	13,416.99	20,964.04	30,188.22	41,089.52	53,667.95
40	16.03	64.13	256.54	1,026.16	4,104.64	9,235.43	16,418.55	25,653.98	36,941.74	50,281.81	65,674.20
50	18.96	75.86	303.44	1,213.76	4,855.03	10,923.81	19,420.11	30,343.93	43,695.25	59,474.09	77,680.45
60	21.90	87.58	350.34	1,401.35	5,605.42	12,612.19	22,421.68	35,033.87	50,488.77	68,666.38	89,686.70
70	24.83	99.31	397.24	1,588.95	6,355.81	14,300.57	25,423.24	39,723.81	57,202.29	77,858.67	101,692.95
80	27.76	111.03	444.14	1,776.55	7,106.20	15,988.95	28,424.80	44,413.75	63,955.80	87,050.94	113,699.21
90	30.69	122.76	491.04	1,964.15	7,856.59	17,677.33	31,426.36	49,103.69	70,709.32	96,243.24	125,705.45
100	33.62	134.48	537.94	2,151.75	8,606.98	19,365.71	34,427.93	53,793.64	77,462.84	105,435.53	137,711.71
110	36.55	146.21	584.84	2,339.34	9,357.37	21,054.09	37,429.49	58,483.58	84,216.35	114,627.81	149,717.96
120	39.48	157.93	631.74	2,526.94	10,107.76	22,742.47	40,431.05	63,173.52	90,969.87	123,820.10	161,724.21
125	40.95	163.80	655.18	2,620.74	10,482.96	23,586.66	41,931.83	65,518.49	94,346.63	128,416.24	167,727.34
130	42.41	169.66	678.63	2,714.54	10,858.15	24,430.85	43,432.62	67,863.46	97,723.39	133,012.39	173,730.47
140	45.35	181.38	725.53	2,902.14	11,608.54	26,119.23	46,434.18	72,553.41	104,476.90	142,204.67	185,736.72
150	48.28	193.11	772.43	3,089.73	12,358.94	27,807.61	49,435.74	77,243.35	111,230.42	151,396.96	197,742.97