



BladderPak

Industrial Liquid Storage Bladders

What is a Liquid Storage Bladder?

Made by Fabric Solutions Australia, BladderPak Industrial bladders are self supporting, flexible containers that can be used to store all types of liquids including drinking water, waste liquids and many chemicals. The greatest benefit of a BladderPak Bladder is that they are tough, portable, and easy to install. This makes them ideal for temporary storage use or where it is difficult or too costly to build a more permanent solution.

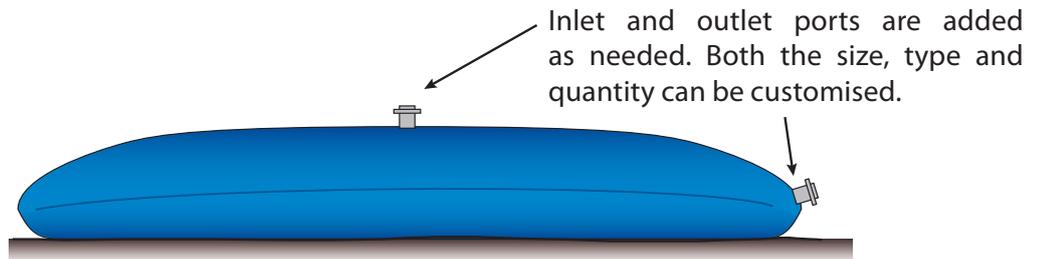
The Main Parts of a Bladder

Tough materials are needed to withstand the high load stresses that a bladder is subjected to. That is why we only use high quality, reinforced materials.

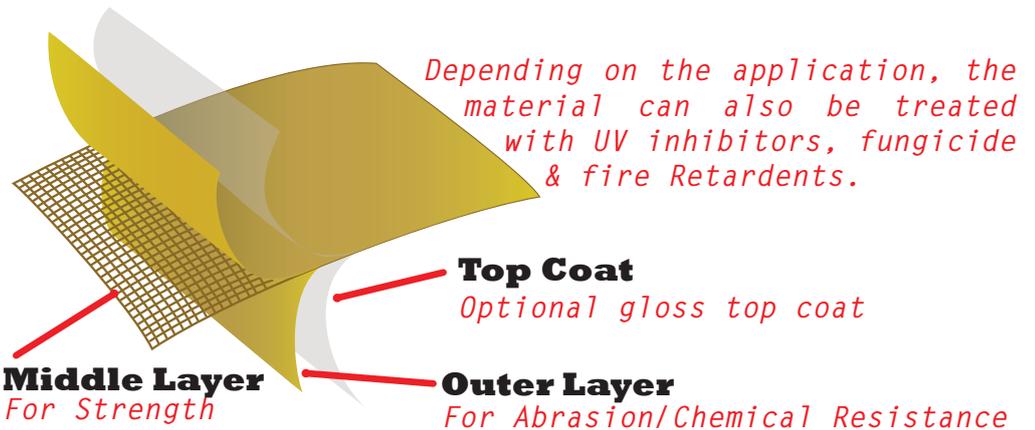
Tough joints are needed to make sure leaks don't occur. All seams are either HF or Hot Wedge Welded. This technique makes joints that are super strong with no glues that can fail or split apart.

A geotextile or RPVC underlay is used as a protection layer when the surface is rough. RPVC can also act as a secondary containment barrier.

Liquid containment bladders are ideally suited for short term, but repeated use applications.

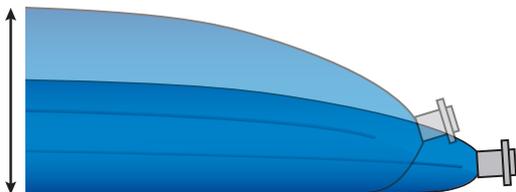


Bladders use Reinforced Membranes Engineered for Strength



We can make bladders up to 350,000 litres* which can be daisy chained for unlimited storage.

How a Bladder Works



As the bladder fills it will gain height but in the process will lose some width. This leads to an increase in the circumferential load (hoop stress), limiting the maximum fill height achievable.

The maximum fill height of a water bladder is usually limited to approx.

1.3m in height for very large bladders. This is why only strong materials can be used in making a bladder.

Another advantage of bladders is that they only take up the volume of the contents. So not only can you save on space, but this means there is only a minimal amount of air trapped inside.

This greatly reduces the chances of contamination from oxidation, condensation or insects. Plus there will be no evaporation.

	Water	Potable, Waste & Chemical Liquid Containment Solutions
	Waste Chemical	
		Emergency - Mining - Industrial - Residential

*maximum storage capacity of a bladder is dependent on several factors, including the material used.

Free Call: 1800 039 996

Email: info@fabricsolutions.com.au

Website: www.fabricsolutions.com.au/water-bladders/





Water
Waste
Chemical

Potable, Waste & Chemical Liquid Containment Solutions

Emergency - Mining - Industrial - Residential

Technical Specifications (sample only, many more sizes available)

Vol. (litres)	Unfilled Size (metres)	Max. Fill Height	Empty Weight (kg)
500	1.5 x 1.2	0.4m	12.5
1000	2.3 x 1.6	0.4m	16
2000	2.3 x 2.4	0.5m	18
3000	2.3 x 3.1	0.6m	22
3800	2.3 x 4.0	0.6m	37
5000	3.5 x 3.2	0.65m	41
7600	3.5 x 4.4	0.7m	57
10000	3.5 x 5.8	0.7m	59
15200	4.7 x 4.6	1.0m	82
20000	4.7 x 5.6	1.1m	93
25000	4.7 x 6.8	1.1m	106
30000	5.9 x 6.0	1.2m	114
40000	7.2 x 6.0	1.3m	131
50000	7.2 x 7.6	1.3m	157
60000	7.2 x 9.0	1.3m	180
76000	9.6 x 8.6	1.3m	221
95000	9.6 x 10.8	1.3m	248
100000	9.6 x 11.4	1.3m	283
152000	12.0 x 13.8	1.3m	499
200000	12.0 x 18.0	1.3m	637

Applications

grey/black water, **contaminated water**, effluent, **slurries**, diesel fuel, **potable water**, chemicals & oils, **AV gas**, temporary water storage when a tank is being repaired, **emergency water**, remote areas ...

Benefits

Tough - Portable - Easy to Install

store fuel[#], chemicals or waste liquids up to 350,000 litres* **modular: daisy chain to increase storage space** chemical, UV and algae resistant **bladders are closed storage, so no: oxidation, condensation, evaporation, mosquitoes or other contamination.**

Strength of Materials

We use strong reinforced membranes to make an industrial liquid bladder. In fact the tensile strength is 5000N/50 mm for our standard material. This means if we were to put a weight on a 50 mm strip, it can take a load of 500kg!

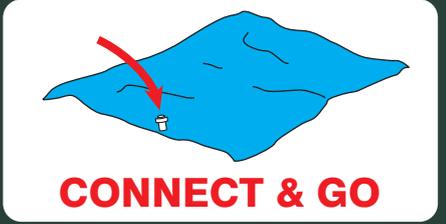
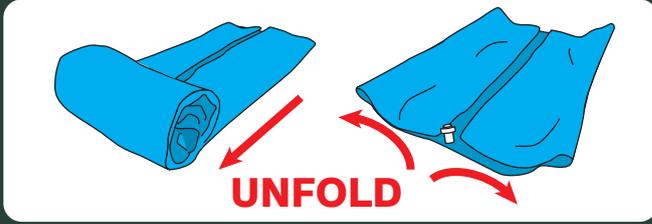
TENSILE STRENGTH
at 50mm wide
RATED TO: 500kg LOAD

To ensure quality, every bladder is pressurised and leak tested after manufacture.



Bladders can also be daisy chained to create extra storage capability.

Installation is simple: Just UNPACK - UNFOLD - CONNECT & GO!



Quick To Set Up, Can Be Installed Just About Anywhere



*maximum storage capacity of a bladder is dependent on several factors, including the material used. [#]Due to the aggressive nature of petrol, this liquid cannot be stored.

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