



Maskam Water, through the Maskam Water Dealer network, offers turn-key solutions to customers' water related problems in Sub-Saharan Africa. Whether it is pumping water, storing or treating (potable and waste water), we will be able to assist.

The next few slides will show how different products in the Maskam Water range were used to solve the problem of a municipal sewer line that regularly blocks up, flooding the basement parking of a customer.

Case study: Blocked municipal sewer



The problem:

A municipal sewer line near a block of flats in Cape Town regularly gets blocked. Sewage then backs up in the piping, causing the gravity sewer lines in the basement parking to fail and raw sewage floods the entire parking lot.

The solution:

A Zoeller back flow preventer (110mm) was installed to prevent the sewage from the municipal line to push back into the piping of the private property.

When the municipal line is blocked and the backflow preventer closed, sewage from the building cannot flow to the municipal line. An overflow was created, using a Y-junction at a 45 degree (upwards) angle. The overflow sewage is piped to a Zoeller 912 Basin, which is installed under the paving, with a weight bearing steel cover.

In the 912 Basin, a Zoeller U282, 50mm solids handling, sewage pump is installed. The sewage is then pumped to another gravity line, 3m higher and 65m away. This line is linked to a different municipal sewer network, hence not affected by the blockage. A Zoeller full bore 50mm non-return valve in-line ensures that no water will flow back when the pump is switched off. The full bore non-return valve will, unlike brass check valves, never clog up.



Gravity line to municipal sewer

48

Discharge pipe from lifting station

Back flow preventer

Overflow

Zoeller 50mm full bore check valve

Zoeller 50mm full bore check valve in the pumped line



Available in PVC and cast iron



Also available in 40mm (ID) spring loaded full bore, see-through PVC



Zoeller U282 50mm solids handling pump



Zoeller 912 Basin

Inflow

Discharge pipe

Top of back flow preventer unscrew for easy maintenance
The full bore design ensure that the unit will not clog up
A rubber gasket on the flap seals 100% tight onto the PVC seat





Maskam Water is the sole importer to Sub-Saharan Africa for:



PROFESSIONAL
POND
PRODUCTS

We are also importers for:



All of these products are available through our dealer network.

www.maskamwater.com