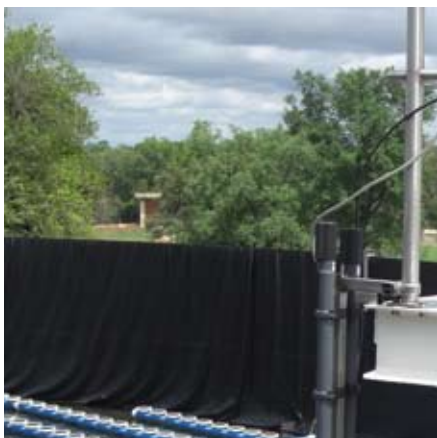


PRODUCT INNOVATIONS

# *Watertanks*



## Watersilo's

### Watersilo's

**PREFABtank** storage systems are made of galvanised, corrugated steel panels. The well-conceived design has many practical advantages. The corrugation (76 x 18 mm) creates strength and rigidity even with thinner panels, allowing the construction of water tanks with diameters up to 31 metres and wall thicknesses of 0.8 - 2.0 mm. The tank panels are jointed by means of bolts, nuts and washers. Because of its light weight and the simple bolt connections, the **PREFABtank** storage system can be easily installed by two to four people; no special hoisting systems or tools are needed.

### Special coating

In addition to the standard galvanised version, the tank panels can also be provided with an extra protective coating, the duplex pre-coat system. Preserving the zinc layer protects against corrosion and considerably extends the material's lifetime.

### Tank base (foundation)

Depending on the soil stability, the tanks can simply be placed on a sand bed, sunk into the ground surface (to at least 40 cm). On less stable or rocky soil, a simple concrete floor or concrete ring can serve as a foundation.

### Tank liners

A plastic liner (membrane) on the inside of the steel tank provides complete water tightness. Tank liners are available in different materials, such as PVC, Polyolefin or EPDM. The use of a liner renders the PREFABtank suitable for storage of almost any kind of liquid.

### Tank covers

Various solutions have been developed to cover the silo. The choice of the right cover depends on the tank diameter, the application and the climate conditions.



### Properties

- lightweight, strong design;
- rapid and simple assembly without special assembly or hoisting tools;
- no special requirements for the foundation;
- wide variety of applications
- suitable for storage of almost any kind of liquid;
- easy to transport around the globe using trucks or containers;
- competitive compared to concrete or steel silos or regional options;
- can be sealed with silo caps and covers.

**PREFABtank storage systems are available as:**

**1 Tank storage system without cover**

This simple solution can be used if water contamination is not an issue. Available in diameters from 1.8 to 31.0 metres and heights varying from 1.52 to 4.64 metres, depending on the diameter.



**2 Tank storage system with span (tensioned) roofing**

The span roof offers a good solution if there are specific tank cover requirements (anti-algae). Available in diameters from 3.64 to 20.94 metres. The tank is reinforced with panels with a larger wall thickness.



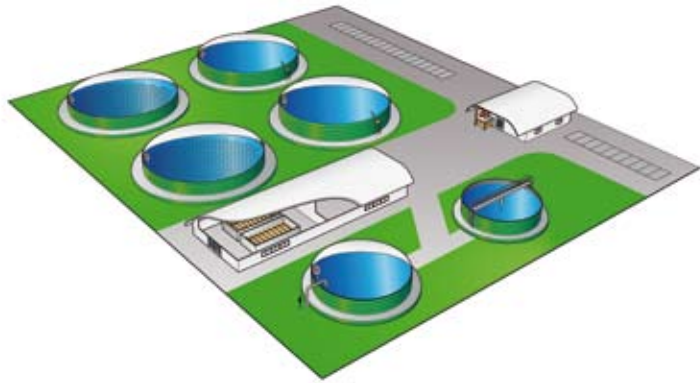
**3 Storage system with steel roof**

The steel roof offers additional guarantees for applications that have to meet higher requirements in terms of lifecycle, UV resistance or professional appearance. Available in diameters from 3.64 to 14.57 metres.



**4 Storage system with air-pressed tank roof**

The perfect system to completely seal larger silos – simple and efficient. The tank liner and the roof together form an airtight construction. A small fan (U=230V, P=250 Watts) keeps the system under pressure. A set of tubes on the top of the tank wall absorbs the forces of the roof. This system requires a concrete floor and our consultant's assistance during installation. Available in diameters from 3.64 to 26.40 meter.



## Special applications

The innovative details and well-conceived design make the **PREFABtank** suitable for use in numerous applications, such as the storage of waste water, manure / sludge, distilled water, drinking (potable) water and other liquids. The tank systems are also used for aerobic and anaerobic systems (aeration), complete purification systems and the storage of cereals, seeds and granules.

*Standard solutions are available for the installation of pumps and mixers in our tank systems.*

Dia- meter in m	Height in m	Capacity in m <sup>3</sup>	Weight in kg
1.82	0.81	2	38
1.82	1.59	4	76
1.82	2.36	6	114
1.82	3.12	8	151
1.82	3.88	10	189
1.82	4.64	12	279
2.73	0.81	5	56
2.73	1.59	9	114
2.73	2.36	14	170
2.73	3.12	18	227
2.73	3.88	23	284
2.73	4.64	27	419
3.64	0.81	8	75
3.64	1.59	17	151
3.64	2.36	25	227
3.64	3.12	32	303
3.64	3.88	40	379
3.64	4.64	48	558
4.55	0.81	13	93
4.55	1.59	26	189
4.55	2.36	38	284
4.55	3.12	51	379
4.55	3.88	63	473
4.55	4.64	75	698
5.46	0.81	19	113
5.46	1.59	37	227
5.46	2.36	55	341
5.46	3.12	73	453
5.46	3.88	91	567
5.46	4.64	109	838
6.10	0.81	24	131
6.10	1.59	46	265
6.10	2.36	69	397
6.10	3.12	91	529
6.10	3.88	113	662
6.10	4.64	136	978
6.37	0.81	26	131
6.37	1.59	1	265
6.37	2.36	75	397

Dia- meter in m	Height in m	Capacity in m <sup>3</sup>	Weight in kg
6.37	3.12	99	529
6.37	3.88	124	662
6.37	4.64	148	978
6.98	0.81	31	150
6.98	1.59	61	303
6.98	2.36	90	453
6.98	3.12	119	605
6.98	3.88	148	791
6.98	4.64	177	1153
7.28	0.81	34	150
7.28	1.59	66	303
7.28	2.36	98	453
7.28	3.12	130	605
7.28	3.88	161	791
7.28	4.64	193	1153
7.85	0.81	39	169
7.85	1.59	77	341
7.85	2.36	114	511
7.85	3.12	151	681
7.85	3.88	188	890
7.85	4.64	224	1296
8.19	0.81	43	169
8.19	1.59	84	341
8.19	2.36	124	511
8.19	3.12	164	681
8.19	3.88	204	890
8.19	4.64	244	1296
9.10	0.81	53	188
9.10	1.59	103	379
9.10	2.36	153	567
9.10	3.12	203	800
9.10	3.88	252	1077
9.10	4.64	302	1528
10.01	0.81	64	206
10.01	1.59	125	417
10.01	2.36	186	624
10.01	3.12	245	880
10.01	3.88	305	1184
10.01	4.64	365	1728

Dia- meter in m	Height in m	Capacity in m <sup>3</sup>	Weight in kg
10.92	0.81	76	226
10.92	1.59	149	453
10.92	2.36	221	681
10.92	3.12	292	1013
10.92	3.88	363	1392
10.92	4.64	434	1990
11.83	0.81	89	244
11.83	1.59	175	491
11.83	2.36	259	794
11.83	3.12	343	1153
11.83	3.88	426	1626
11.83	4.64	510	2270
12.75	0.81	103	263
12.75	1.59	203	529
12.75	2.36	301	855
12.75	3.12	398	1303
12.75	3.88	495	1813
12.75	4.64	592	2577
13.66	0.81	119	281
13.66	1.59	233	567
13.66	2.36	346	916
13.66	3.12	457	938
13.66	3.88	568	2008
13.66	4.64	680	2826
14.57	0.81	135	301
14.57	1.59	265	605
14.57	2.36	393	1118
14.57	3.12	520	1560
14.57	3.88	647	2212
14.57	4.64	773	3084
15.48	0.81	152	319
15.48	1.59	299	643
15.48	2.36	444	1113
15.48	3.12	587	1731
15.48	3.88	730	2510
16.39	0.81	171	338
16.39	1.59	335	681
16.39	2.36	498	1178
16.39	3.12	658	1871

Dia- meter in m	Height in m	Capacity in m <sup>3</sup>	Weight in kg
16.39	3.88	818	2657
17.30	0.81	190	357
17.30	1.59	374	801
17.30	2.36	554	1410
17.30	3.12	733	2184
17.30	3.88	912	3053
18.21	0.81	211	376
18.21	1.59	414	843
18.21	2.36	614	1484
21.85	0.81	304	450
21.85	1.59	596	1118
21.85	2.36	884	1991
21.85	3.12	1169	3090
22.76	0.81	329	469
22.76	1.59	647	1164
22.76	2.36	960	2182
23.67	0.81	356	488
23.67	1.59	699	1210
23.67	2.36	1038	2270
24.58	0.81	384	507
24.58	1.59	754	1257
24.58	2.36	1119	2358
26.40	0.81	443	545
26.40	1.59	870	1477
26.40	2.36	1291	2805
27.31	0.81	474	563
27.31	1.59	931	1528
27.31	2.36	1382	2902
28.22	0.81	506	582
28.22	1.59	994	1579
28.22	2.36	1475	2999
29.13	0.81	540	600
29.13	1.59	1059	1770
29.13	2.36	1572	3234
30.04	0.81	574	620
30.04	1.59	1126	1825
30.04	2.36	1672	3191
30.95	0.81	609	638
30.95	1.59	1196	1879
30.95	2.36	1775	3436