aquastopper
MANHOLE INSERTS

Prevent Infiltration

Leaking manhole covers are a major contributor to rainfall induced inflow. Sewer evaluation studies indicate that a typical manhole casting will allow an inflow rate from 1Litre to over 20Litres per minute during rainfall occurrences. While the manhole cover is one of the leading contributors to collections system Inflow & Infiltration, ironically it is the easiest and most cost-effective problem to remedy. You can stop this unwanted inflow of rainwater through the manhole cover with **Aquastopper** MH inserts.

Over 5 million MH inserts have been installed across North America with the increased focus on I&I.

Aquastopper MH inserts are manufactured from ultra high density polyethylene copolymer material or 316 Stainless steel ensuring that they are Strong & Durable

Aquastopper inserts are custom sized to provide an enhanced fit & seal, installs easily with no special tools, can be made to fit all shapes and sizes

ADVANTAGES:

- Reduces I & I into waste water treatment facilities
- Increases effective system capacity to facilitate municipal growth
- Reduces sanitary sewer overflows and bypasses
- Quick and easy installation
- Prevents accidental access
- Keeps grit, sand, salt, chemical spills, foreign objects, road oils, etc. from entering the collection systems

How much money can Aquastopper save you?
One manhole leaking 10L/minute will leak 15m3 per day. If the cost of treating wastewater is $2m3, then this single manhole with a 10L/minute leak costs more than $10,000 per year, forever!

Annual Cost per m3 to Treat Wastewater

Size of Leak litres/minute	$1.00	$1.50	$2.00	$2.50	$3.00
5	$2,628	$3,942	$5,256	$6,570	$7,884
10	$5,256	$7,884	$10,512	$13,140	$15,768
15	$7,884	$11,826	$15,768	$19,710	$23,652
20	$10,512	$15,768	$21,024	$26,280	$31,536

www.aquastopper.co.nz

info@aquastopper.co.nz 0800 2 820 820

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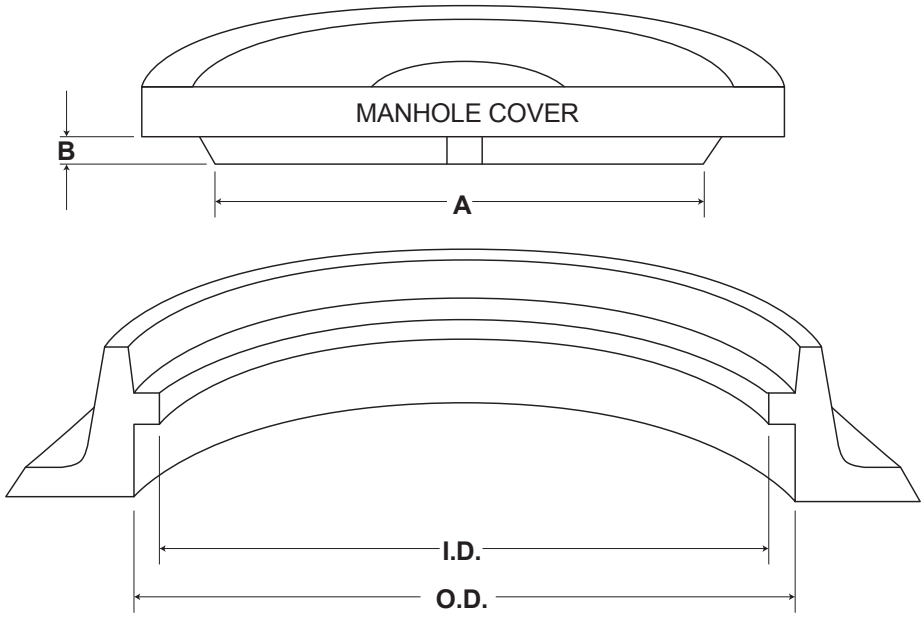
HOW TO ORDER YOUR CUSTOM-FIT INSERT



Note: Some lids have no drop ring and are essentially flat underneath.

1. Remove manhole cover

2. Clean the manhole rim or flange of any dirt or debris to insure accurate measurements

3. Locate the CLEAR OPENING of the manhole Diameter measurement (I.D.) shown above. Take two of three readings along the I.D. circumference and record the smallest measurement

4. Locate the outer edge of the manhole rim. This is the Outside Diameter measurement (O.D.). Take two of three readings along the O.D. circumference and record the smallest measurement

5. Provide dimensions A & B on cover as above

6. Please indicate the specific type of manhole frame and cover that you have such as locking, bolt down, watertight, etc., along with the name of the foundry and drawing if possible

7. Specify any load rating, lock down requirement and preference for Stainless Steel or Plastic inserts

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