Composite steel reinforced pipe

(Item No. G71200)

Unique Composite Steel Reinforced Pipe Structure.

Typical applications:

- Surface water drainage or storage tank
- Rainwater Harvesting tanks
- Bespoke large diameter manholes and chambers

Key Features:

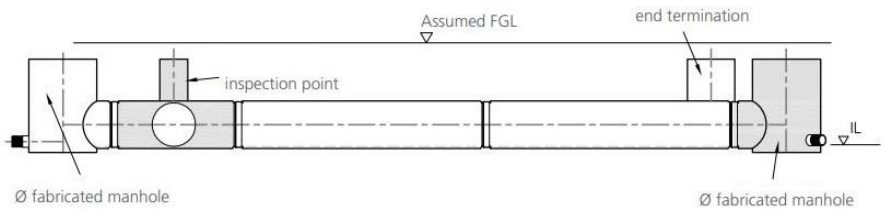
- Pipes are available in 10 different diameters from 900mmø to 2250mmø to suit the hydraulic, structural and storage criteria for each project
- Composite material - Unique Composite Steel Reinforced Pipe Structure
- Spigot & Socket, Push-Fit Joints with Integral Rubber Seal
- Minimal OD of pipe and slimline joints
- Lightweight - CSR Pipe is 5% the weight of concrete pipe, and lighter yet stronger than plastic pipe
- Joint Bright marker - Bright Red Spigot provides highly visible indication that the joint is made

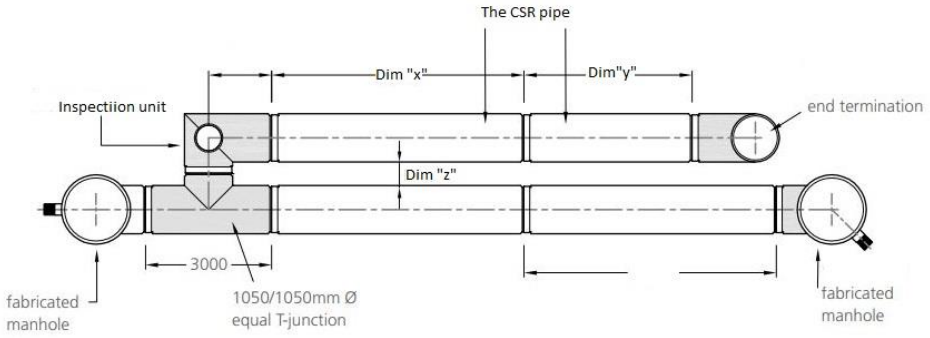
Key Benefits:

- Slimline pipes and joints enable pipes to be laid in narrower trenches, requiring much less excavation and backfill material
- The stiffness of CSR pipes is derived from the steel element of the pipe, ensuring it's long-term structural performance
- Tolerant to deformation and movement minimising any potential leakage
- Larger diameters can be internally welded if needed
- Easy to inspect and maintain
- Chemically resistant
- High resistance to site damage under normal usage conditions

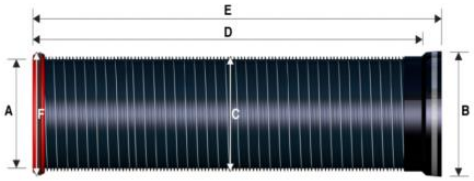
Drawing example:

The unique range of large diameter fittings enables engineers and contractors to design and build complete tank systems for rainwater and surface water attenuation storage. The pipes are much more robust and durable than alternative plastic system fabrications. The pipe system is ideal for use as a re-use storage tank in any multi-occupancy building such a schools, hotels and hospitals or any where there is a high water demand. The off-site construction of manifolds and other chambers ensures a quick installation.





Technical data:



Nominal Diameter (mm)	A	900	1050	1200	1350	1500	1650	1800	1950	2100	2250
Pipe O.D (mm)	C	951	1116	1261	1411	1561	1736	1886	2036	2186	2336
Socket O.D (mm)	B	980	1145	1290	1440	1590	1765	1915	2065	2215	2365
Spigot O.D (mm)	F	965	113	1275	1425	1575	1750	1900	2050	2200	2350
Effective Length (mm)	D	3000	3000	3000	3000	2600	2600	2600	2600	2600	2600
Overall Length (mm)	E	3180	3180	3180	3180	2780	2780	2780	2780	2780	2780
Weight kg		154	192	209	240	237	294	319	373	417	471
Pipes per load		20	16	16	16	8	8	7	6	6	6
Meters per load		60	48	48	48	20.8	20.8	18.2	15.6	15.6	15.6

Specification clause:

The rainwater / attenuation storage tanks should be CSR Pipe xxxxmm diameter by Aquality Ltd, 6 Wadsworth Rd, Perivale,London. UB6 7JJ.The composite steel reinforced pipes should be polyethylene grade PE63 HDPE and steel grade DC01, all manufactured to comply with appropriate standards. Double Fin Sliding seal x mm wide and y mm high permanently fitted during production into a recess on the pipe spigot, and manufactured to BS EN681-1.

NBS specification:

The pipes should be specified in NBS section R12:315 Below ground drainage systems. Assistance in completing this clause can be found in the Aquality Trading and Consulting Ltd entry in NBS Plus or a model specification can be downloaded from www.aqua-lity.co.uk. For further assistance, please contact the Aquality Engineering Team.

Available accessories:

- Vortex Flow control chamber- A system to regulate stormwater run-off *(G72100)*
- Advanced filter chamber – An advanced stormwater treatment system *(G70200)*
- BV filter - A submerged filter for stormwater treatment *(G11022, G11023, G11024, G11025, G11026)*
- TF filter – A pre-filter for stormwater treatment *(G11141, G11142, G11143, G11144)*
- Aqua Storm Control Lite *(G20400)*
- Aqua Storm Control Optimum – Powered by Opti *(G20100)*

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