PVC Manhole Invert-to-Rim Rehab System

Installation Guide

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Features & Benefits

- ASTM C478 Lid (H20 load rated)
- AWWA C900 Riser
- ASTM C990 Joint Sealant
- Corrosion-resistant Base to Lid and Riser
- Restore Structural Integrity with Structural Riser Insert
- Field Adjustment of Height with Grade Rings
- Quick Install
- 10-year Warranty
- Riser Factory Cut to Length (optional)
- Factory Installed Ladder (optional)

Installation

Excavate and remove existing flat top or cone top

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Clean all MH walls. Substantially remove incontinent concrete material

Partially remove bench and channel material (min 2”); clean and remove excess material

All components labeled

Lower base liner insert into manhole

Secure liner in place

Pipe penetration to be sealed with inflatable plugs

Pour high-flow, non-shrink grout behind liner

After grout has hardened, place butyl rubber sealant around joint

Lower PVC riser into manhole

Ensure riser is sealed on FRP base liner joint, ensuring mastic sealant is fully engaged

Ensure riser is plumb

Place butyl rubber sealant on top end of riser

Lower FRP-lined precast lid onto riser

Backfill

Insert Telescopic Access Collar (TAC) gasket

Stack grade rings

Insert Telescopic Access Collar tube

Place butyl rubber sealant on top of flange TAC

Set manhole cover frame

Completed installation (open)

Completed installation (covered)