

Product overview

GreenBlue's sustainable urban drainage system - ArborFlow - has been developed as an effective and environmentally robust means of managing surface water run-off.

Ideal for use in urban areas where space is at a premium, ArborFlow markedly reduces the velocity and flow rate of surface water run-off in urban areas.

Designed for a given catchment area it can contribute towards meeting the discharge rates allowed and set by regulatory authorities.



Features

- Multi-location water access points
- In-flow solids and silt removal
- Water distribution layer
- Specialist soil for optimum tree performance in SuDS scenarios
- Water out-flow volume control



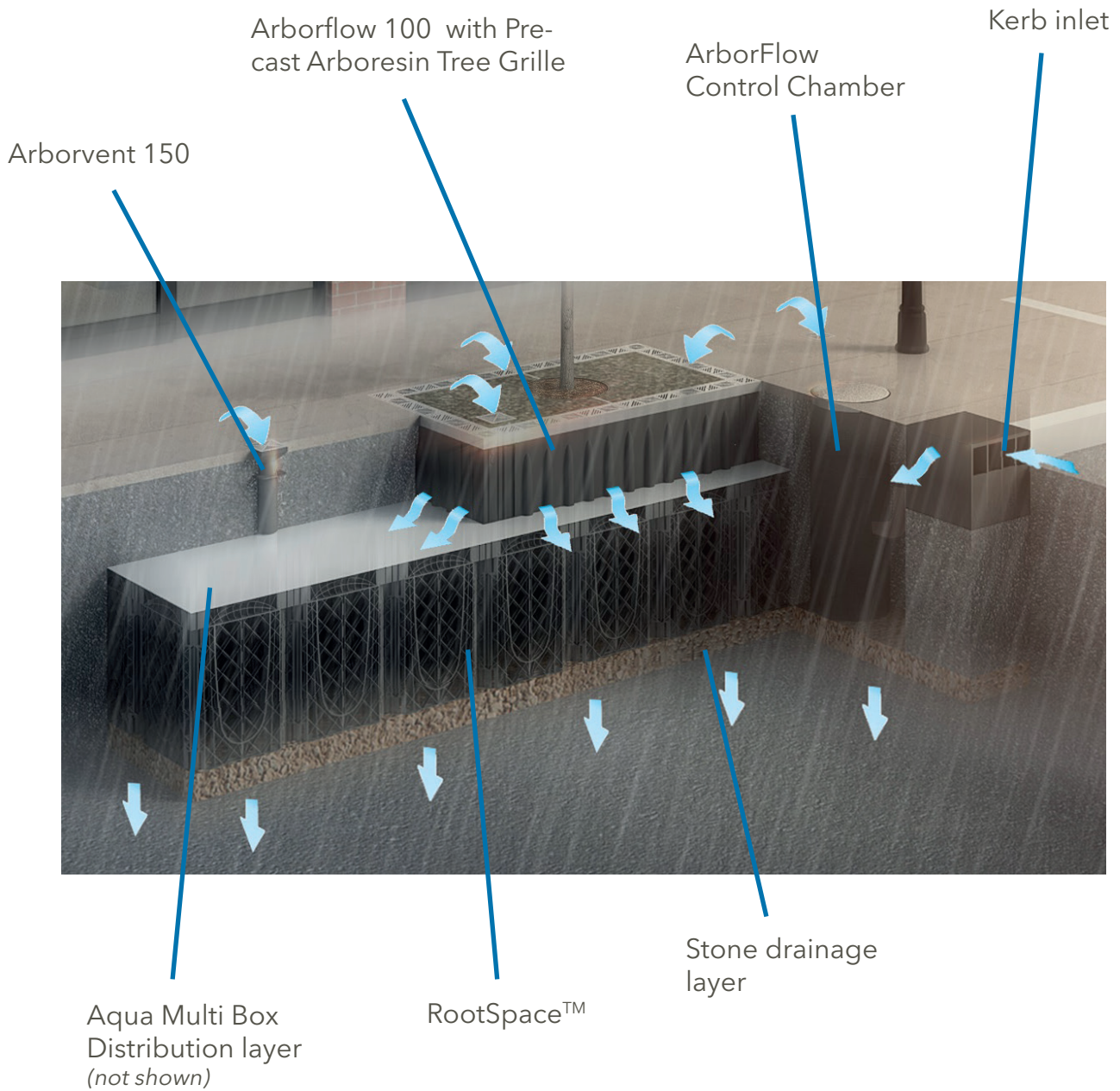
Benefits

- Simple installation
- Scalable to suit any catchment area or tree size
- Highly economical solution
- Effective pollutant removal / water cleansing
- Large water storage capacity





How it works





Components list

ArborFlow Control Chamber

- Combines functions of trapping silt and controlling the water out-flow

RootSpace

- The ultimate soil support system, made of recycled PP

ArborSoil Hydro

- Ultimate soil specification for optimum tree health and high water attenuation capacity

ArborFlow Kerb Inlet

- D400 certified cast iron inlet
- Meets BSEN124:2015

ArborFlow Aqua Multi Box

- Distribution layer load bearing

ArborFlow 100 series

- SuDS / Root Director system (scalable to suit any scheme proportions)
- Consists of moulded PP chambers and galvanised steel troughs and gratings

Alternative to Arborflow 100:

RD1000-RS & AquaFlowRD

- Root director with corner covers providing further water access points, made of recycled PP

Precast Arboresin Grille

- Highly porous precast resin bound tree grille, complete with irrigation system made of galvanised steel frame and tray system filled with Arboresin

GBU Geonet

GRN20A - Structural mesh for stabilising stone drainage layer and lateral soil retention
Laid over hessian layer, beneath and up the sides of RootSpace

Hessian - Biodegradable membrane to prevent silt clogging of the stone drainage layer
Laid on stone drainage layer at the bottom of the tree pit beneath RootSpace

Distribution Geonet - Prevents localised soil erosion by encouraging water distribution across the tree pit
Laid over RootSpace beneath Aqua Multi Box

2mm Geonet - Allows water flow while separating paving subbase from distribution layer
Laid over Aqua Multi Box beneath paving subbase

RootRain Arborvent 150

- Aeration system with 100mm diameter pipe and location manifold, made of cast aluminium

Tree pit should be finished with pervious paving laid on clean stone with no fines, as per manufacturers specification (not supplied)



Installation process

1. Excavate tree pit and check levels
2. Connect drain pipe with local sewer
3. Position **ArborFlow Control Chamber**
4. Lay drainage stone layer with **GRN20** and **Hessian**
5. Install **RootSpace™** and **ArborSoil Hydro**
6. Assemble **ArborFlow 100** system

Alternatively:

Position **RD1050A RootDirector** with **RD-AquaFlow** on the RootDirector corners

7. Lay **Distribution geonet** over **RootSpace™**
8. Install **Multi Aqua Box** distribution layer
9. Lay **2mm Geonet** over the distribution layer

System ready for paving and tree planting