

# “We Test **HEPA Filters** Because They Leak.”

—Dan Milholland  
Expert in HEPA Filter Certification

Leaks have a dramatic effect on your business, on your bottom line. They are a challenge for every operation. The question is, how can you reduce them?



## Loss From a Single Microglass Filter Leak:

Two hours of unplanned downtime:

**\$250,000+ /hour**

Documentation and meetings:

 **\$20,000**

Total Cost: **\$520,000+**

**\$3K - \$20K** Documentation costs associated with a single filter leak

## Time to Address a Leak:



**5-10 MINUTES**  
planned downtime  
for an experienced  
certification team to  
scan a filter



**2 LABOR HOURS**  
unplanned downtime  
to remove, replace,  
and retest a leaking  
microglass HEPA filter

## Hidden Cost of Microglass:

**1% - 3%**

microglass filters  
discovered to have leaks  
during each round of testing

100 microglass filters  
x 3% leak rate:

Three Filters  
**\$20,000**

PER FILTER  
documentation & meetings  
with a single leak

EQUALS  
**\$60,000**

per round of  
semi-annual leak testing

OR  
**\$120,000/yr**  
Total Annual Cost

**You need to understand the cost  
of every leak you experience.**

See what to look for in a HEPA filter to avoid these costs.



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