

Stormwater management

Stormwater storage






Rigofill® inspect Storage/infiltration module

Polypropylene storage/infiltration module featuring approval by the German Institute for Building Technology (*Deutsches Institut für Bautechnik (DIBt)*) and RAL stormwater system quality mark. 95 % void ratio, with continuous inspection tunnel for automotive dollies with a camera size for pipes from DN 200, colour: green

Technical data

Application:	Highly durable and hard-wearing storage/infiltration module for the construction of gravel-free swales for the infiltration, retention and storage of stormwater runoff in combination with RigoFlor special geotextile lining, QuadroControl inspection shafts and more accessories.	
Material / raw material:	PP (polypropylene)	
Specification/ approvals:	Germany: DIBt (German Institute for Building Technology) approval no. Z-42.1-473, including approved application according to RStO 12 up to and including resistance class 3.2 RAL (quality mark for stormwater systems) User approval of DB Netz AG Can be used for fire water storage (RigoCollect) according to DIN 14230 France: CSTB (Centre Scientifique et Technique du Bâtiment) Belgium: BCCA (Belgian Construction Certification Association) Poland: IBDiM (Instytut Badawczy Dróg i Mostów) Switzerland: Qplus Swiss Quality	
Dimensions: Length x width [m]	0.80 x 0.80	
Height: [m]	Half block 0.35	Full block 0,66
Weight: [kg]	12	20
Storage capacity: [%]	95	95
Volume [litres]:	Gross volume: 224 Storage volume: 211	Gross volume: 422 Storage volume: 400
Nominal diameter of inlet/outlet at the storage/infiltration module:	Long side, at the module: Front side - Using end plate/ - Adapter end plate - Using connection panel	Structured-wall pipe DN 150 Solid-wall pipe DN/OD 110, DN/OD 160 Structured-wall pipe DN 150 and DN 200 Solid-wall pipe DN/OD 110, DN/OD 160, DN/OD 200 Solid-wall pipe DN/OD 250

Carrying capacity:	<p>Maximum cover up to 4 m*</p> <p>Maximum soil depth up to 6 m*</p> <p>Heavy goods vehicle traffic (SLW 60/HGV 60) from a minimum cover of 80 cm with proper road layout</p> <p>Long-term resistance has been proven</p>
Stackability:	<p>Horizontal and vertical connect using connectors</p>
Inspectability:	<p>Continuous, rectangular inspection tunnel W x H 0.22 m x 0.27 m, designed for the use of automotive dollies with a camera size for pipes from DN 200 for optimum inspection of the permeable surfaces (geotextile wrapping) as well as inspection of all statically relevant bearing-type fixtures.</p>
Inspection shaft:	<p>QuadroControl system shaft can be integrated anywhere in the modular block type structure, as inspection shaft, ventilation of the system with QuadroControl when using shaft covers with ventilation openings</p> <p>See QuadroControl product data sheet</p> <p> www.fraenkische.com</p>
Accessories:	<p>For Rigofill inspect accessories, see Price catalogue / Stormwater management manual</p> <p>For QuadroControl D_o 600 accessories, see Price catalogue / Stormwater management manual</p> <p> www.fraenkische.com</p>
Miscellaneous:	<p>Installation according to "Rigofill inspect" installation manual</p> <p> www.fraenkische.com</p>

* depending on local installation conditions

