

WATER TANKS



BUILT
for LIFE™

 **SCAFCO**®
Grain Systems Co.

Serving Agriculture and Industry Since 1954



SCAFCO designs and manufactures water tank systems in various diameters with wall heights up to 14 feet (4.27 m) and capacities in excess of 100,000 gallons (395,000 Liters). (Larger tanks available upon request)

High-quality galvanized steel tank exteriors are hot-dipped in zinc coating for dependable and lasting protection. SCAFCO water tanks have an internal flexible liner that creates a watertight membrane and geotextile pre-liner ensuring stored water never makes contact with the tank's steel surface. High-quality materials used in SCAFCO water tanks minimize corrosion and maintenance. For more information visit www.SCAFCOgrain.com.

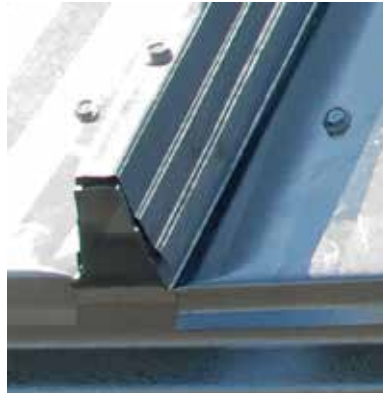
- Corrosion Resistant
- Life Cycle Costs
- Pre-Engineered Tank System
- Local Service
- Qualified Installation



WATER TANK FEATURES

ROOF PANELS

SCAFCO's one piece deep-rib corrugated roof panels offer outstanding load-carrying capabilities, providing durability under heavy snow, ice loads and other extreme weather conditions. Roofs bolt together rapidly in the field with each roof panel securely fastened to wall panels with steel clips. Heavy-duty 3 1/4" (82 mm) high box-ribs provide strength and rigidity for each roof panel. Roofs have either 24 or 36 corrugated roof panels (depending upon tank diameter) and a weather-tight closure.



HIGH STRENGTH BOLTS

All SCAFCO water tanks are furnished with heat-treated SAE grade 8 (equivalent to DIN 10.9) bolts. Our high strength bolts will meet and exceed 1,000 hours to corrosion in a salt spray test compared to other tank manufacturers that use zinc dichromate coated bolts that only meet or exceed 108 hours.



INSPECTION HATCH

All tanks 12' (3.66 m) diameter and larger feature safe and convenient roof hatches. Our hatches open to the right rather than uphill on the roof, facilitating safer entry and egress from the tank. The inside dimension measures 18" x 30" (460 mm x 760 mm). The hatch is positioned adjacent to the roof ladder cleats or roof stairs and meets or exceeds emerging standards previously unaddressed in current designs. SCAFCO hatches are weather-tight and factory installed with a lockable latch.



WALL SHEETS

SCAFCO's 42 2/3" high (1.08 m) galvanized steel sheets have a 2 2/3" pitch and 1/2" (67.7 mm x 12.7 mm) deep corrugation that is substantially stronger than the competitors' standard 4" (102 mm) pitch corrugation. Sheets are precision roll formed from high yield strength steel and are pre punched to guarantee accurate hole alignment and uniform fit.



ROOF LADDER

All tanks 9' (2.74 m) diameter and larger feature a complete roof ladder system. The roof ladder includes steel steps bolted to the roof for access to the center hatch cap. Safety steps attach to every other roof panel around the peak, providing sure footing. Optional sidewall ladders available.





**RAINWATER
STORAGE**



**FIRE
PROTECTION**



**IRRIGATION
WATERING**



**POTABLE
WATER**



**STORMWATER
MANAGEMENT**



**ARCHITECTURAL
DESIGNS**



CUSTOM APPLICATIONS

WATER TANK DESIGN

DESIGN CERTIFICATIONS AVAILABLE

Professional Engineer stamp and custom designs available for most seismic requirements. SCAFCO Water Storage Tanks are designed to resist wind pressures described in the 2018, International Building Code, Wind Exposure C.

Standard SCAFCO Water Storage Tanks are designed for Seismic Design Category C, site class D per the 2018 International Building Code, AWWA D100-05, Section 13, and AWWA D103-09, Section 12. Upon engineer's design requirements, tank will be designed to resist additional seismic loads or those required by the local Regulatory Agency.



NFPA 22 COMPLIANT



SCAFCO is qualified to design water tanks to meet NFPA 22 – Standard for Water Tanks for Private Fire Protection. Given the site location, we provide all of the calculations, construction details and the PE stamp needed for local inspection.



UP TO 20 YEAR WARRANTY

Because SCAFCO water tanks are Built for Life™, each one comes with a lengthy warranty. This helps keep our customers' long-term costs down, and it helps ensure peace of mind throughout the service life of the tank.



RAPID FIELD ASSEMBLY

Clear, complete assembly instructions are provided for safe and efficient installation in-field. Use of jacks enables water tanks to be assembled at ground level without complicated machinery.



STANDARD WATER TANK SPECIFICATIONS

Water Tank Number	Diameter		Eave Height		Overall Height		Capacity	
	Feet	Meters	Feet	Meters	Feet	Meters	Gallons	Liters
601LSTP	6'	1.83	3' 8"	1.11	5' 2"	1.59	600	2,270
602LSTP	6'	1.83	7' 3"	2.2	8' 9"	2.67	1,400	5,300
603LSTP	6'	1.83	10' 9"	3.28	12' 4"	3.75	2,100	7,950
604LSTP	6'	1.83	14' 4"	4.37	15' 10"	4.84	2,900	10,980
901LSTP	9'	2.74	3' 8"	1.11	6' 1"	1.85	1,500	5,680
902LSTP	9'	2.74	7' 3"	2.2	9' 7"	2.93	3,100	11,740
903LSTP	9'	2.74	10' 9"	3.28	13' 2"	4.02	4,800	18,170
904LSTP	9'	2.74	14' 4"	4.37	16' 9"	5.1	6,500	24,605
1201LSTP	12'	3.66	3' 8"	1.11	7' 3"	2.2	2,600	9,840
1202LSTP	12'	3.66	7' 3"	2.2	10' 9"	3.29	5,600	21,200
1203LSTP	12'	3.66	10' 9"	3.28	14' 4"	4.37	8,600	32,550
1204LSTP	12'	3.66	14' 4"	4.37	17' 11"	5.45	11,600	43,910
1501LSTP	15'	4.57	3' 8"	1.11	8' 1"	2.47	4,100	15,520
1502LSTP	15'	4.57	7' 3"	2.2	11' 8"	3.55	8,800	33,310
1503LSTP	15'	4.57	10' 9"	3.28	15' 2"	4.63	13,500	51,100
1504LSTP	15'	4.57	14' 4"	4.37	18' 9"	5.72	18,100	68,515
1801LSTP	18'	5.49	3' 8"	1.11	8' 11"	2.73	6,000	22,712
1802LSTP	18'	5.49	7' 3"	2.2	12' 6"	3.81	12,700	48,075
1803LSTP	18'	5.49	10' 9"	3.28	16' 1"	4.9	19,400	73,400
1804LSTP	18'	5.49	14' 4"	4.37	19' 7"	5.98	26,100	98,800
2101LSTP	21'	6.4	3' 8"	1.11	9' 10"	2.99	8,200	31,040
2102LSTP	21'	6.4	7' 3"	2.2	13' 4"	4.08	17,300	65,490
2103LSTP	21'	6.4	10' 9"	3.28	16' 11"	5.16	26,400	99,930
2104LSTP	21'	6.4	14' 4"	4.37	20' 6"	6.24	35,600	134,760
2401LSTP	24'	7.32	3' 8"	1.11	10' 8"	3.25	10,700	40,500
2402LSTP	24'	7.32	7' 3"	2.2	14' 3"	4.34	22,600	85,550
2403LSTP	24'	7.32	10' 9"	3.28	17' 9"	5.42	34,500	130,600
2404LSTP	24'	7.32	14' 4"	4.37	21' 4"	6.51	46,500	176,020
2701LSTP	27'	8.23	3' 8"	1.11	11' 0"	3.34	13,500	51,100
2702LSTP	27'	8.23	7' 3"	2.2	14' 6"	4.43	28,600	108,260
2703LSTP	27'	8.23	10' 9"	3.28	18' 1"	5.51	43,700	165,420
2704LSTP	27'	8.23	14' 4"	4.37	21' 8"	6.59	58,800	222,580
3001LSTP	30'	9.14	3' 8"	1.11	11' 10"	3.6	16,700	63,220
3002LSTP	30'	9.14	7' 3"	2.2	15' 5"	4.69	35,300	133,625
3003LSTP	30'	9.14	10' 9"	3.28	18' 11"	5.77	54,000	204,410
3004LSTP	30'	9.14	14' 4"	4.37	22' 6"	6.86	72,600	274,820
3301LSTP	33'	10.06	3' 8"	1.11	12' 8"	3.87	20,200	76,465
3302LSTP	33'	10.06	7' 3"	2.2	16' 3"	4.95	42,700	161,640
3303LSTP	33'	10.06	10' 9"	3.28	19' 10"	6.03	65,300	247,190
3304LSTP	33'	10.06	14' 4"	4.37	23' 4"	7.12	87,900	332,740
3601LSTP	36'	10.97	3' 8"	1.11	13' 7"	4.13	24,100	91,230
3602LSTP	36'	10.97	7' 3"	2.2	17' 1"	5.21	50,900	192,675
3603LSTP	36'	10.97	10' 9"	3.28	20' 8"	6.3	77,800	294,500
3604LSTP	36'	10.97	14' 4"	4.37	24' 3"	7.38	104,600	396,950



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