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## WASTOP DN80-DN1800 regarding Acceptable seepage rate when back pressure is present

### WaStop® Check Valve for backflow protection in waste water and drainage systems

The product is manufactured and marketed by:  
**Wapro AB, Munkahusvägen 103, 374 31 Karlshamn, Sweden**  
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#### General

The material used to manufacture WaStop® and its components are not affected by temperature but the functionality of the valve will change due to temperature. Like all materials, components of WaStop valve will shrink and increase density when exposed to temperatures other than ambient. Expansion and shrinkage occurs most in the membrane material.

This phenomenon will affect the valve performance in temperatures deviating greatly from ambient.

All tests are performed in room temperatures between 16-20 degrees Celsius, as per the appropriate Standards.

#### Test requirements and definition:

1. Definition of leakage: The upstream water leakage shall be at most X l/min according to the table below in open air setup.
2. Wastop shall be installed according to the "Installation Instructions and Product Guarantee" manual.
3. WaStop shall be maintained according to the "Installation Instructions and Product Guarantee" manual.
4. There should be no obstacles between membrane and the WaStop housing.
5. Seepage rate is only measured for media that is passing inside the valve.  
Seepage rate doesn't take into account improper in installation.

Article	Seepage rate l/min
ws193	0,05
ws215	0,06
ws230	0,07
ws240	0,07
ws290	0,10
ws340	0,11
ws370	0,13
ws390	0,10
ws440	0,16
ws490	0,16
ws590	0,19
ws690	0,32
ws750	0,39
ws790	0,42
ws885	0,52
ws985	0,65
ws1040	0,78
ws1185	0,94
ws1385	1,46
ws1485	1,66
ws1585	1,88
ws1785	2,41

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