

PreVent™ Water Control Cover from Novinium

Most manhole ventilation solutions fail to prevent higher levels of water and salt from entering the manhole. Secondary cable deterioration produces combustible gases that can lead to a manhole event.

Water control is a key component of manhole safety



The PreVent™ manhole cover is engineered with a set of channels and grooves that divert water, salt, and other debris away from the manhole.

- ➔ Gently domed design diverts water away from the manhole opening
- ➔ Dams around the slots move water to the perimeter instead of into the manhole
- ➔ Sealed with an easily removed gasket to the existing cover ring to further minimize water and salt entry

Specifications:

Weight	190 to 300 lbs. depending on size and weight rating required
Material	Grey cast iron per AASHTO-M 306-05
Water ingress prevention	>99.5% @ 1.5 GPM total water volume approaching cover; 2% grade (per Novinium lab flow table test) >90% @ 3 GPM, 2% grade (per Novinium lab flow table test).
Size	Covers will be individually machined and sized to fit your manhole rings. Cover O.D. range: 31 ¾" – 32 ¼". Cover edge thickness range: ¾" – 1 ½".
Removability	Removable with currently available manhole lid lifting tools
Load Strength	40,000 lbs per AASHTO-M306 H-20
Holes	Meets ADA requirements for holes, slots, and surface features Includes access port for gas detection devices used by utility workers
Restraint	Cover provides attachment point for a tether or other restraint device
Markings	Covers marked Novinium Inc. PreVent™; ratings, model, customer information and logo are available

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