

## Backflow valves - Wastop®

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### System overview

In addition to the existing backflow valves, Canplast introduces the revolutionary Wastop® non-return valve. This valve, patented and approved, simple to implement can be installed in any existing pipe order to avoid consequent masonry work. Indeed, the Wastop can be installed directly in a vertical or horizontal pipe, or inside a chamber.



### Operation

The Wastop® non-return valve consists of a horn-shaped silicone membrane, fixed inside a stainless steel or PVC cylinder. The membrane is closed in the absence of water. Pressure is required in the pipe upstream of the valve to open the silicone membrane, creating a "flush" effect and allowing the fluid to flow continuously (figure 1).



Figure 1

When the downstream network is fully loaded, the silicone horn fills with water. This pressure pushes the membrane against the wall and ensuring a complete seal (figure 2).



Figure 2

### Applications

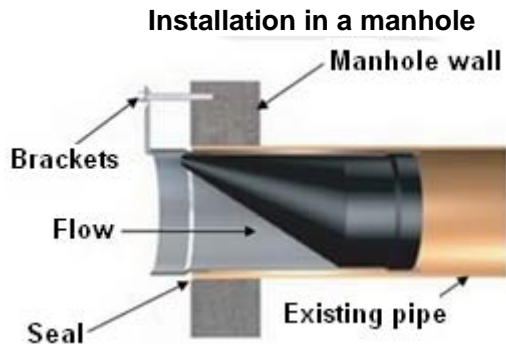
- Protection against the loading of the network (land network, communal - rise of the river waters - lake, etc.)
- Effective protection against odours, rodents and insects.

### Advantages

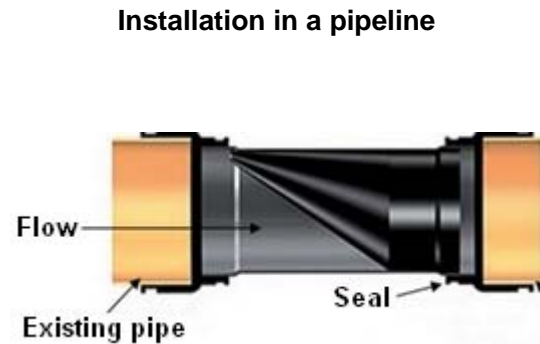
- ✓ Easy implementation
- ✓ No moving parts
- ✓ Low charges losses
- ✓ "Flush" effect on opening
- ✓ Fluid and odour-resistant
- ✓ Wide range of diameters (75 to 1500 mm)
- ✓ Adaptability with all pipes : PVC, PE, PP, cement, stone, etc.

## Assembly

For installation in the inspection chamber, the Wastop valve is supplied with brackets and sealing joint (figure 3). For installation in a pipeline, the Wastop valve is delivered with the connection sleeves (figure 4).



**Figure 3**



**Figure 4**

## List of standard products

Item N°	DN	DE	L
Ws97-55-304	100	97	210
Ws101-55-304	110	100	215
Ws116-55-304	125	115	230
Ws146-55-304	150	144.5	300
Ws183-55-304	200	181	385
Ws193-55-304	200	191	395
Ws215-55-304	225	215	450
Ws230-55-304	250	230	480
Ws240-55-304	250	240	495
Ws290-55-304	300	290	585
Ws340-55-304	350	340	700

Item N°	DN	DE	L
Ws370-55-304	400	370	730
Ws390-55-304	400	390	750
Ws440-65-304	450	443	900
Ws490-65-304	500	490	900
Ws590-65-304	600	587	1200
Ws690-55-304	700	690	1300
Ws750-65-304	750	750	1400
Ws790-65-304	800	790	1500
Ws885-65-304	900	885	1700
Ws985-65-304	1000	985	1800
Ws4485-75-304	1200	1185	2250

On request, delivery of Wastop valves in other dimensions.

## Example

Municipality of Hirschthal - Argau



Implementation of a Wastop® Ø 1200 backflow valve in an existing concrete pipe to prevent loading of the network when the river rises.

## Opening and closing the Wastop<sup>®</sup> backflow valves

