



## DISCHARGE OF AIR THROUGH AN ORIFICE

PSI	Diameter of Orifice													
	1/64"	1/32"	1/16"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1-1/4"	1-1/2"	
	Discharge in Cubic Feet Per Minute													
15	.105	.420	1.680	6.72	26.90	60.50	108	168	242	329	430	672	968	
20	.123	.491	1.960	7.86	31.40	70.70	126	196	283	385	503	786	1132	
25	.140	.562	2.250	8.98	35.90	80	144	225	323	440	575	898	1294	
30	.158	.633	2.530	10.10	40.50	91.10	162	253	365	496	648	1013	1458	
35	.176	.703	2.810	11.30	45.00	101	180	281	405	551	720	1125	1620	
40	.194	.774	3.100	12.40	49.60	112	198	310	446	607	793	1238	1784	
45	.211	.845	3.380	13.50	54.10	122	216	338	487	662	865	1352	1946	
50	.229	.916	3.660	14.70	58.60	132	235	366	528	718	938	1466	2111	
60	.264	1.060	4.230	16.90	67.60	152	271	423	609	828	1082	1691	2435	
70	.300	1.200	4.790	19.20	76.70	173	307	479	690	939	1227	1917	2761	
80	.335	1.340	5.360	21.40	85.70	193	343	536	771	1050	1371	2142	3085	
90	.370	1.480	5.920	23.70	94.80	213	379	592	853	1161	1516	2369	3411	
100	.406	1.620	6.490	26	104	234	415	649	934	1272	1661	2595	3737	
125	.494	1.980	7.900	31.6	126	284	506	790	1138	1549	2023	3161	4552	

Air leaks are very costly! One 1/4" air leak at 100 psi will flow 104 CFM which is equivalent to a 25 hp air compressor. The annual energy cost for a leak this size based on \$0.11 kWh is \$20,418.00.