

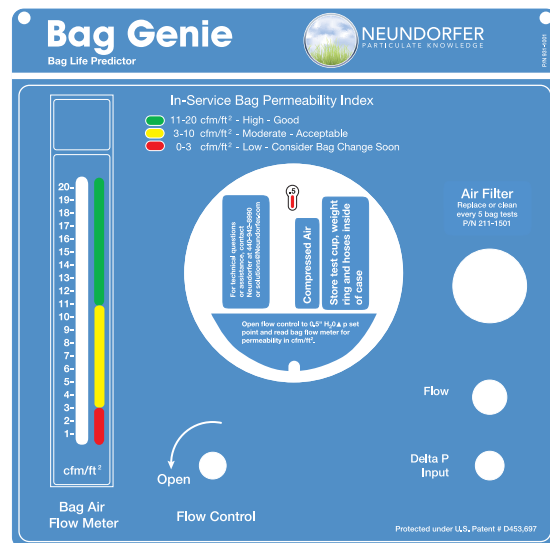
Bag Genie Bag Life Predictor

Onsite Permeability Testing for Fabric Filter Bags

Neundorfer's Bag Genie Bag Life Predictor delivers ASTM baghouse permeability testing onsite in just minutes – avoiding the messy, time-consuming process of shipping sample bags to an outside testing facility and waiting days for results.

When performed on a regular basis, this valuable prognostic air flow information can be used to predict filter bag replacement timing rather than guessing or waiting for a failure to occur. The Bag Genie provides:

- **Maximum bag life and performance based on permeability**
- **Optimized cleaning processes for maximum efficiency and energy savings**
- **Convenient, nondestructive in situ permeability testing with minimal disturbance of the residual dust cake for greater accuracy and lower replacement and shipping costs**
- **Immediate, onsite verification of potentially blinded bags in troubleshooting situations**



The Bag Genie is a multi-function, patented test instrument used for the monitoring of filter bag air flow permeability. Rugged but simple to use and maintain, the Bag Genie provides systematic plotting of air flow permeability versus in-service filtering time to ensure maximum bag life is achieved without fear of unexpected failures resulting from bag “blinding” or flow restriction. During emergency troubleshooting, the Bag Genie can provide air flow permeability data in minutes instead of waiting days for test results from outside laboratories.

To accurately measure true filter bag permeability, an important factor is the residual dust layer. Testing in situ provides a distinct advantage because the bag does not need to be removed from the collector or shipped offsite; this minimizes any alteration to the dust cake. The Bag Genie provides the option of performing the test onsite in minutes with little to no handling. This makes the Bag Genie a convenient, valuable tool for cost-

effective, efficient maintenance and operation of a baghouse.

In addition, the Bag Genie can be used to optimize the filter bag cleaning system for maximum efficiency and energy savings.

The Bag Genie performs much like a baghouse in that it draws air through the bag in the direction of filtration to measure the flow rate. The actual flow rate is referred to as permeability (measured in cfm/ft^2 @ 0.5" H_2O , an ASTM and industry testing standard). The Bag Genie instrument is designed and calibrated to read directly the flow value in cfm/ft^2 without any additional calculation or conversion charts. A detachable test cup fixture with a seal weight provides for ease of handling while providing accurate nondestructive testing of the bags, if desired. All that is required for operation is 110V AC power and a medium-pressure compressed air source.



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