

# Water / Waste Water Bladder Tanks



Often referred to as 'layflat' or 'pillow' tanks. Our bladder tanks have been developed especially for the harsh emergency aid environment. There are two specifications, one for economic water storage and the second for heavy duty multi-site storage applications and water transportation.

The tanks can be unrolled and used on any area of flat ground that has been cleared of debris.

- 1,000 to 150,000 litre capacity
- Suitable for ALL climates
- Installed by 2 people in approximately 5 to 10 minutes
- Fast deployed storage of drinking water
- All tanks supplied packed in an ISPM15 heat treated plywood case suitable for export, and include all necessary tools, instruction manual, repair kit
- All tanks can be supplied with outlet valves and pipework, or as kits with pumps and tapstands
- Our Bladder tanks are suitable for waste water chemical contamination applications and can be used within a CBRN approved system.



Corner Module



Above: Lightweight Tank Outlet  
Below: Aluminium outlet with 1/4 turn valve and plug



*Ideal in remote system set-ups*



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# Technical Data



## Construction Detail

All bladders are fitted with reinforced corner mouldings with integral tie-down holes and an automatic pressure relief valve set at 1PSI (0.007Nm/m<sup>2</sup>) to prevent bursting through overfilling.

## Static Water Tank Outlets:-

One 2" BSP(M) reinforced PP moulded outlet with screw cap to one side of tank  
One 4" BSP(F) PP moulded outlet with PVC screwed cap and integral pressure relief valve at the top of the tank. Larger bladders (60,000 litre +) are fitted with two 4" Top caps with covers.

## Heavy Duty Static and Transport use Water Tank Outlets:-

Two 2" BSP(F) anodised aluminium screwed outlets installed to one side of the tank.  
One 4" BSP(F) anodised aluminium screwed outlet with PP screwed plug incorporating an integral pressure relief valve at the top of the tank. Extra outlets can be provided to suit the tank application.

## Material for tanks up to 50,000 litre capacity

- Base cloth: PES/PES 1100g/m<sup>2</sup>
- Breaking strength: 4000N/5cm
- Tear strength: 600N
- Adhesion: 100N/5cm
- Temperature resistance: -30 °C to +70 °C



2" Heavy duty outlet

## Material for tanks up to 200,000 litre capacity

- Base cloth: 1670 dtex high tenacity polyamide
- Weight: 1250g/m<sup>2</sup>
- Breaking strength: 5500 / 5000N/5cm
- Tear strength: 900 / 800N
- Adhesion: 125N/5cm
- Temperature resistance: -30 °C to +70 °C

## Groundsheets

Produced approximately 1.00m larger than the bladder tank dimensions when empty. All groundsheets are fitted with moulded in eyelets for pegging down if required.

Capacity (L)	Tank Layflat Size (m)	G/sheet Size (m)	Tank Approx. Size filled (m)
1,000	1.50 x 2.60	2.50 x 4.00	1.00 x 2.10 x 0.50
2,000	2.30 x 2.60	3.50 x 4.00	1.70 x 2.00 x 0.60
3,000	3.10 x 2.60	4.00 x 4.00	2.50 x 2.00 x 0.60
5,000	4.50 x 2.60	5.50 x 4.00	3.80 x 1.90 x 0.70
10,000	3.40 x 5.20	4.50 x 6.00	2.40 x 4.20 x 1.00
15,000	4.50 x 5.20	5.50 x 6.00	3.40 x 4.10 x 1.10
20,000	5.40 x 5.20	6.00 x 6.00	4.20 x 4.00 x 1.20
30,000	7.20 x 5.20	8.50 x 6.00	5.90 x 3.90 x 1.30
40,000	7.20 x 6.55	8.50 x 7.50	5.90 x 5.25 x 1.30
50,000	8.30 x 6.50	9.30 x 7.50	6.80 x 5.00 x 1.50
60,000	8.40 x 7.35	10.00 x 8.35	6.90 x 5.35 x 1.50
80,000	9.20 x 7.35	10.00 x 8.35	7.70 x 5.35 x 1.50
100,000	11.00 x 8.60	12.00 x 9.60	9.50 x 7.10 x 1.50
120,000	12.30 x 8.60	14.00 x 9.60	11.30 x 7.10 x 1.50
150,000	13.60 x 9.80	15.00 x 10.30	11.10 x 8.30 x 1.50



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