TATSA®
CALIDAD INDUSTRIAL DESDE 1955

LPG AND ANHYDROUS AMMONIA STORAGE TANKS

GENERAL SPECIFICATIONS

STORAGE TANK LPG EXPORT: Designed and manufactured in accordance with ASME section VIII, Div1; Optional: NFPA58. ASME Code Section VIII, Division 2, Last Edition.
STORAGE TANK NH3 EXPORT: Designed and manufactured in accordance with ASME section VIII, Div1; Optional: ASME Code Section VIII, Division 2, Last Edition.

SPECIFICATIONS

Design pressure at 250 PSI.
Longitudinal seam weld at shell are full radiographed and circumferential seam weld spot radiographed or full radiographed.
Head weld seams are full or spot radiographed.
Saddle pads and ground lug (optional steel saddles welded to tank).
Manway 15" Inside diameter minimum for NOM & 16" inside diameter minimum for ASME, (optional up to 24").
Internal piping for vapor service.

TECHNICAL DATA

FITTINGS

Magnetel liquid level gauge.
Thermometer dial face 2".(-58 °F to + 122 °F).
Pressure gauge with dial face 2" and 1/4" connection. (0-298.69 PSI).
CMS excess flow valves DT2 , DT3 and DC2 ,according capacity (Rego as optional).
Internal valves conform to NFPA 58 (Optional).
Steel protector for magnetic level gauge and maximum filling valves.
Two maximum filling valves 1/4" diameter at 85% and 90%.
Duo -port valve 2 1/2" diameter for capacities from 3,435 to 5,548 U.S. Gallons include two safety valves 2 1/2" diameter.
Multi -port valve 4" diameter include four safety valves for capacities from 7,662 to 120,000 U.S. gallons.
Nozzles can be added for liquid level Indicators or for other applications, according to the customer's needs.

Note: all fittings for anhydrous ammonia tanks are designed and manufactured especially for this application (steel).

OUTLETS

Up to 5,548 U.S. Gallons
1 set of nozzles with the following couplings.
Two liquid outlets 2".
Two vapor outlets 2".
One drain outlet 2" with plug

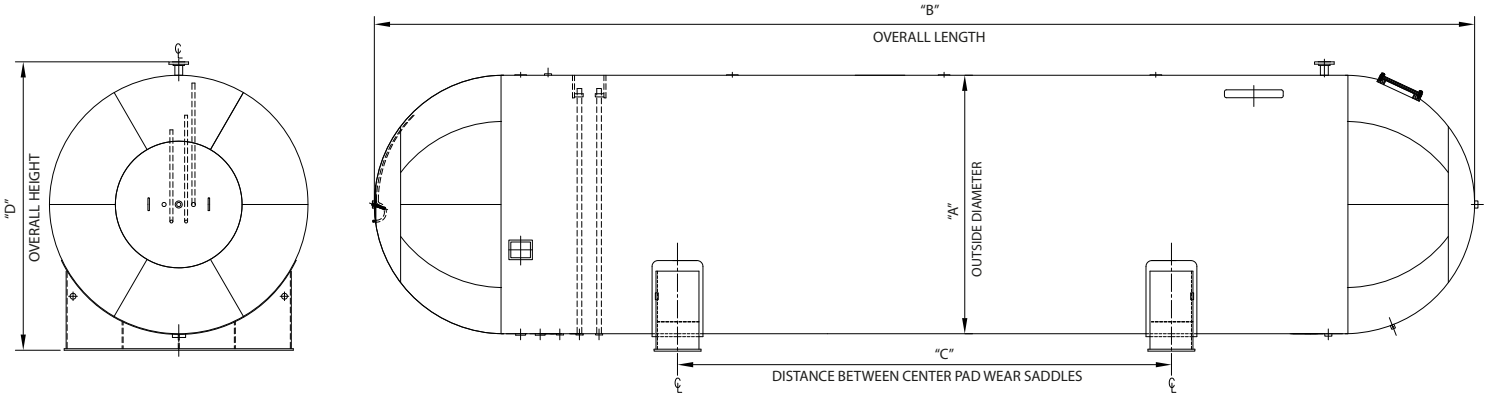
From 7,662 to 20,079 U.S. Gallons
1 set of nozzles with the following couplings.
Two liquid outlets 3".
One liquid outlet 2"
Two vapor outlets 2".
One drain outlet 2" with plug

From 24,571 to 120,000 U.S. Gallons,
2 set of nozzles with the following couplings (One set at each end of the tank).
Two liquid outlets 3".
One liquid outlets 2".
Two vapor outlets 2".
One drain outlet 2" with plug
Optional: a third set of nozzles in the center of the tank.

ANTICORROSIVE PROTECTION SYSTEM

Abrasive blast cleaning to SSPC-SP6 / NACE 3 / ISO 8501-1 Sa 2 grade (commercial).
Rust inhibitive high build catalyzed polyamide / bisphenol A epoxy primer designed for extended recoatability.

Optional: a) Final paint application (aliphatic acrylic polyurethane)
b) Paint system for high humidity environments



NOMINAL CAPACITY		WEIGHT WITH SADDLES		WEIGHT WITHOUT SADDLES		OUTSIDE DIAMETER (A)		OVERALL LENGTH (B)		DISTANCE BETWEEN CENTERS PAD WEAR SADDLES (C)		OVERALL HEIGHT WITH SADDLES (D)		NOTES
U.S. GALLONS	LITERS	POUNDS	KG.	POUNDS	KG.	INCHES	METERS	INCHES	METERS	INCHES	METERS	INCHES	METERS	
3,435	13,000	6,852	3,108	5,531	2,509	82.00	2.083	176.750	4.489	60	1.524	92.00	2.337	*1
4,756	18,000	8,289	3,760	6,969	3,161	89.00	2.261	206.625	5.248	84	2.134	99.00	2.515	*1
5,548	21,000	9,828	4,458	8,428	3,823	82.00	2.083	272.750	6.928	102	2.591	92.00	2.337	*1
7,662	29,000	13,221	5,997	11,821	5,362	82.00	2.083	368.750	9.366	180	4.572	97.00	2.464	*1
11,096	42,000	18,188	8,250	16,757	7,601	89.00	2.261	444.625	11.293	208	5.283	104.00	2.642	*1
14,267	54,000	23,199	10,523	21,766	9,873	89.00	2.261	565.125	14.354	314	7.976	104.00	2.642	*1
17,437	66,000	28,173	12,779	26,740	12,129	89.00	2.261	685.125	17.402	410	10.414	104.00	2.642	*1
18,000	68,130	28,000	12,701	26,899	12,201	109.346	2.777	489.375	12.430	252	6.401	118.75	3.016	*2
20,079	76,000	33,753	15,310	32,320	14,660	105.30	2.675	581.625	14.773	314	7.976	120.31	3.056	*1
24,571	93,000	40,878	18,542	39,152	17,759	105.30	2.675	698.625	17.745	434	11.024	120.31	3.056	*1
29,062	110,000	45,841	20,793	44,114	20,010	105.30	2.675	817.625	20.768	554	14.072	120.31	3.056	*1
30,000	113,550	48,140	21,836	64,278	29,156	131.875	3.350	561.250	14.256	252	6.401	147.13	3.737	*1
33,025	125,000	50,671	22,984	47,924	21,738	133.00	3.378	594.875	15.110	304	7.722	148.00	3.759	*1
39,630	150,000	62,089	28,163	59,340	26,916	133.00	3.378	710.875	18.056	380	9.652	148.00	3.759	*1
46,235	175,000	72,558	32,912	69,686	31,609	133.00	3.378	826.875	21.003	490	12.446	148.00	3.759	*1
52,840	200,000	83,033	37,663	80,596	36,558	133.00	3.378	942.875	23.949	532	13.513	148.00	3.759	*1
59,974	227,000	93,505	42,413	91,066	41,307	133.00	3.378	1058.875	26.895	658	16.713	148.00	3.759	*1
66,050	250,000	104,243	47,284	101,496	46,038	133.00	3.378	1174.875	29.842	774	19.660	148.00	3.759	*1
66,050	250,000	105,198	47,717	99,179	44,987	144.00	3.658	1002.250	25.457	701	17.805	159.25	4.045	*1
75,000	283,875	129,019	58,522	112,149	50,870	144.00	3.658	1134.250	28.810	833	21.158	156.88	3.985	*3
85,000	321,725	142,754	64,752	125,884	57,100	144.00	3.658	1277.750	32.455	976	24.790	156.88	3.985	*3
90,000	340,650	139,200	63,140	135,180	61,317	131.875	3.350	1599.875	40.637	1130	28.702	143.88	3.654	*3
100,000	378,500	164,950	74,820	149,253	67,700	144.00	3.658	1494.750	37.967	1044	26.518	156.88	3.985	*3
120,000	454,200	195,885	88,852	179,015	81,200	144.00	3.658	1787.750	45.409	1342	34.090	156.88	3.985	*3

*1 Height without saddles subtract 8-1/8", *2 Height without saddles subtract 2", *3 Height without saddles subtract 6".
Optional: Saddles 5 3/4" height to NFPA 58