

## Pressure Activated Passive & The Anti-Blow-Back Passive Cup



### PRESSURE ACTIVATED PASSIVE TESTING AND THE ANTI-BLOW-BACK PASSIVE CUP

Alcolizer Technology has launched two important developments in Passive Testing, a Pressure Activated Sensor and a patented Anti-Blow-Back Passive Cup.

The use of a Pressure Activated Sensor improves the success rate of capturing a passive breath sample from the donor by using the donor's breath pressure to activate sample collection. When the donor blows into the instrument (with the passive cup attached) their breath pressure activates the sensor which then instructs the instrument to take a sample, all in matter of seconds. This means the risk of 'missing' a donor's passive breath sample is greatly reduced leading to a much improved Passive Testing operation.

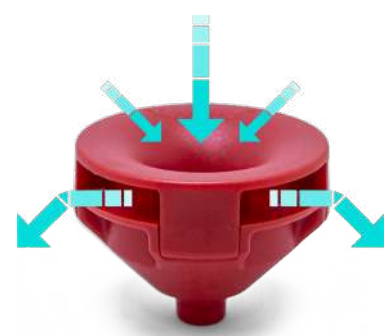
To further optimise Passive Testing, Alcolizer Technology developed and patented an Anti-Blow-Back Passive Cup. Passive Testing is greatly enhanced by using a cup to funnel the donor's breath into the spigot, the downside is when using a standard cup the donor feels their breath blowing back into their face, which is not a pleasant user experience.



To improve the user experience we designed and patented a unique Passive Cup which re-directs and diffuses breath flow away from the donor and operator the anti-blow-back design still maintains the primary feature of a cup, to enhance Passive Test operations, and further reduce risks to the operator. The diagrams below show both cups and airflow directions.



OLD Passive Testing Cup  
design (Blow Back)



NEW Passive Testing Cup  
design with Anti-Blow-Back

When combined, the Pressure Activated Sensor and Patented Anti-Blow-Back Passive Cup create a strong argument for the operational, financial, environmental and user experience improvements of Passive Testing.

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### THE PASSIVE TEST USER EXPERIENCE

Alcolizer Technology included a Passive Test function in the original design brief for the Alcolizer LE5 and has continued to enhance this feature. Historically, users have been concerned with Passive Testing due to the risk of missing a donor sample and potential inaccuracies. Alcolizer Technology has solutions to significantly reduce these risks for you.

Passive Testing has proven to be an efficient, fast and cost effective solution to improve test throughput, optimise test outcomes, significantly reduce waste and greatly improve cost effectiveness. Using the Passive Test feature of the Alcolizer LE5 will decrease operational costs of breath testing per year and reduce landfill waste and CO<sub>2</sub> emissions.

The Alcolizer LE5 and HH4 have a built-in test function which, when activated automatically moves to a Mouthpiece test after every Passive Test fail. This means no added button pressing required for operators after a Passive Test fail from a donor, the Alcolizer LE5 and HH4 do this step automatically. All results and functions are help in the records for future review and audit.

Alcolizer Technology has again demonstrated it is a leader in the field of alcohol breath testing with these new developments in Passive Testing. We continue to drive quality innovation to bring you the best possible solutions for alcohol breath testing.

### THE BENEFITS

- ✓ Supports fast, cost-effective and environmentally friendly Passive Testing
- ✓ Enhanced user and operator experience for Passive Testing
- ✓ Patented Passive Cup re-directs breath flow away from donor and operator
- ✓ The pressure activated cup helps passive testing in outdoor environments
- ✓ Better sampling by using donors breath pressure to activate sample collection

Don't miss out on this opportunity to improve your alcohol breath test processes, reduce cost, **reduce time and reduce waste, contact your local Alcolizer Technology Sales Representative today on 1300 789 908 OR [sales@alcolizer.com](mailto:sales@alcolizer.com)**