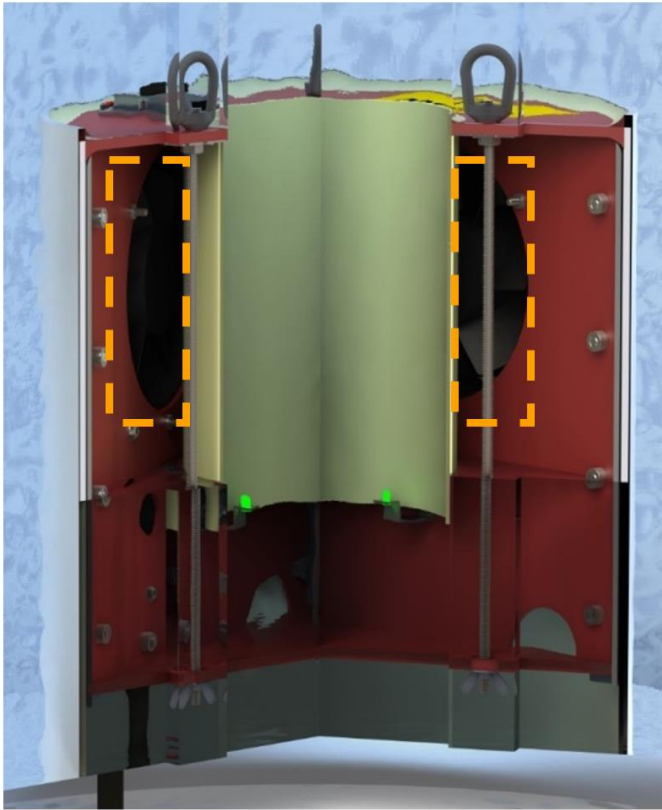


PreVent™ Active Venting from Novinium

Utilities rely on vented manhole covers to let combustible gases escape, but these *passive* solutions are insufficient for maintaining safe manholes. To provide adequate safety for manhole structures, a more *active* venting solution is required.

Provide long-term safety at each manhole in your network

The PreVent™ solution provides active venting for manholes to keep combustible gases from collecting and potentially causing a manhole event.



- ➔ Fits any existing manhole cover ring with minimal installation
- ➔ Ventilator and duct system moves gases out of a manhole and circulates fresh air in
- ➔ Air pockets, shown in diagram, keep the fans dry in the event of a manhole flood, and a float switch turns off the power
- ➔ Ventilator unit includes adjustable-length venting duct, and waterproof disconnect, as well as LED power indicators that are visible through the manhole cover for ease of inspection and operational verification
- ➔ Full redundancy for 10 years of virtually maintenance-free operation

Specifications:

System

Performance	1 air change every five minutes or less in vaults up to 6' x 8' x 12'.
Airflow	>100 CFM exhaust volume
Removability	Easily removable by 1 operator (Without need of lifting equipment); no tools required
Ventilator weight	40 lbs. (weight of removable ventilator assembly)
Hole access	No obstructions are left in the manhole opening area when the PreVent system is removed
Installation	Easily performed by trained workers with common hand tools
Electrical isolation	6" minimum electrical isolation between cover and the PreVent system
Power	24V AC fans draw 3 amp max
Adjustability	Intake duct length is adjustable from 3' to 25' below the cover to position the duct 6" to 24" from floor
Durability	Designed to withstand continuous exposure to outside elements, rain, moisture and salt Designed to survive flooding events (up to 60-day submersion) Designed to operate in heavy vehicle traffic areas and withstand continuous road vibration.

Bell housing

Materials	Fiberglass (Glass fiber reinforced polyester resin); non-halogenated resins
Diameter	15" at base, 16.5" at top
Length	26.5"

Fans

General specs	Airflow >240 CFM per fan (rated); pressure > 0.65" W.G.; lifetime of 40,000 hrs. (L10) rated continuous
Ingress Protection	IP 68
Redundancy	Triple redundancy (3 fans per ventilator) each with an LED light

Support Bracket

Materials	Frame: Mild carbon steel, hot dip galvanized; support arms: 304 Stainless Steel
Mounting	3-point install, drilled holes only—no tapping or welding on ring; sized to fit all standard manhole rings
Adjustability	Field adjustable to fit typical ring variation
Strength/stability	Supports up to 350 lbs. on ring edge; does not bear weight of the cover (24 lbs.) in normal installation

Power supply

Source	Power cable is spliced into secondary cables (110-480V)
Enclosure	IP-68 or NEMA 6P rated
Input/output voltage	110-480 VAC input; 24V DC output
Protection	Auto reset breaker plus fuse
Connectors	IP-68 rated, definitive connection indication
Power	Rated for 2X fan power requirements, with auto-shutoff in the event of fire

©Copyright 2017, Novinium, Inc. All rights reserved.