Denray Wind Meter

Are your Filters Plugged?

The Wind Meter is designed to give the operators a visual perspective of the condition of the filters. When filters are plugged, they allow much less air to flow through, thus capturing less dust. Not knowing when filters are plugged is the BIG QUESTION.
The industry standard is the Magnehelic Gauge, which Denray has used for years on many tables. Even with the red line on the gauge, many people do not relate with static pressure. Everybody relates with speed.
The Denray Wind Meter box can be used on any downdraft table and any dust booth. New machines are furnished with the Wind Meter with the air speed noted on the box for that machine. For existing machines, we will furnish tags for readings for each machine.

NEW FILTERS verses OLD FILTERS

The readings for new filters will provide the maximum air flow, as filters start to plug, the air speed will decrease. But without any way of measuring airspeed the operators will not be aware of how much air speed loss there is.
General rule of thumb is 1/3 less of new or deep cleaned filters air speed, is the lowest air speed allowed before cleaning filters. *Ex: 600 ft. per min. (fpm) on new filters; 1/3 less = 400 fpm*

Existing Tables

Either with new or deeply cleaned filters, take the air speed reading and write it on the tag, as time goes on, (it may be a day or a week; everybody's operations will be different), you will learn the time it takes to plug the filters. It will be easier to implement a schedule to clean the filters once this information is known.
With the Wind Meter it's so easy to use anybody can see if and when the filters needs to be cleaned.

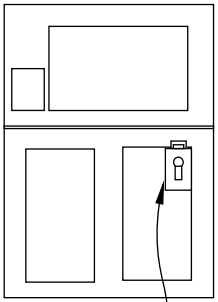
Location of The Meter

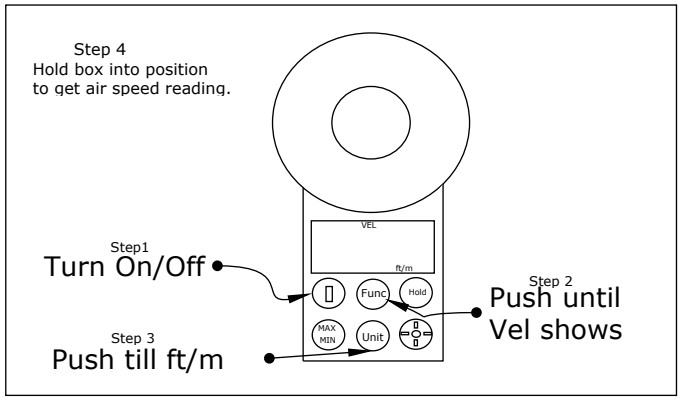
Place the box close to center of table, try to place the Wind Meter in the same area every time. Try to set where the same number of rows of holes will be under the box.
Three rows of holes this time and two rows next time will give entirely different readings.

Denray Booth

Place the Wind Meter in any top corner.
Always read in the same corner

This is to provide Air Speed reading, of clean filters and dirty filters
Look on the side for further information.





Any Size of Downdraft Tables