Non return valve: a solution to flooding problems

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Climatic changes plus more and more concentrated urbanization often leads to having overloaded sewage networks with consequent flooding problems. The easiest and most economic solution to avoid this problem is the installation of a Non Return Valve. This will protect homes from costly damage, whose resolution are always the owners responsibility.

OTTIMA has to be installed on waste water pipes and allows the outflow to reach the municipal sewage network avoiding water backflows

It is highly recommended in cases of:
- Fields which are under the water level
- Areas closest to rivers, lakes, sea
- When the sewage is linked to rainwater pipes (dangerous in case of heavy rain)
- If a sewage network overload has already occurred
- If an extension of the sewage network (with consequent overload) is probable
- When the municipal sewage network includes pumping stations.

Functionality

Normal working situation

Effective anti-flooding
Available:

Type 1

Type 2

Avoid rust and oxidation
The plastic material the valve's body and components are all made of avoid acid corrosion problems and oxidation.

Inspection cover
Removable handle in order to avoid alteration to the valve. The cap has a co-injected gasket which avoids damages or breaking during maintenance.

Flap
Anti rat Inox Flap. No screws are necessary to fix the inox flap. The flap has a co-injected gasket which avoids damages or breaking during maintenance.
Compact

The compact body of the valve OTTIMA allows the installation of the product even in cases where there is low space or walls in close proximity.

Installation Examples

- Lip seal version
- Solvent weld version
- Application non-plastic materials
- Plastics applications
REDI have designed and manufactured non return valves for almost 30 years. There are several thousand valves installed around the world reflecting contractor and client installed satisfaction.

It is based on these experience and know-how that REDI market OTTIMA, the new non return valve which embodies the concepts of quality, reliability and design. OTTIMA represents a reference product when speaking about non return valves.

REDI OTTIMA non return valves have been designed in full compliance with the European Norm EN13564. Product certification in progress. Inlets and outlets comply with European Standards EN1329 and EN1401 where applicable.

Evolution and design
Available diameters: 100 - 110 - 125 - 160

NEW
Double flap INOX
Double security

OTTIMA M/F Ø 110 mm

OTTIMA M/F Ø160 mm

M/F lip seal version
M/F solvent weld version
M/M version