Drainmax Tunnel Attenuation
Product Data Sheet

Products description

The Stormsaver Drainmax tunnels are a great alterntive to the typical crate system. They are fully maintainable and the units fit together in either single, or multiple rows (see figure 2) to create the overall capacity required. The end caps are separate and fitted at the end of each tunnel run, removing the need for holes to be cut out at either end to create the tunnel. This reduces installation time and labour costs. The tunnels can also be stacked for delivery, so keeps delivery costs to a minimum.

The tunnels can be used for attenuation or infiltrations systems. Each tunnel has a 1.6m³ capacity, with each end cap having a capacity of 200L. They can be installed under vehicular areas with the correct cover level. Each end cap comes with a DN300 hole to allow pipework upto 300mm to be connected to the system.

The tunnels are also able to be maintained and jetted out to ensure the maximum capacity is available for attenuation.

The system can be easily be combined with a Stormsaver rainwater harvesting systems to not only retain water, but re-use it.

Ancilliary items

Geomembrane	High quality Geomembrane to provide a strong, durable surround. The material is 500 microns thick and BBA Approved. Rolls are 4m x 12.5m and you will require enough to fully encompass the tunnels on the base, sides and top
Geotextile	If an infiltration system is required this can be used in place of the geomembrane. This fleecy material is used to fully encompass the tunnels and comes in either 100g, 200g or 300g thickness. Rolls are provided in either 4.5m or 5m width and 100m lengths.
Petrol Interceptors	Interceptor to remove fuel, oil and other chemicals from the collected water prior to the tunnels.
Silt traps	To remove any soil, organic matter and other debris from your collected water.
Flow control	This will be required to ensure the flow restrictions imposed on site are meet.

Maintenance

The tunnel system is easy to maintain by the addition of a sediment chamber being fitted prior to the primary tunnel and an inspection chamber after this primary tunnel. See figure 1 below:

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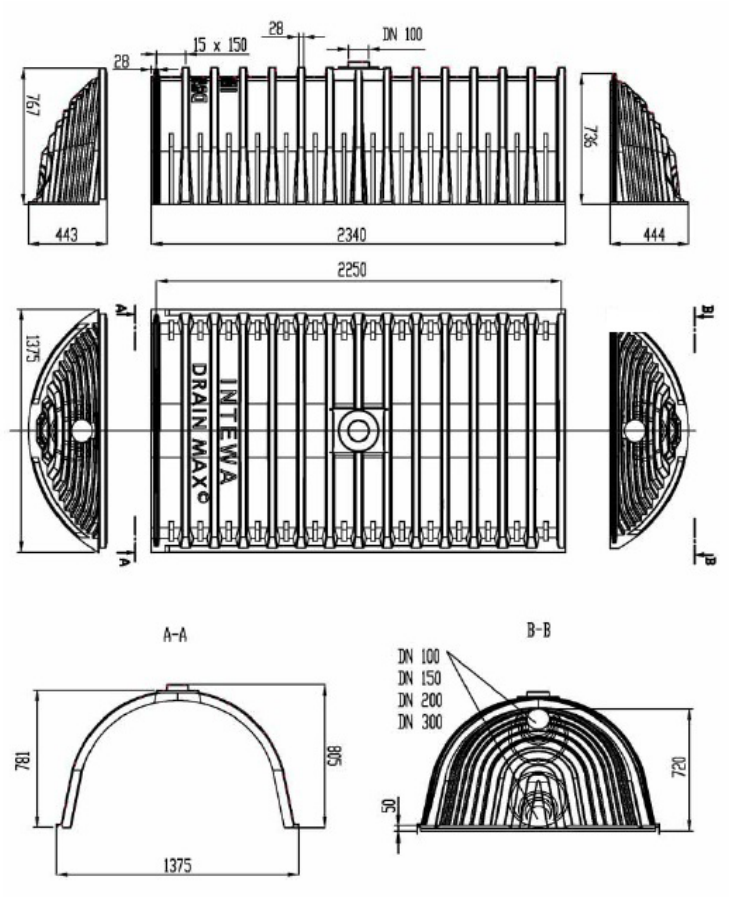
Technical Drawing



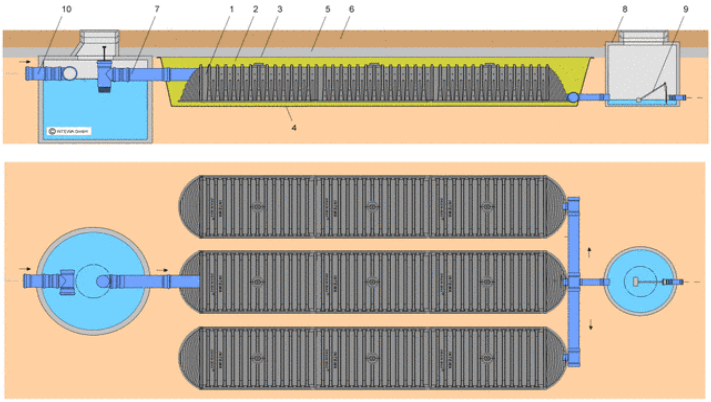


Figure 2

Technical Data

	Middle tunnel	Start section	End section
DRAINMAX parts	DM-T-1600-M/60	DM-T-100-S/60	DM-T-100-E/60
Length	2340 mm	443 mm	444 mm
Width	1375 mm	1375 mm	1375 mm
Height (corrugated shoulder)	781 mm	767 mm	736 mm
Height (Dome connection)	805 mm	--	--
effective used length	2250 mm	--	--
Load class	HGV60	HGV60	HGV60
Weight	32 kg	5,5 kg	5,6 kg
Material	PE-HD	PE-HD	PE-HD
Connections	1 x DN100 (Dome)	DN100-300	DN100-300
Approved tolerance	± 4 %	± 4 %	± 4 %
Approved processing temperature	+2 to + 30°C	+2 to + 30°C	+2 to + 30°C
Storage volume	1,6 m³	0,1 m³	0,1 m³

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