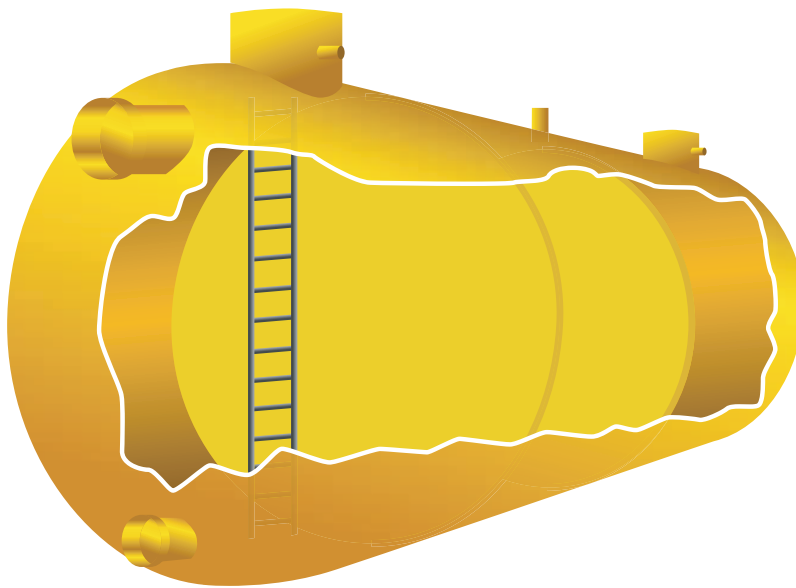


Attenuation, Sprinkler & Storage Systems

Underground Storage



Single & Double Wall Tanks for the storage of:

- Water
- Chemicals
- Effluent
- Sewage
- Other Bulk liquids
- Turnkey solutions including installation, commissioning & maintenance

PRODUCT RANGE



BISON Packaged Sewage Treatment Plants 6-20 P.E.



Clereflo CT35-600 Packaged Sewage Treatment Systems



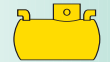
Clereflo M Series Packaged Sewage Treatment Systems (up to 5000 P.E.)



Clereflo MBR Membrane Technology Packaged Sewage Treatment Systems (up to 5000 P.E.)



Packaged Pumping Stations



Class I & II Bypass & Full Retention Oil/Water Separators



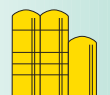
Attenuation Tank Storm Water Balancing



General Underground Storage Tanks



Sprinkler Tanks



Above Ground Engineered Vessels

Plus:

Double Walled Tanks

Fuel Tanks

Cesspools & Septics

Rainwater Harvesting Systems

Grease/Oil Separators

Bucket Lift Elevators

Screenpack CSO's

BISON Cell Modular Storage

ATTENUATION TANK SYSTEMS

- Wide range of tank sizes to meet any project requirement
- Choice of interior partitions, e.g. with by-pass ducts/weirs, pressure release valves, both load bearing and non-load bearing
- Choice of access shafts - standard or customised - whether circular, square or rectangular to your height specification
- Inlet and outlet connections may be installed in any specified position, to the size and angle required
- Interior tank walls are 'resin-rich' to provide a durable, chemical and corrosion resistant surface with excellent flow characteristics
- Pumps to raise storm water to local mains system can be installed on pump platforms or with an integral sump. EPS also supply packaged pumping stations
- Flow regulators to ensure controlled discharge of water to meet local authority requirements
- Full technical assistance, including supporting calculations, available to ensure your system meets predicted storm water capacity and allowable discharge rates

Pipework connections to suit client requirement



Inlet/outlet pipework in any position

BISON BLOCK SYSTEM

- Storm water attenuation modules for shallow installations, SUDS compliance & storage projects
- Flexible, low cost installation - easily cut on site
- Standard module dimensions: 2400mm (L), 610mm (H), 325mm (W). Custom sizes on request
- Loadings for: pedestrian, car parks and heavy duty



1.0

Metre Diameter Vessels

Capacity (litres)	Length (mm)	Weight empty (kg)
1,000	1,400	50
1,500	2,036	70
2,000	3,310	105
3,000	3,946	120
5,000	6,493	190

1.2

Metre Diameter Vessels

Capacity (litres)	Length (mm)	Weight empty (kg)
1,500	1,480	75
2,500	2,366	110
3,000	2,810	125
4,500	4,135	175
6,000	5,460	230
8,000	7,230	300

1.5

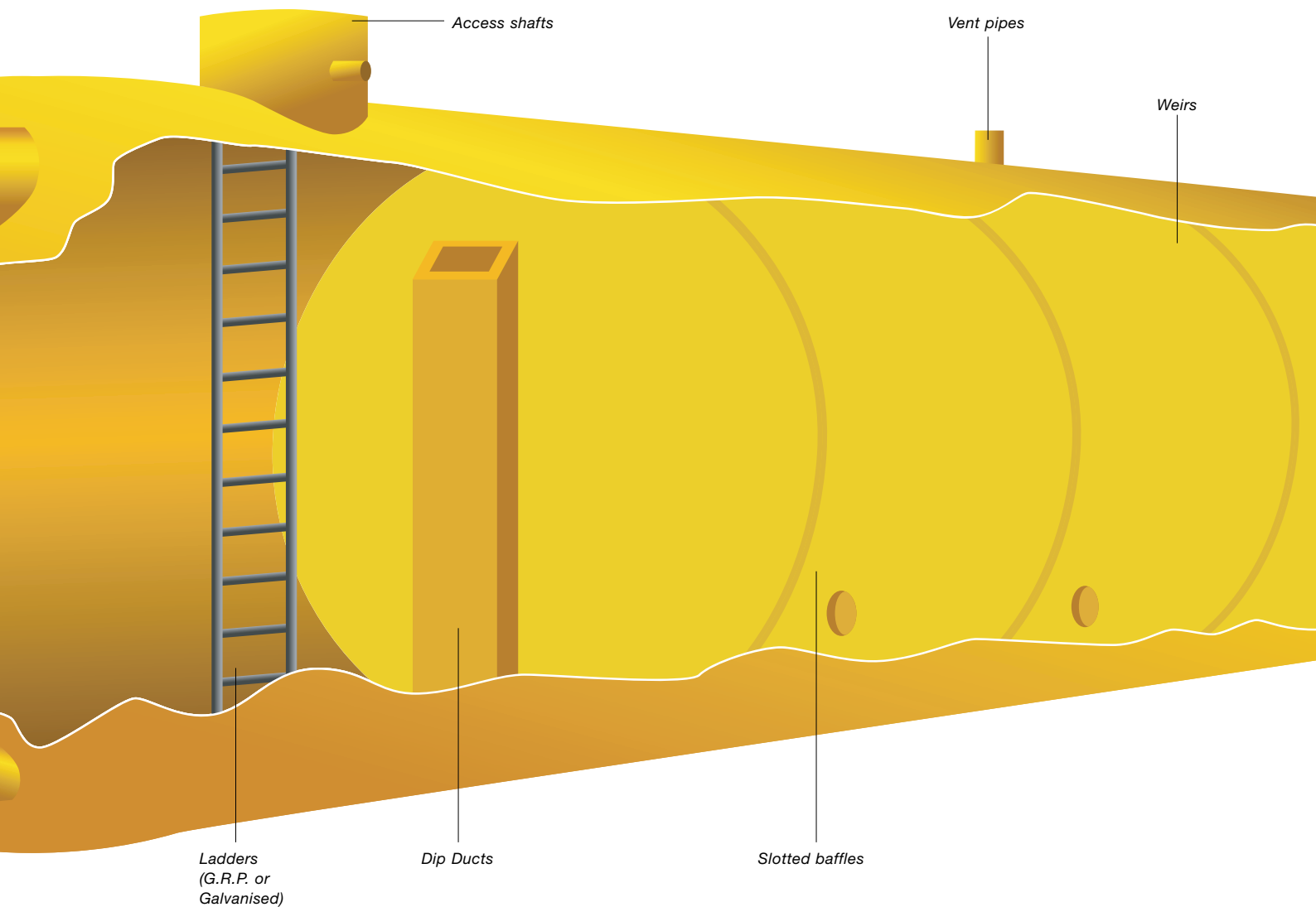
Metre Diameter Vessels

Capacity (litres)	Length (mm)	Weight empty (kg)
3,000	1,947	155
6,000	3,645	285
7,500	4,495	350
9,000	5,343	410
12,000	7,040	540
15,000	8,738	670

1.8

Metre Diameter Vessels

Capacity (litres)	Length (mm)	Weight empty (kg)
5,000	2,265	175
9,000	3,837	300
12,000	5,016	400
15,000	6,195	490
18,000	7,374	590
22,000	8,946	710
27,000	10,911	875
30,000	12,090	975



2.5

Metre Diameter Vessels

Capacity (litres)	Length (mm)	Weight empty (kg)
15,000	3,510	670
18,000	4,120	760
22,000	4,930	880
27,000	5,950	1,030
30,000	6,560	1,150
40,000	8,600	1,440
50,000	10,640	1,705
60,000	12,670	2,000
70,000	14,710	2,300
84,000	17,560	2,700

3.0

Metre Diameter Vessels

Capacity (litres)	Length (mm)	Weight empty (kg)
25,000	4,040	1,100
50,000	7,570	1,825
80,000	11,820	2,700
90,000	13,230	3,000
100,000	14,650	3,300
110,000	16,060	3,600
120,000	17,480	3,850
130,000	18,890	4,150
140,000	20,300	4,450
150,000	21,720	4,750

4.0

Metre Diameter Vessels

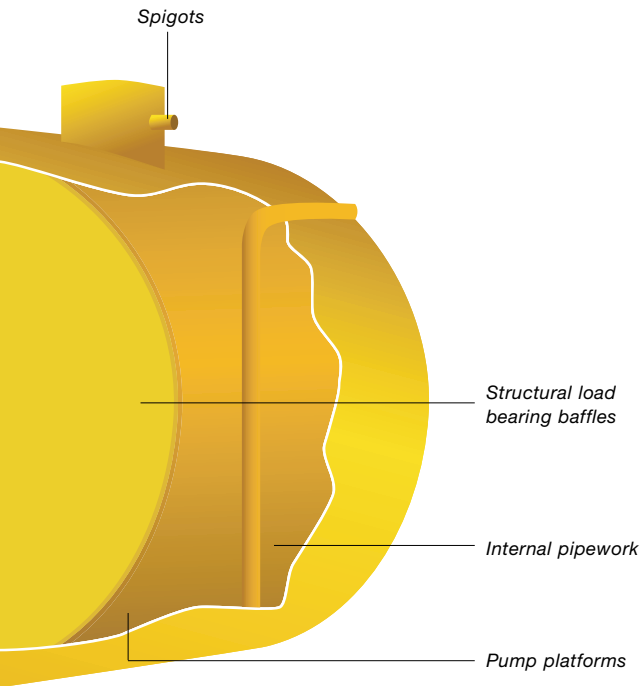
Capacity (litres)	Length (mm)	Weight empty (kg)
50,000	4,640	2,475
100,000	8,610	3,950
150,000	12,590	5,375
165,000	13,790	5,825
180,000	14,980	6,250
200,000	16,570	6,850
220,000	18,160	7,450
240,000	19,750	8,050
260,000	21,340	8,625
275,000	22,540	9,050

UNDERGROUND STORAGE SIZING TABLES:

Tables are strictly for guidance only. Tanks are generally sized & manufactured to suit the application.

Weights are for basic vessels, concrete surround installation, all fittings etc. need to be added.

SPRINKLER TANKS



- Designed to meet any specification for sprinkler or fire fighting needs
- Comprehensive underground systems can be designed with load bearing structural partition dividing a dry pumping chamber, with ladder access, and an adjoining water storage tank
- Low level sumps available to maximise storage/discharge capacity
- Access requirements designed to suit the tank's specific inlet and fittings
- Complete range of ancillary items including access ladders, flanged pipework connections, ball floats, check valves and vortex inhibitors



GENERAL UNDERGROUND STORAGE TANKS

- Designed to be suitable for storing a wide range of clean or corrosive liquids. Applications include potable water, fuels, industrial effluents, domestic sewage, chemicals and other bulk liquids
- Bespoke products and customised tanks designed and manufactured to meet individual applications and customer requirements
- Tanks are usually structured in three layers from BS 5705 materials. Specific additional resins can be incorporated into each layer to ensure durable, protective tank performance and the safe, risk-free storage of corrosive or aggressive liquids and chemicals
- Experienced EPS Specification Advisors are always on hand to discuss product storage projects, no matter how complex, and to advise on regulations, accessory options, and to ensure the correct resin selection - simply call for more information

DOUBLE WALL TANKS

- Double Wall GRP storage tanks manufactured using unique, computer-controlled patented rib design - fully compliant with PPG27 and BS EN ISO9001:2000
- Double Wall construction incorporates an interstitial space filled with a glycol/water mixture. Leak detection/alarm units available

UNDERGROUND STORAGE TANKS

FEATURES AND BENEFITS

- Manufacture to BS 4994 and BS EN 976
- All vessels certified to BS EN ISO 9001 Design & Build
- Full expertise in the design of large farm or single tank stormwater balancing/attenuation systems, or sprinkler systems
- Proven high performance and specialist product storage/holding expertise
- Maintenance-free and corrosion resistant vessels
- Versatile manufacturing offers options for either granular or concrete backfill
- Lightweight construction allows easy installation
- Choice of standard tanks or custom-made systems with all access facilities, flanges, baffles, fittings and accessories, e.g. pumps and flow controllers, designed and installed to meet specific project requirements
- Full capability to manufacture grit arresting/sludge containment tanks, fire fighting reservoir tanks, oil dump tanks as well as systems which can hold solids in suspension or collect accidental chemical spillage
- Full technical, AutoCAD and product support



ACCESSORIES

SUBMERSIBLE PUMPS, PIPEWORK & VALVES

- The latest range of quality submersible pumps, vortex, channel or macerator products complete with internal pipework and valves - guide rail mounted or free-standing. Some sitework may be needed for deeper installations, otherwise products are generally factory fitted

ACCESS LADDERS

- Full range available to provide safe access to meet HSA and CDM regulations

FLOW REGULATORS

- Proven performance, high quality stainless steel flow regulators, complete with bypass door arrangements, for installation either integrally or downstream of the underground storage tank

BALL FLOATS, CHECK VALVES & VORTEX INHIBITORS

- Supplied with sprinkler tank systems to suit customer project requirements

CAPABILITY AND QUALITY

EPS Bison is presently one of the leading Irish suppliers of GRP tanks and products. Conder products are a European leader in GRP tank design, manufacture, testing and supply.

With over 35 years experience each, together our partnership offers a proven and extensive capability to provide underground storage solutions for all types of commercial, industrial and residential developments.

Our partnership offers:

- Europe's largest automated production facilities
- Turnkey solution from first enquiry through to installation, commissioning and planned servicing
- Innovative design and build experience to strict quality standards - certified to BS EN ISO 9001 and BS EN ISO 14001
- Design & Build - to meet even the most demanding project requirements
- Selected products also manufactured to BS 4994, Cats 1, 2 & 3, EN976 and EN858
- Industry leading state-of-the-art mandrels to create vessels with up to 275,000 litres capacity and from 1m-4m in diameter
- Wide range of industry approvals
- 100s of successful installations
- In-depth technical service and specification support for every project
- Full compliance with the latest environmental and building regulations
- In-house materials testing capability and QA laboratory
- All products supplied with detailed O&M and installation manuals
- All services under one roof - single point of contact for customers
- Full 12 month warranty on all products subject to installation in accordance with our guidelines



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Facsimile: 022 31250

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