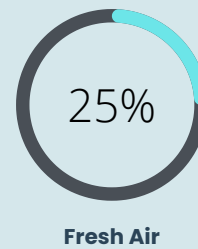
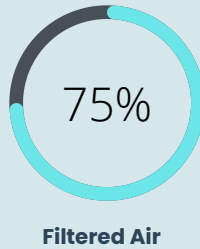
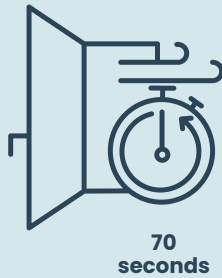


Commuting with BART Air Quality

[Click Here](#) to see our video interview with BART on Air Quality.

AIR FILTRATION

The EPA recommends air filters with a MERV-13 rating or higher to trap Coronavirus particles. As of 2021, all BART cars use virus-trapping **MERV-14 filters** throughout its fleet. Air in a train car is replaced and filtered every 70 seconds. At any given moment, air in a BART train is about 75% filtered air and 25% fresh air drawn from outside the car



WHAT IS A MERV RATING?

MERV stands for Minimum Efficiency Reporting Values, which report a filter's ability to capture larger particles between 0.3 and 10 microns (μm). Filters with higher MERV ratings are better at trapping specific types of particles

UV-C LIGHTING ROD

BART is also exploring other technologies that can kill Coronavirus particles. **Ultraviolet UV-C lighting rods** have been tested inside a legacy train car's undercarriage HVAC (Heating, Ventilation, Air Conditioning) unit. However, its effectiveness is **not reviewed or verified by EPA** as it is considered a pesticide device and does not require registration.

MERV Rating	Average Particle Size Efficiency in Microns
1-4	3.0 - 10.0 less than 20%
6	6.0 - 10.0 49.9%
8	3.0 - 10.0 84.9%
10	1.0 - 3.0 50% - 64.9% 3.0 - 10.0 85% or greater
12	1.0 - 3.0 80% - 89.9% 3.0 - 10.0 90% or greater
14	0.3 - 1.0 75% - 84% 1.0 - 3.0 90% or greater
16	0.3 - 1.0 75% or greater