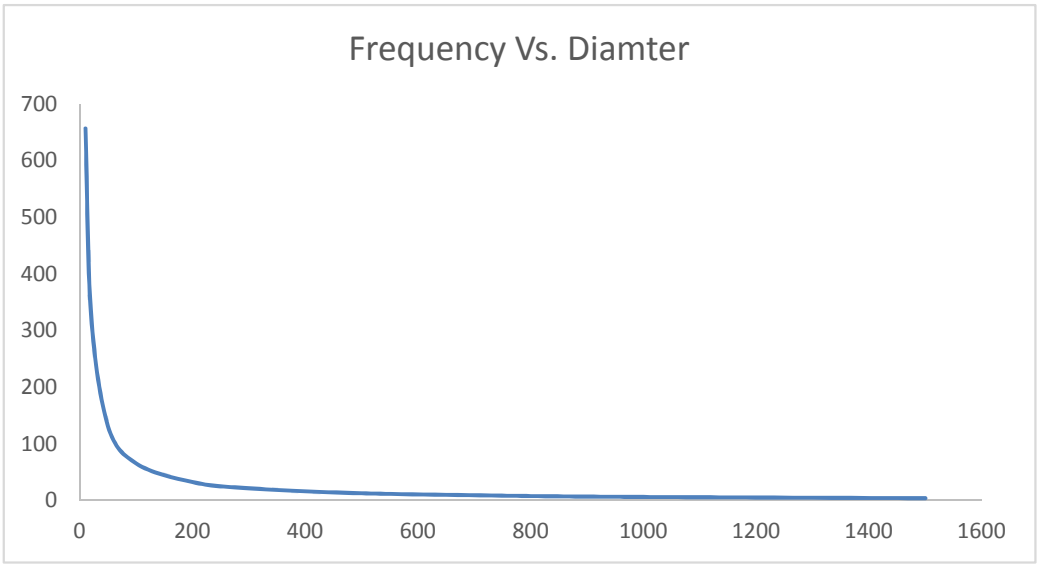
Gamma	1.4	[-]
P_{g0}	101300	Pa
ρ	1000	kg/m3
R		m
f_0		Hz

$$f_0 = (2\pi)^{-1}\sqrt{3\gamma_{rsh}P_{go}/\rho R^2},$$

0.02-20 kHz for Human Audible range

D (μm)	D (m)	V (μL)	V (nL)	f_0 (Hz)	f_0 (kHz)
10	0.00001	5.23E-07	0.000523	656900.7	656.9007
20	0.00002	4.19E-06	0.004187	328450.3	328.4503
50	0.00005	6.54E-05	0.065417	131380.1	131.3801
100	0.0001	0.000523	0.523333	65690.07	65.69007
200	0.0002	0.004187	4.186667	32845.03	32.84503
300	0.0003	0.01413	14.13	21896.69	21.89669
500	0.0005	0.065417	65.41667	13138.01	13.13801
800	0.0008	0.267947	267.9467	8211.259	8.211259
1000	0.001	0.523333	523.3333	6569.007	6.569007
1500	0.0015	1.76625	1766.25	4379.338	4.379338
2000	0.002	4.186667	4186.667	3284.503	3.284503
2500	0.0025	8.177083	8177.083	2627.603	2.627603
1250	0.00125	1.022135	1022.135	5255.206	5.255206


Frequency Vs. Diamter
700
600
500
400
300
200
100
0
0
200
400
600
800
1000
1200
1400
1600