

Voltage [volt]	delta_h [in H2O]	Vel [m/s]	Vel (fit) [m/s]
2.050	0.025	3.26	3.30
2.130	0.040	4.12	4.09
2.205	0.062	5.13	5.05
2.250	0.078	5.75	5.72
2.310	0.103	6.61	6.71
2.350	0.132	7.48	7.44
2.440	0.190	8.98	9.24
2.500	0.270	10.70	10.57
2.550	0.330	11.83	11.75
2.620	0.430	13.51	13.50
2.685	0.555	15.34	15.24
2.735	0.660	16.73	16.66
2.790	0.775	18.13	18.28
2.820	0.860	19.10	19.20
2.840	0.920	19.76	19.82
2.860	0.990	20.49	20.46
2.880	1.050	21.11	21.11
2.890	1.087	21.47	21.43
2.900	1.128	21.88	21.76
2.920	1.182	22.39	22.43

Pair= 748.9 mm Hg = 99915.2 N/m²

Tair= 22.5 oC = 295.65 K

rho_air= 1.17474 kg/m³

4th Degree Polynomial Fit: $y=a+bx+cx^2+dx^3...$

Coefficient Data:

a = 215.873

b = -316.11

c = 167.874

d = -38.79

e = 3.63119

y is the velocity measured in m/s.

x is the voltage measured in volts.