



THAI METAL PRODUCT INDUSTRY CO.,LTD.

47/8 Moo 1, Rat Niyom Sub-District, Sai Noi District, Nonthaburi 11150 Thailand

Tel. 0-2985-5544 Mobile. 08-6303-9169, 08-6304-3993 Fax. 0-2985-5995

www.thaimetal.co.th E-mail : thaimetal@gmail.com

Catalog

LPG Above Ground Storage Tank

DESIGN SPECIFICATION			
DESIGN CODE	: ASME SECTION VIII DIV. 1 2004 EDITION		
DESIGN PRESSURE INTERNAL	: 17.6 Kg./cm. ²	@	343 °C
DESIGN PRESSURE EXTERNAL	: - Kg./cm. ²	@	30 °C
OPERATING PRESSURE	: - Kg./cm. ²	@	- °C
HYDROSTATIC TEST PRESSURE	: 26.4 Kg./cm. ²	@	30 °C
MAX. ALLOWABLE WORKING PRESSURE (MAWP)	: 17.6 Kg./cm. ²		
MIN. DESIGN METAL TEMPERATURE (MDMT)	: -28.889 °C		
IMPACT TEST :	NO [UG-20(f)]	RADIOGRAPH	SHELL : FULL HEAD : FULL
CORROSION ALLOWANCE :	0.5 mm.	POSTWELD HEAT TREATMENT (PWHT) :	NO [UCS-56]
JOINT EFFICIENCY : HEAD	1.0	WEIGHT :	EMPTY Kgs.
	SHELL CIRC. 1.0	TEST	Kgs.
	SHELL LONG. 1.0	OPERATING	Kgs.
HEAD TYPE :	HEMI SPHERICAL	INSULATION :	NO
MATERIAL SPECIFICATION			
SHELL / HEAD	JIS G3115 SPV355	GASKET	VALQUA #1500
FLANGE	A-105	BOLT/NUT	A-193-B7/A-194/2H
NOZZLE NECK	A-106-B	SADDLE	SS 400
COUPLINGS	A-105	OTHERS	SS 400
SURFACE PREPARATION			
INTERIOR :		EXTERIOR :	
SANDBLAST	-	SANBLAST	Sa 2.5
PRIMER COAT	-	PRIMER COAT	- Epical Zinc HB-2 1 x 60 µm
INTERMEDIATE COAT	-	INTERMEDIATE COAT	- Epoxy Undercoat 1 x 60 µm
TOP COAT	-	TOP COAT	- Poly Urethane Unimarine-100 2 x 35 µm

LPG Above Ground Storage Tank										
SIZE	VOLUME (Litres)	Dimension (mm.)								
		A	B	C	D	E	F	G (PCD)	H	WEIGHT (kg.)
1 Ton.	1,801	954	884	2,702	695	490	1,524	510	1,185	919
4.3 Ton.	8,978	1,680	1,610	4,610	1,060	1,088	2,200	1,450	1,700	2,527
5 Ton.	9,991	1,745	1,610	4,767	1,100	1,088	2,200	1,350	1,986.5	2,884
10 Ton.	19,925	1,745	1,610	8,923	1,100	1,088	6,260	1,350	1,986.5	6,289
20 Ton.	44,654	2,500	2,244	9,938	1,450	1,575	5,400	2,000	2,719.0	13,495
21 Ton.	44,860	2,500	2,250	9,980	1,575	1,533	5,400	2,000	2,845	11,556
35 Ton.	67,868	3,190	2,900	9,539	1,968	1,860	4,200	2,370	3,588	18,201
100 Ton.	200,507	3,800	3,425	18,954	2,275	2,168	10,060	3,150	4,203	50,727

