



The chamber base
with a backwater valve

Principle of operation

The phenomenon of sewage backflow causes regression of water into the building and flooding of low-lying areas. It can be caused by intense rainfall, thaw or flood. During normal operation of the chamber with backwater valve sewage flows freely, lifting the loosely hanging flap of the device. When there is a reverse flow, it is stopped by the flap which securely seals to the head of the backwater valve. This process takes place completely automatically.

The mobile unit is fixed to an aluminum rod ended with a lever. This enables easy removal of the unit from the well for the purpose of inspection and maintenance. After the inspection we easily put the flap unit back in its place in the well by means of the rod.

Advantages of new solution

Standard mounting backwater valves require the use of wells which are made of quite expensive plastic or concrete with diameters ranging from 800 to 1200 mm, the installation requires the use of heavy equipment. The well with the Karmat chamber with backwater valve is easy to install by one person, and most importantly, it is cheaper by far.

Extremely simple and efficient mechanism, in addition to the possibility of removal of the unit to the surface without entering the interior, allows for the use of wells of a much smaller diameter. Also it does not require a specialist to call for maintenance. Designers can use the sewage well equipped with the Karmat chamber with a backwater valve instead of ordinary inspection wells required under the rules and regulations.

The highest quality of stainless steel and polypropylene used in production makes the KARMAT chambers with backwater valve durable, resistant to corrosion, frost and chemical agents. They are easy to install without the use of heavy equipment and resistant to subsidence.

Use

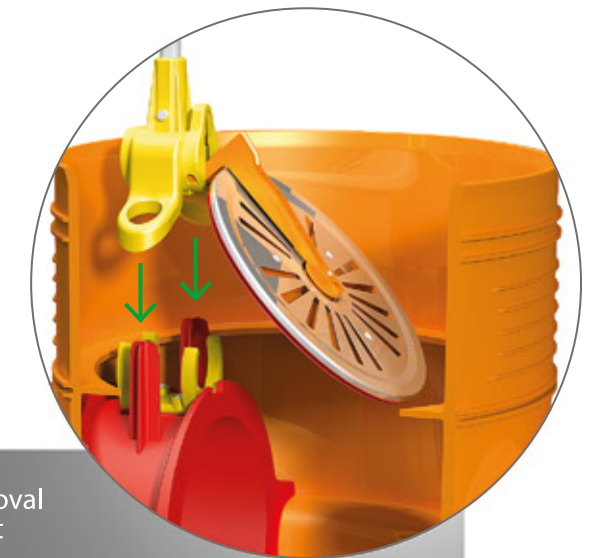
The chamber base with a backwater valve is designed for use in sanitary sewage system or rainwater systems. The recommended location for installation is a sewer pipe between the building and the main sewage network. The well with chamber with a backwater valve serves as an inspection well protecting the building from flooding.



The mobile unit connected to an aluminum rod and handle

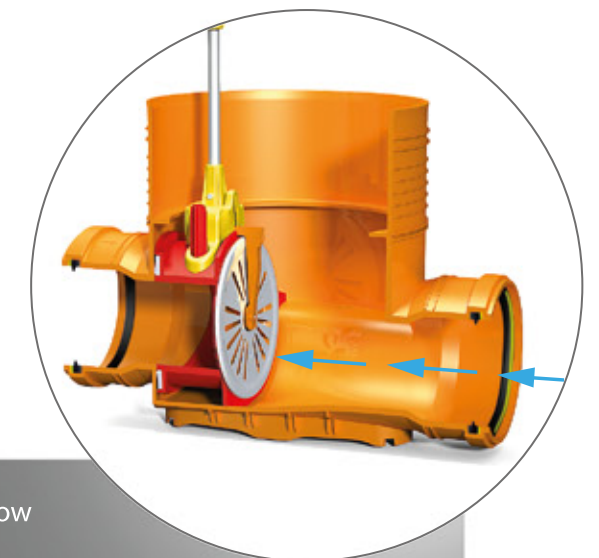
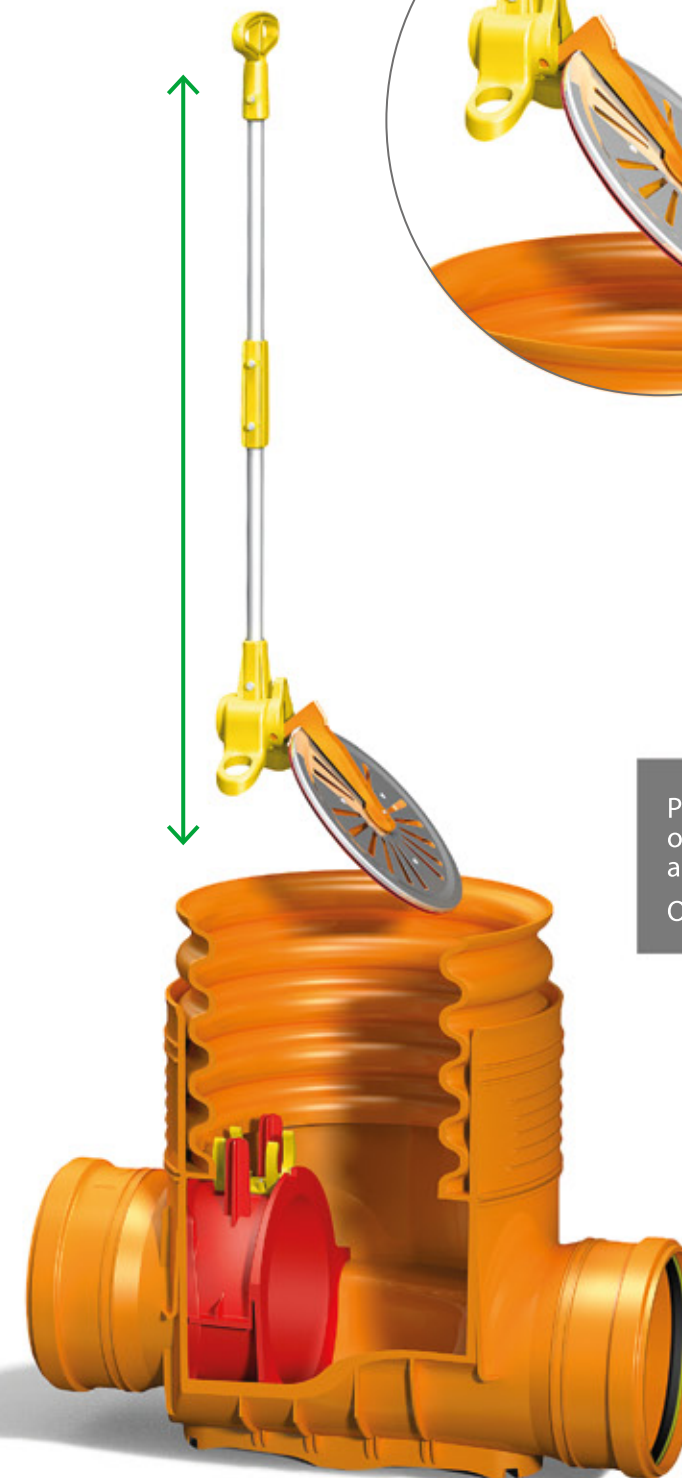


The manufacturer provides a possibility of extending the rod up to several meters. This enables us to control the device without the need to enter the well.



Possibility of removal of the mobile unit above ground

Operation without entering the well



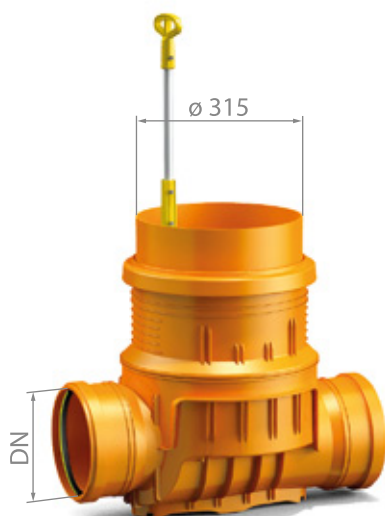
Automatic backflow stop process

Requires no external control

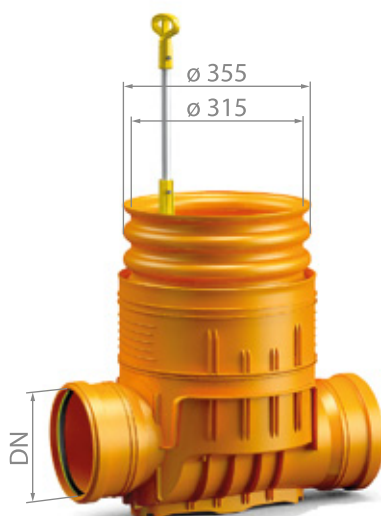
www.karmat.pl



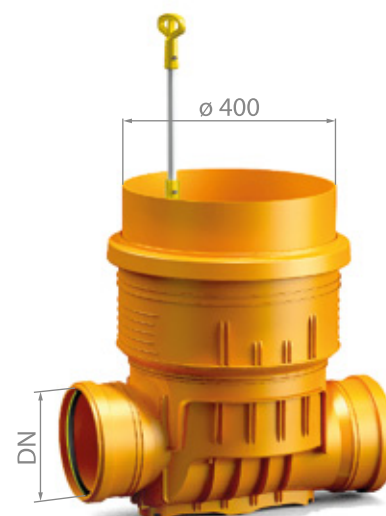
The Karmat straight chambers base with backwater valve



with socket for solid wall riser pipe Ø 315



with socket for corrugated riser pipe Ø 315 (diameter external of riser pipe Ø 355)



with socket for solid wall riser pipe Ø 400

Available diameters of inflow and outflow socket **DN – Ø 200** and **DN – Ø 160**