

Backflow valves - Waback®

System overview

Canplast SA presents its revolutionary Waback® non-return chamber. This valve, patented and approved, simple to implement can be installed in the wastewater network and in the clean water network. Thanks to its design, this backflow chamber does not require more maintenance than a standard manhole. The float pipe is fully open at normal flow and therefore minimises the risk of build-up and malfunctioning from the wastewater containing solids.



Applications

HDPE backflow chamber for wastewater and clean water, completely watertight during filling.

Qualities and advantages

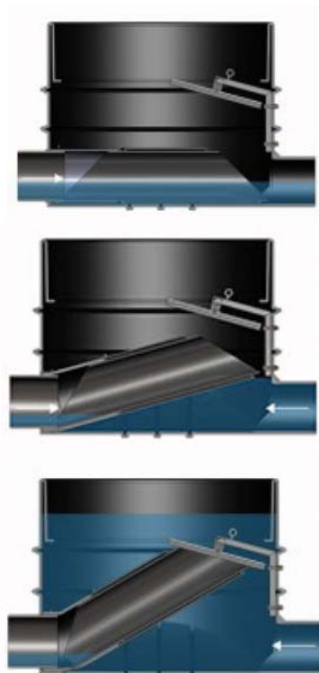
- ✓ Used for wastewater and clean water since 1989.
- ✓ No pressure loss.
- ✓ Simple operation and easy maintenance (non-corrosive materials).
- ✓ Works both as a non-return valve and a manhole.

Operation

The Waback® backflow chamber is in the normal flow position. Wastewater flows freely through the float pipe without obstruction, eliminating any risk of build-up.

When the downstream network is full, the float pipe lifts under the effect of Archimedean thrust. As a result, the rising water cannot flow back into the upstream pipe.

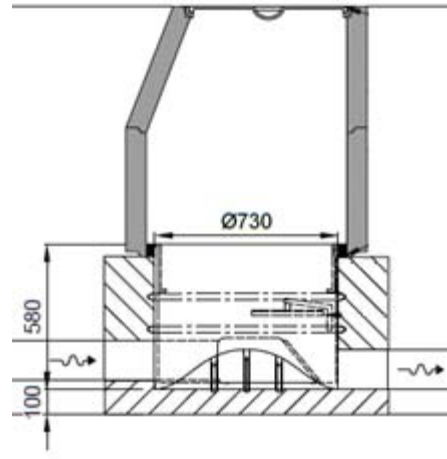
When the float pipe reaches the stop, it compresses the sealing ring ensuring a perfect seal despite the chamber being fully loaded.



Assembly

The implementation of this Waback chamber is identical to the plastic chamber base. Concreting of this is recommended.

- Upgrading the Waback chamber
- Connection of pipes upstream and downstream
- Concreting of the chamber
- Installation of concrete or plastic extension
- Installation of a lid



List of standard products

Item N°	Collector Ø	ext/usable height	Chamber int. Ø	Chamber ext. Ø
WABACK110600	110 mm	580 /400 mm	600 mm	730 mm
WABACK160600	160 mm	580 /400 mm	600 mm	730 mm
WABACK200600	200 mm	580 /400 mm	600 mm	730 mm
Waback110 mini	110 mm	300 mm	430 mm	550 mm

Possibility of obtaining, on request, Waback® valves for pipes of larger diameters.

Example



Implementation of a Waback® chamber on the wastewater network after flooding of the building.