



**NEW  
PRODUCT!**

# ANTI-INFILTRATION OVERFLOW-RELIEF DEVICE

## HOW TO PREVENT STORM WATER INFILTRATION INTO SEWER DRAINS

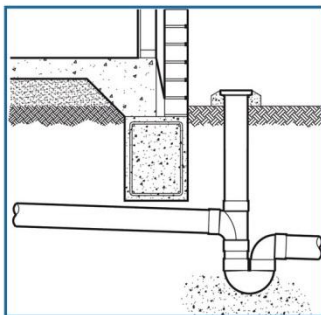
- ➔ Eliminates infiltration through conventional ORG
- ➔ Reduces waste water treatment costs
- ➔ Minimises entry of pests
- ➔ Reduces likelihood untreated discharges

# FIT AN ORC TO THE ORG!

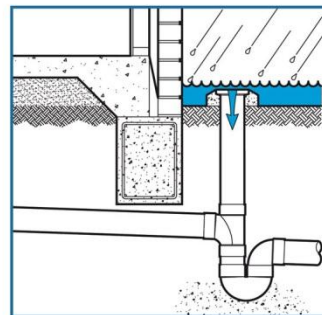
## NEW FROM ORC TECHNOLOGY: THE OVERFLOW RELIEF CAP (ORC)

### THE PROBLEM

- Infiltration of storm water following significant rainfall events has long been recognized as a problem for existing and aging sewerage infrastructure.
- Leading to major impact on the environment when systems fail.
- As much as 40% of the infiltration is attributed to non-conforming Overflow Relief Gullies (ORG).



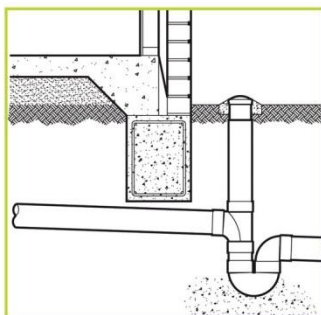
**Conventional ORG**  
installation



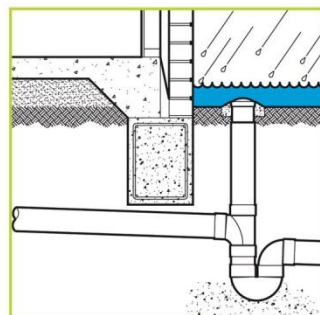
**ORG Allowing**  
Water Ingress

### THE SOLUTION

- ORC Technology's anti-infiltration Overflow Relief Cap (ORC).
- The ORC prevents water from entering the sewer at the household connection.
- The cap is used insted of the open grating that is currently fitted on ORGs and as an additional benefit it will keep pests and vermin entering the system at this point.



**Typical ORC**  
Device Installation



**ORC Device Sealing**  
Against Water Ingress

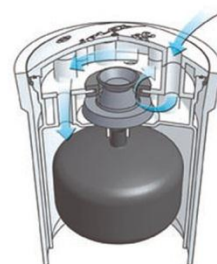
Note: Installation of ORC device must be undertaken by a licensed plumber in strict accordance with AS/NZS 3500.2 and AS/NZS 3500.5 and local authority regulations.



# FUNCTIONS OF THE ORC DEVICE

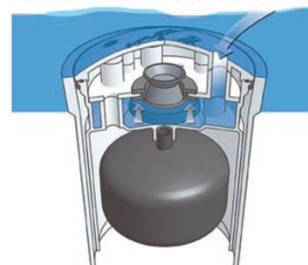
## VENTING

In normal operation the ORC device acts as a vent to prevent water syphoning out of the trap.



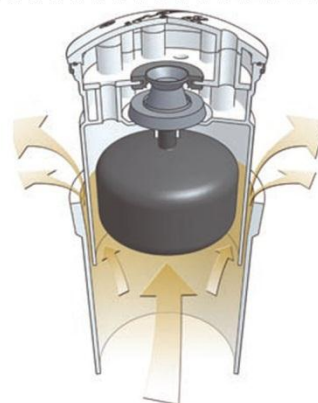
## SEALING

The ORC device provides a water tight seal against ingress in flood prone areas.



## OVERFLOW

In the event of a surcharge the ORC device will eject from the gully riser allowing free relief as per a conventional ORG.



# SPECIFICATIONS

## Product Code

D128100DORC

## Colour

White

## Weight

515 grams

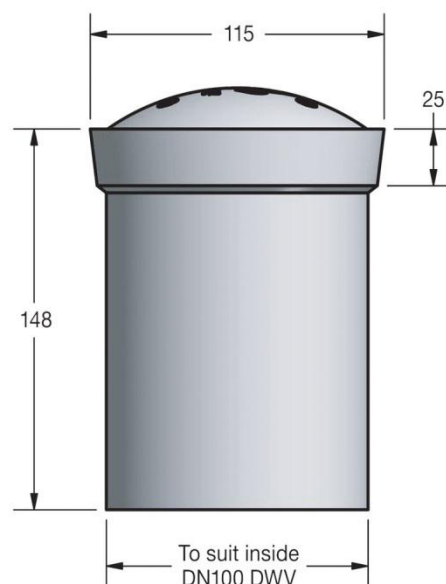
## Compliances and Standards



WaterMark Licence 60012 for compliance  
with Australian Technical Specification  
ATS 5200.501-2011

## Patent Application

PCT/AU2008/000234



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# AUSTRALIAN INGENUITY AT IT'S BEST!

## WATER COMPANIES

- Should the surrounding area become inundated the cap will prevent water from entering the sewer.
- It has special vents to allow fixtures connected to it to discharge normally.
- In the event of a surcharge the ORC will pop out of the pipe allowing effluent to run out (as grates do now).

## THE ENVIRONMENT

- The ORC reduces processing costs by preventing rain water infiltration into the sewerage system.
- It reduces the need for capital expenditure on additional storage and pumping capacity.
- Decreases the possibility of sewerage spills.



## THE ENVIRONMENT

### The ORC is very good news for you too!

- In a new connection it can be placed lower than a normal ORG which can save an entire course of bricks per house.
- On an average new brick veneer house, after device and installation costs are covered, there is a potential net saving of more that \$500.
- It is easy and quick to install.
- The ORC is designed to be installed into the normal ORG.
- The ORC can be easily retrofitted to an existing ORG.



## PLUMBING STANDARDS

- The anti-infiltration overflow relief device is manufactured to meet the Australian Standards ATS 5200.501-2009.
- The product is watermarked and compliant for use in any plumbing installation in Australia.
- The Australian designed Over Relief Cap is patented (PCT/AU2008/0002340).

## MORE INFORMATION AND CONTACTS

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