

Material testing using the AP38 air pump with No1 venturi.

**Material** - Corn Kernels

**Weight** - 10 Kgs

**Density** - ?

Method - Self fed funnel into air flow in 40mm pipe created by air pump.

<u>PSI</u>	<u>Time in Seconds</u>			
56.9				
71				
85.3				
97		27.5 sec	34 sec	
	3	5	8	12
	<u>Metres Travelled</u>			



Also tried 5 metres rising up to 1800mm, through 90 degree elbow down into drum. 56 Seconds.

Also tried 5 metres horizontal, 90 degree right hand, gradual rise of 45 degrees for 1 1/2 metres, 90 degrees into drum. - 40 Seconds

Testing with the vent cap closed off restricted proper movement of the product.