

TECHNICAL SPECIFICATION

Tunnelvent

Electrostatic filtration for road tunnel ventilation outlets, cleaning the air before it leaves the tunnel. Ready for deployment.



Ready

for deployment at road tunnel ventilation outlets

2 layouts

horizontal or vertical outlet arrangement

Low

resistance through the collectors

HOW IT WORKS

Existing tunnel ventilation fans extract polluted air as they do today. A sealed path and plenum between the fan discharge and the filters makes sure that all of the air passes through arrays of electrostatic precipitator (ESP) collectors, which capture fine particles before the air is released at the outlet.

DESIGNED FOR TUNNEL OPERATORS

- **Low resistance**, which matters for the safety provisions in the event of a tunnel fire
- **Horizontal-outlet layout**, built above the fans in unused building space
- **Vertical-outlet layout**, where the fans discharge directly into the filter units
- **Simple servicing**: collectors are delivered on pallets and swapped out, and the used collectors are taken away to be cleaned
- **Works with Roadvent** at tunnel approaches, covering the road and the outlet

SPECIFICATION

INSTALLATION	
Application	Road tunnel ventilation outlets
Layouts	Horizontal or vertical outlet
Filtration	ESP collector arrays
Air path	Sealed path and plenum from fan to filters
SERVICING	
Collectors	Delivered on pallets and swapped out
Used collectors	Taken away to be cleaned
COMPATIBILITY	
Existing fans	Existing ventilation fans continue to extract tunnel air
Roadvent	Can be paired at tunnel approaches

Specific unit numbers, power and dimensions are set for each tunnel. Contact us to discuss your ventilation outlets.