

Ground Level or On-Fill WATER TANKS (RSR)

TANKS THAT ARE QUICK AND EASY TO INSTALL

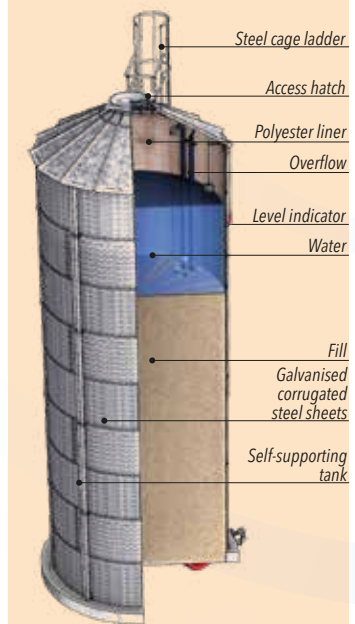
The safe and affordable way to store drinking water

A range of tanks from 10–110 m³, on the ground or on fill 3 metres or 6 metres high. Other heights possible when the tank is installed on a stand.



- Full support, from identifying requirements to priming, capitalising on 20 years' experience in drinking water supply in Sub-Saharan Africa.
- The tanks are assembled in less than a week using hand tools to bolt together the metal sheets and fittings. They are erected using a tripod and chain hoist.
- The tank sheets and elements are made from hot-dip galvanised steel.
- Water-tightness is ensured by a food-grade reinforced PVC liner, with a ten-year guarantee.
- The load height is obtained by raising the liner inside the tank. The space between the ground level and the bottom of the liner is filled with sand to the desired height below the water storage area.
- Simple structural work: a circular reinforced concrete pad is all that is needed: 2 m³ of reinforced concrete for a 75 m³ tank.
- A ground level or on-fill water tank is also the ideal and affordable solution on low weight-bearing ground (boggy land) where raising the tank is complex.
- A comprehensive package: the tanks are provided with all the hydraulic fittings, secured access equipment (cage ladder) and an automatic fill-stop system.

MAIN COMPONENTS



Ground Level or On-Fill Water Tanks



Tank installed on a stand



Preparing the fill

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TECHNICAL SPECIFICATIONS

VOLUMES

14, 21, 24, 36, 57, 73, 82, 96 and 111 m³.

HEIGHT UNDER LINER

Standard range of 0, 3 or 6 m.

TANK SPECIFICATIONS

Self-supporting tank.

For easy installation and lightness, the tank is made from S350GD + Z450 galvanised corrugated steel sheet, compliant with standard EN 10346.

Sheet thickness: 0.85-2.5 mm, depending on tank model.

Truss thickness: 1.5-4 mm, depending on tank model.

Mounting hardware protected against corrosion: minimum grade 8.8.

TANK WATER TIGHTNESS

The food-grade PVC-coated polyester liner is supplied as a single-section watertight element with fixing points to adjust it inside the tank. Felt liner protection made from SICAM GSP5 type polypropylene fibre.

ASSEMBLY

The tank is bolted together on site.

ACCESSORIES

Discharge, outlet valve, drainage and overflow available in 2-inch, 2.5-inch and 3-inch versions: feed-throughs made from rustproof materials.

Galvanised steel cage ladder for tank access.

Stainless steel ladder to descend inside the tank.

Removable aluminium ladder to access the cage ladder.

Access hatch on the tank roof.

Safety rings.

Level indicator on the outer tank wall.

WIND RESISTANCE

Wind class: Zone 4

Basic wind speed V_b = 140 kph

TRANSPORT AND HANDLING

All elements are delivered fully secured on pallets and are easy to transport.

MAINTENANCE

Use soapy water and a sponge to clean the liner.

SERIAL NUMBERS

WATER HEIGHT IN TANK (m)	VOLUME (m ³)	"GROUND LEVEL TANK"	"3-M OFF-GROUND"	"6-M OFF-GROUND"
2.2	14	302*	305	308
	24	402	405	408
	73	702	705	708
	96	802	805	808
3.3	21	303	306	309
	36	403	406	409
	57	503	506	509
	82	603	606	609
	111	703	706	709

* Numbering rule: 302 for 3 sheets per ferrule and 2 ferrules, 705 for 7 sheets per ferrule and 5 ferrules, etc.



Level indicator on the outer tank wall.



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Follow us on:



Vergnet Hydro
Groupe Odial Solutions
Odial Solutions Group

6, rue Lavoisier • 45140 Ingré • France

T +33 (0)2 38 22 75 10

M eau@vergnet-hydro.fr

