

INNOVATIONS FOR YOUR SEWAGE SYSTEM

ODOR | EXTRANEOUS WATER | ENGINEERING

Products for sewage systems



UNITECHNICS KG

Company information



UNITECHNICS is a company from Germany, which develops strategies and solutions for drainage systems. With highly qualified and dedicated staff, UNITECHNICS supports operators, associations, and the industry as a competent partner. In professional circles UNITECHNICS has made a name for itself with innovative ideas and is known for new and quite unconventional ways. It is crucial that these ideas are purposeful and excel in the result. The focus is on the engineering and the resulting process and product development.

From the idea to the practical implementation of standardand customized solutions:

- Engineering with concrete situation assessment based on innovative engineering services
- Project development, accompaniment and settlement
- Product development and manufacturing in the company headquarters in Schwerin
- Support services

This dealer information contains a selection of UNITECHNICS products and services.



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Products for sewage systems



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Products against surface infiltration water

in sewage systems



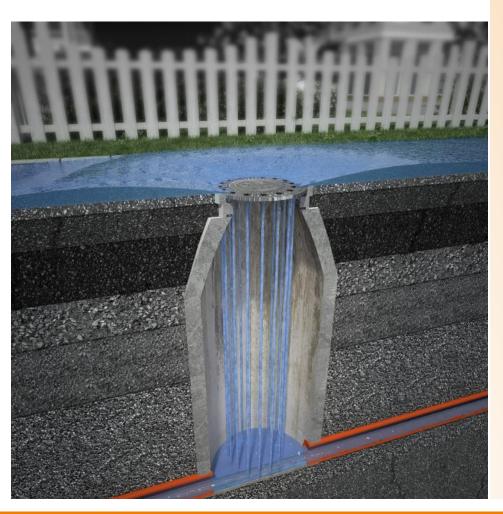
Surface water (extraneous water) during heavy rain , snow melt and flooding each year causing accidents and congestion in wastewater networks. Both the intensity and the amount of water will continue to rise in the coming years - on all participants need to adjust. Sewage systems according to the separation system are designed so that rain water should not be initiated and carried away into the wastewater sewer. Nevertheless a tremendous amount of surface water and sediment enters through the ventilation openings of manhole covers in the waste water channels. Even with a water level of only 10 mm of roads may be incorporated into the sewage system more than 17 m³ / h over the vents on the manhole cover. Operators of wastewater treatment plants increasingly consider the use of UNITECHNICS water shutout systems in the planning and redevelopment.

Secondly, they must find for existing installations technically feasible and economically viable solutions to solve this problem: water shutout systems by UNITECHNICS.

After the use of an water shutout system FRK, these flows are greatly reduced. The system also permits after the rain event again the ventilation of the shaft. This is important in order not to disclose it to the corrosion.

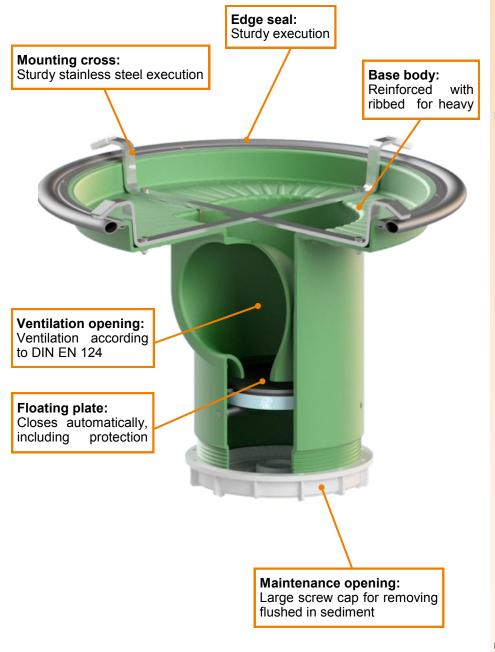
UNITECHNICS water shutout systems

...are used where the causes are and therefore can effectively reduce or prevent the entry of surface water through the ventilation openings by manhole covers. Models with patented drainage system protect against corrosion by establishing DIN-compliant ventilation again.





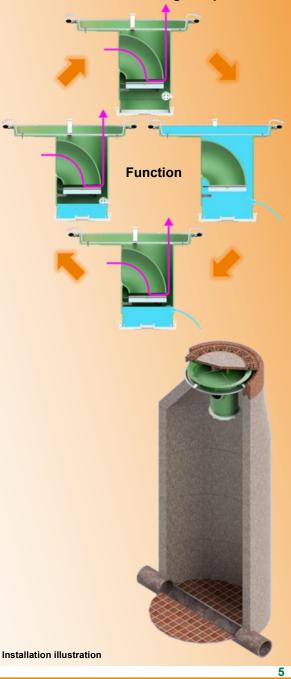




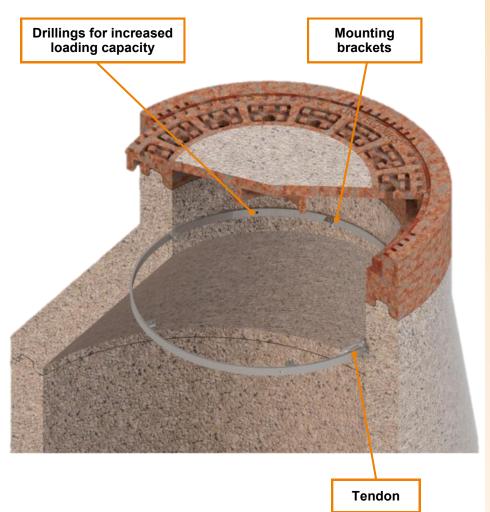


Shafts to DIN 4034 with manhole cover according to DIN 19584 (special hangers possible on request)

- Reliable closure of the shaft-manhole at surface water intrusion
- Full ventilation according to DIN EN
 124 after the end of the surface water intrusion
- Low maintenance because of large sediment stacking space
- Automatic opening in case of backflow
- Special sizes available on request
 - Suitable for flood heights up to 0.5 m



Special mounting system Clamping ring for shaft-manholes in combination with Uni-FreWa Allows special Mounting if Allows special Mounting it Allows special





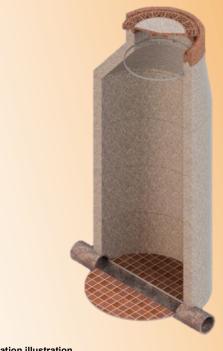
Areas of application:

- Municipal and industrial waste water facilities
- Shafts to DIN 4034 with manhole cover according to DIN 19584
- Special Mounting if there are no regular hook-in options
- Fits Uni-AdSorber-B, Uni-AdSorber-HD, Uni-FreWa and FRV

Advantages:

- Additional fixation at the shaft through drillings possible
- Individual adjustment of depth
- Strong footing untill floot heights of 0.5 m
- Easy installation and removal
- Low corrosion risk and longevity due to stainless steel construction





Installation illustration

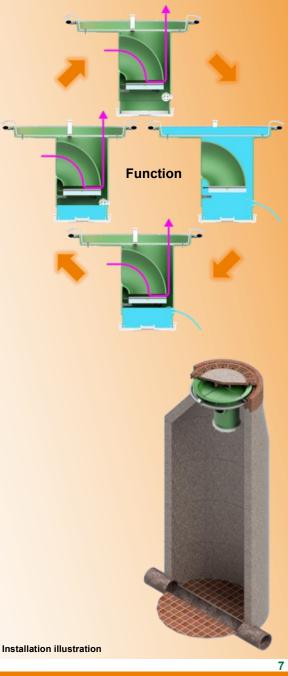






Shafts to DIN 4034 with manhole cover according to DIN 19584 (special hangers possible on request)

- Reliable closure of the shaft-manhole at surface water intrusion
- Full ventilation according to DIN EN 124 after the end of the surface water intrusion
- Low maintenance because of large sediment stacking space
- Automatic opening in case of backflow
- Special sizes available on request
- Suitable for flood heights up to 1.0 m



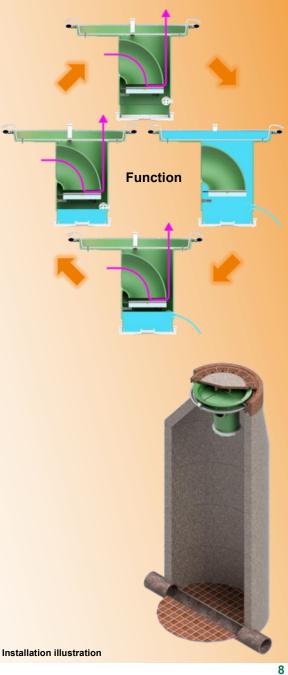




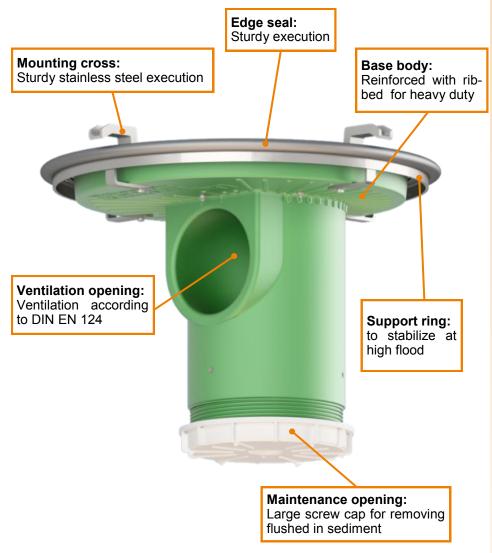


Shafts to DIN 4034 with manhole cover according to DIN 19584 (special hangers possible on request)

- Reliable closure of the shaft-manhole at surface water intrusion
- Full ventilation according to DIN EN 124 after the end of the surface water intrusion
- Low maintenance because of large sediment stacking space
- Automatic opening in case of backflow
- Special sizes available on request
- Suitable for flood heights up to 2.0 m



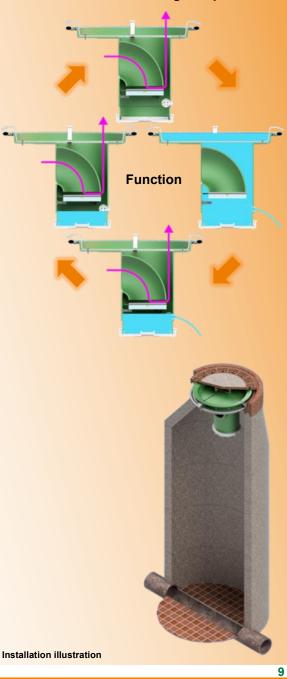






Shafts to DIN 4034 with manhole cover according to DIN 19584 (special hangers possible on request)

- Reliable closure of the shaft-manhole at surface water intrusion
- Full ventilation according to DIN EN
 124 after the end of the surface water intrusion
- Low maintenance because of large sediment stacking space
- Automatic opening in case of backflow
- Special sizes available on request
- Suitable for flood heights up to 5.0 m

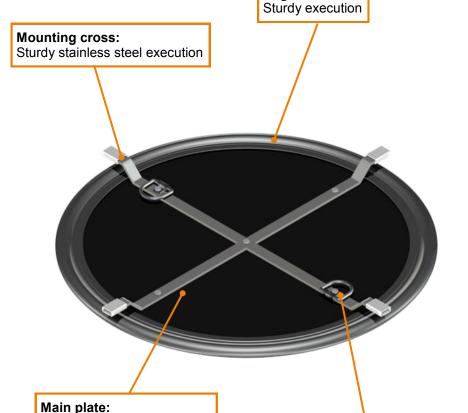








- Shafts to DIN 4034 with manhole cover according to DIN 19584
- Manholes with manhole diameter D = 625 mm
- Brief exposure flood during heavy rain, snow melt and flooding
- Can also be used as a flood closure
- Suitable for flood heights up to 0.5 m



Stable main plate made of

withstands flood

PE-HD

heights up to 0.5 m

Edge seal:

Features:

- Complete closure of the shaft-manhole
- Easy installation and removal
- Non-slip and stable edge seal
- Special sizes available on request



Installation illustration

Handle loop:

height

For easy removal of the system, fol-

ding to reduce the Construction



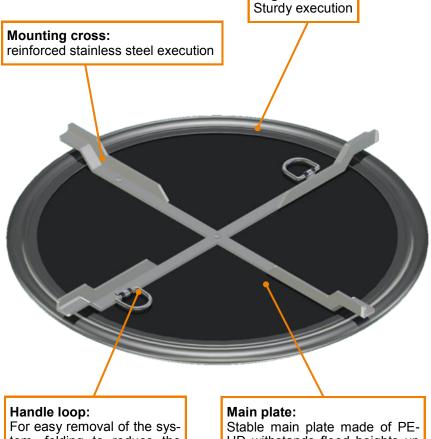




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- Easy installation and removal
- Non-slip and stable edge seal
- Special sizes available on request



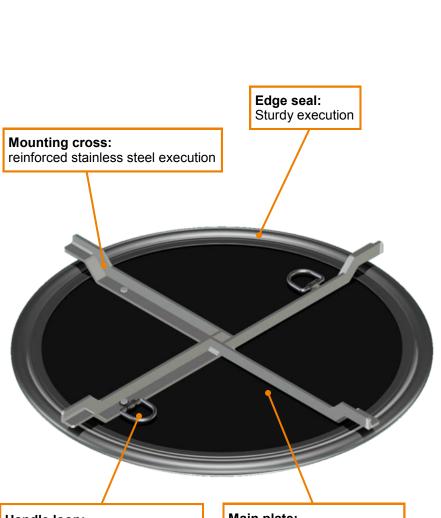
Edge seal:

For easy removal of the system, folding to reduce the Construction height

Stable main plate made of PE-HD withstands flood heights up to 1.0 m







Handle loop:

For easy removal of the system, folding to reduce the Construction height

Main plate:

Stable main plate made of withstands PE-HD heights up to 2.0 m





View from below

Areas of application:

- Shafts to DIN 4034 with manhole cover according to DIN 19584
- Manholes with manhole diameter D =
- Brief exposure flood during heavy rain, snow melt and flooding
- Can also be used as a flood closure
- Suitable for flood heights up to 2.0 m

Features:

- Complete closure of the shaft-manhole
- Easy installation and removal
- Non-slip and stable edge seal
- Special sizes available on request



Installation illustration

Flood closure system FRV-Ü300 for shaft-manholes





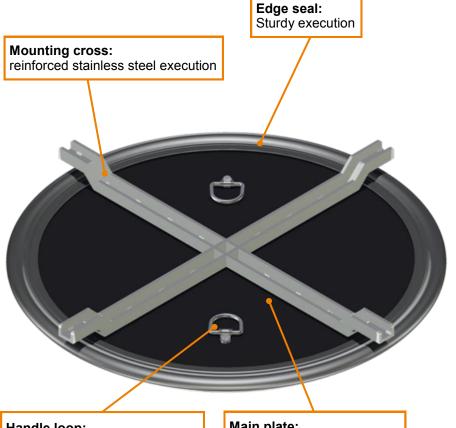
INNOVATIONS FOR YOUR SEWAGE SYSTEM

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- Complete closure of the shaft-manhole
- Easy installation and removal
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- Special sizes available on request



Handle loop:

For easy removal of the system, folding to reduce the Construction height

Main plate:

Stable main plate made of withstands PE-HD flood heights up to 2.0 m

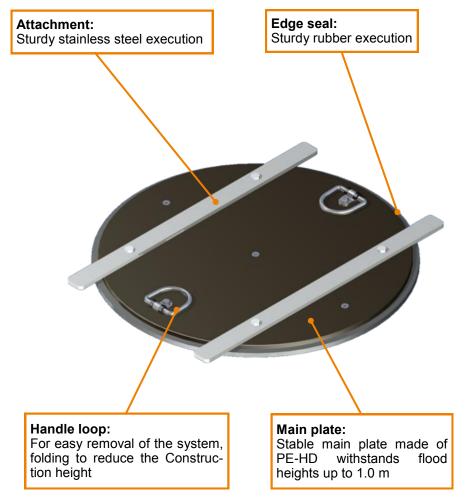






- Municipal and industrial waste water facilities
- DIN-compliant Street gullies with frames 500 x 500 mm
- Can be used as a flood closure

- Complete closure of the shaft-manhole
- Easy installation and removal
- Non-slip and stable edge seal
- Special sizes available on request





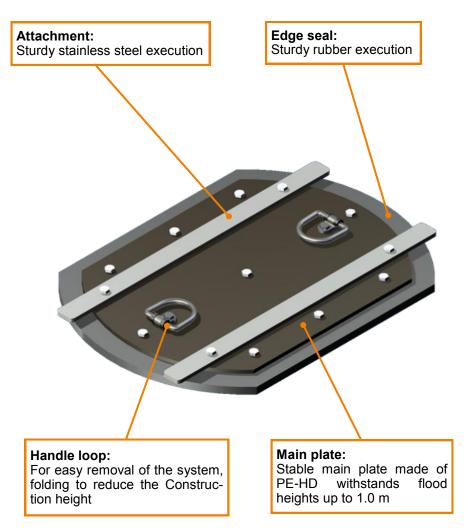




View from below

- Municipal and industrial waste water facilities
- DIN-compliant Street gullies with frames 300 x 500 mm
- Can be used as a flood closure

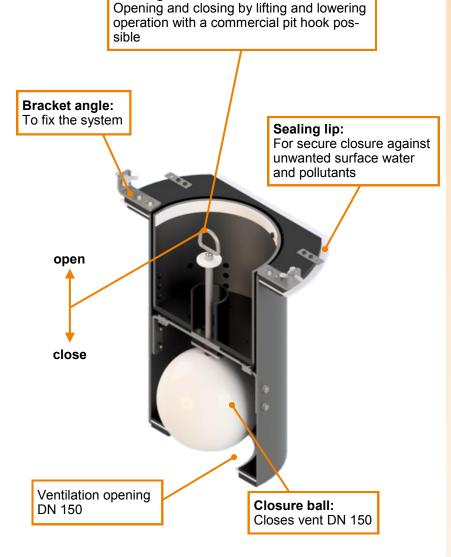
- Complete closure of the shaft-manhole
- Easy installation and removal
- Non-slip and stable edge seal
- Special sizes available on request







Locking lever:



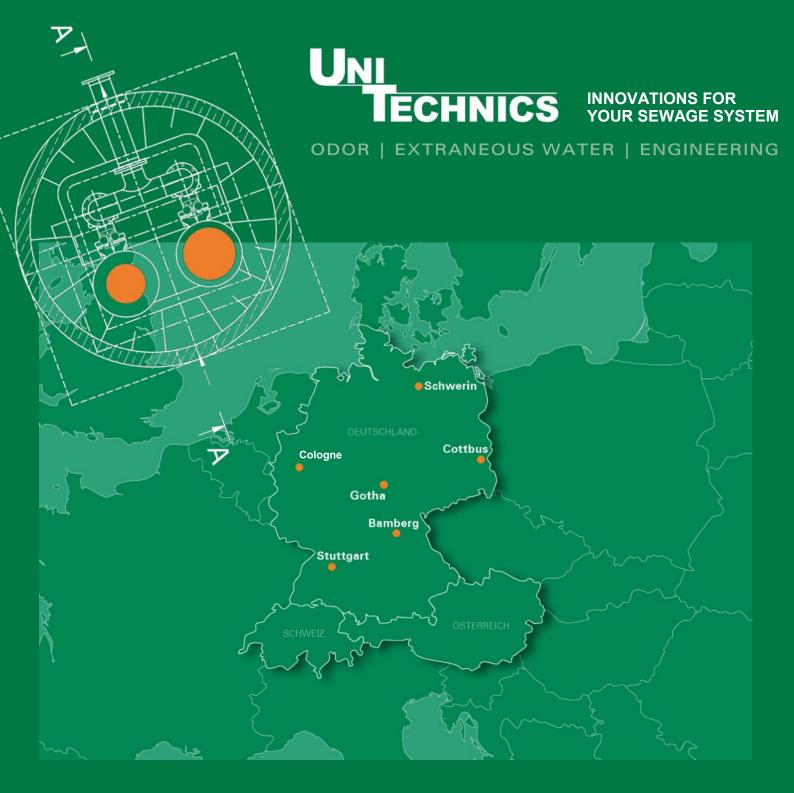


Areas of application:

- Municipal and industrial waste water facilities
- Suitable for all street gullies
- Used specifically as a general average closure during floods or refueling areas

- Complete closure of the street gully
- Fast installation and removal under the grate
- Operation WITHOUT removal of the grate possible
- Non-slip and stable edge seal
- Including special dirt-catch
- Special sizes on request







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