



AQUA 204 HDPE RAINWATER STORAGE TANKS

DESIGN MANUFACTURE SERVICE
SUSTAINABLE ENVIRONMENTAL TREATMENT SOLUTIONS

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Features

Halgan Aqua 204 HDPE Rainwater Storage

Tanks Available in volumes between 5,000 L – 52,000 L

11 Tonne traffi cable load rating



- For underground installation and above ground
- Available in volumes from 5.000 to 52.500 litres
- Double-walled – especially robust
- Components completely pre-assembled
- Available in three equipment variants
- Made of HDPE – lower weight than concrete and steel
- Food-safe material
- Maximum load: can be driven over by a truck (SLW 30 – 11,5 tons axle load)
- Groundwater-stable up to body centre
- Available with additional access manhole as inspection shafts from to 8.500 litres upwards
- Intermediate sizes and infl ows and outfl ows in DN 150 to DN 300 on request
- Tank optionally couple able lengthways and sideways on request
- Also available as a retention cistern – retention regulator
- 10 years guarantee on the tank body

Applications



- Retention tanks
- Detention tanks
- Horizontal pump stations
- Vertical pump stations
- Emergency Storage
 - *Mines*
 - *Sewerage*
 - *Construction site*
- Sediment Traps
- Pre-treatment devices
 - *Grease Arrestors*
 - *Cooling Pits*
 - *Lint Traps*
 - *Acid Neutralising Traps*
- Pre-treatment Storage
- Septic tanks
- Rainwater storage with pump system.

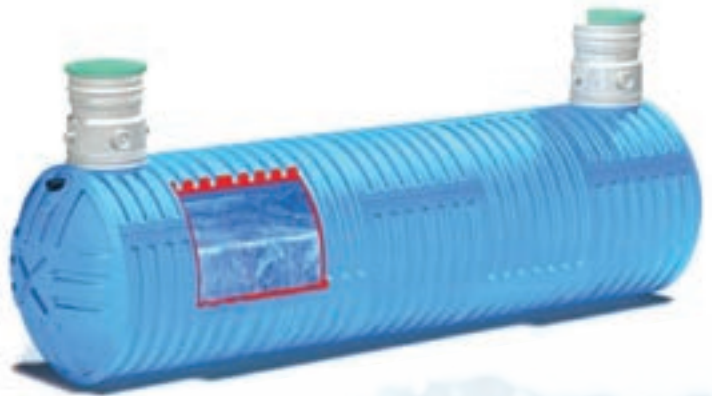
Applications



Pressure pumps –
schools, public areas
– security



Rainwater
Management

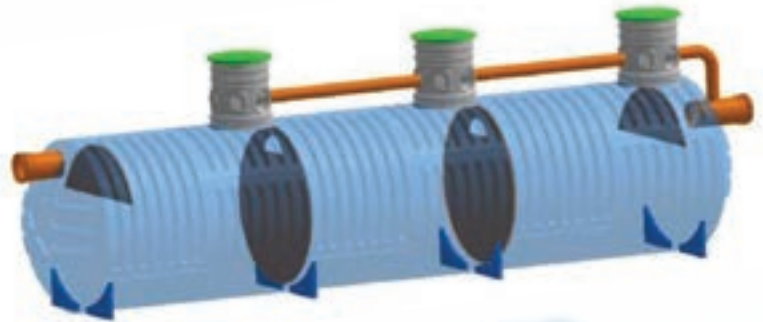


Applications



Septic tanks –
Sewerage treatment
with baffles

Gross Pollution Trap



Vertical Pump Stations



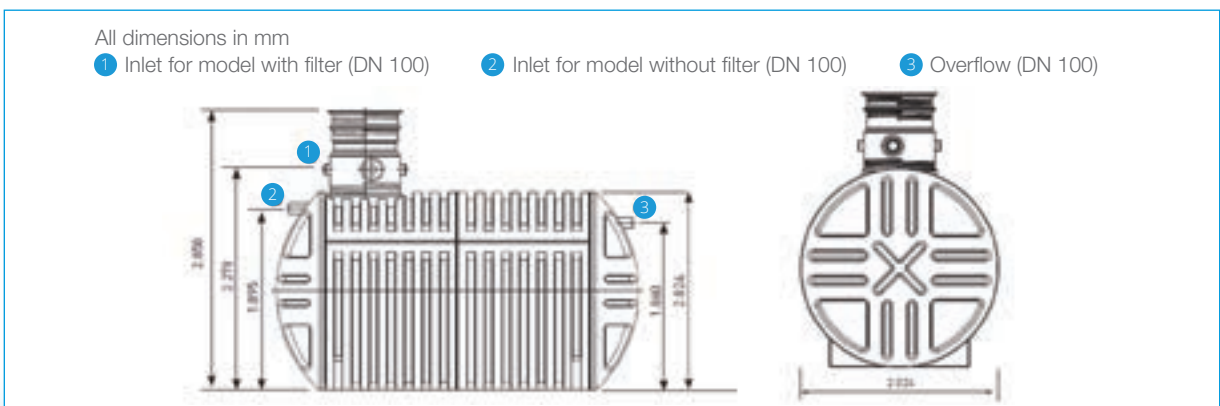
Specifications



Sizes and weight

- For underground installation and above ground
- Available in volumes from 5.000 to 52.500 litres
- Double-walled – especially robust
- Components completely pre-assembled
- Available in three equipment variants (• Made of HDPE – lower weight than concrete and steel
- Food-safe material
- Maximum load: can be driven over by a truck (SLW 30 – 11,5 tons axle load) - drivable cover (see p. 15)
- Groundwater-stable up to body centre
- Available with additional access manhole as inspection shafts from to 8.500 litres upwards
- Intermediate sizes and inflows and outflows in DN 150 to DN 300 on request
- Tank optionally couple able lengthways and sideways on request
- Also available as a retention cistern – retention regulator
- 10 years guarantee on the tank body

Specifications



Volume	Length	Width	Height without tower	Height with tower	Weight
5.000	2.330	2.024	2.024	2.850	365
8.500	3.670	2.024	2.024	2.850	560
12.500	5.010	2.024	2.024	2.850	755
16.000	5.350	2.024	2.024	2.850	955
19.500	7.690	2.024	2.024	2.850	1.145
23.500	9.030	2.024	2.024	2.850	1.340
27.000	10.370	2.024	2.024	2.850	1.550
30.500	11.710	2.024	2.024	2.850	1.750
34.000	13.050	2.024	2.024	2.850	1.950
38.000	14.390	2.024	2.024	2.850	2.150
41.500	15.730	2.024	2.024	2.850	2.350
45.500	17.070	2.024	2.024	2.850	2.670
49.000	18.410	2.024	2.024	2.850	2.880
52.500	19.750	2.024	2.024	2.850	3.080

Installation

In addition, the floor of the pit, which must be free from stones and other sharp-edged objects, be prepared as flat, level load-carrying surface. We recommend laying a sand bed with grain size of approx. 5-10mm.

Attention: if the pit floor is not strong enough, then an approx. 10cm reinforced lean concrete floor (D drawing 2) is to be cast. Where the floor is badly-drainable (clay), then suitable & sufficient drainage has to be provided!

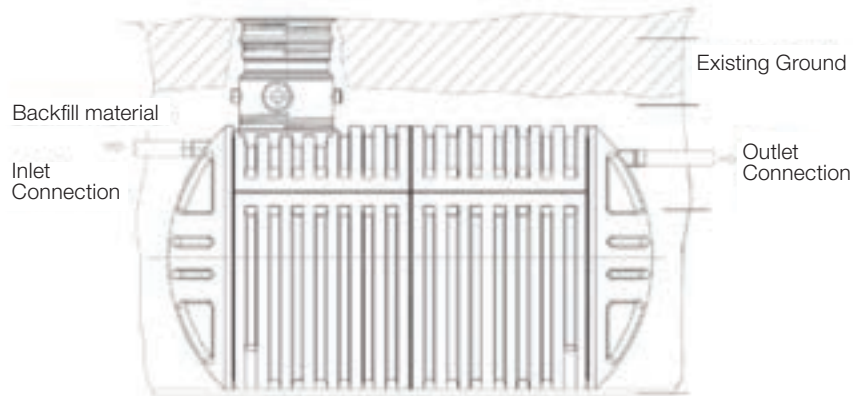
The tank is to be lifted with at least 2 lifting straps (not in scope of supply) and suitable lifting machinery (crane, excavator) and to be lowered into the pit evenly.

After positioning and connecting, the tank is to be filled with water to 2/3 full (volume).

Now, the space between tank and pit wall is filled with sand up to the height along the length of the inlet/outlet connections by washing-in the sand (C drawing 2). This must be performed manually.



Installation - Important Instructions



- Halgan AQUA 204 tanks are designed to take the weight of 11.5 tons axle load limit when all installation conditions are adhered to.
- The tower with cover is only built to carry persons and has to have a separate cover for heavier downward loads.
- Installation in areas subject to flooding & groundwater is only permitted when the level of water does not exceed the height of the middle of the tank. This can, among others, lead to damage to the tank.
- In areas of heavy, clay-like soils, the installation is only permitted when there is sufficient drainage underneath the body of the tank.
- The Halgan AQUA 204 is designed for installation inside level ground. Where the ground inclines more than 8°, then a Civil engineer should be consulted.
- Back material may only be compacted by hand-driven vibrating / compacting equipment



Easy to Transport



Easy to clean

- Improved and easy cleaning - Thanks to smooth inner wall



EASY TO HANDLE

- Low weight
- Simple installation



ALL INCLUSIVE

- Accessories included – completely fitted
- Fast installation and maintenance



GREEN PRODUCTION

- CO₂-friendly
- Manufacturing processes without gas and oil



Great Solutions





halgan pty ltd

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