



KOREA GAS ENGINEERING

LPG VAPORIZER DATA SHEET

Project No.	:	
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Sheet	:	1 of 1
PREP	CHKD	APPD
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Project Name :

1	Tag No.				Service	LPG Vaporizer						
2	Model No.	KEV-500			Type	Electric Water Bath Type						
3	Regulation				Code							
4	DESIGN CONDITIONS				MATERIAL / THICKNESS mm (KS or ASTM)							
5	Fluid Gas	LPG			Outside Shell	SS400 / 3.2						
6	Capacity	kg/hr	500		Inside Shell	SPPS370 / 80A, SCH40						
7	Design Pressure	Mpag	Gas Side	Water Side	Gas Coil	SPPS370 / 25A, SCH80						
8			1.77	ATM	Steam Coil	N/A						
9	Design Temperature	°C	Gas Side	Water Side	Furnace	N/A						
10			55	80	Flange	SF440A						
11	Operating Pressure	Mpag	Gas Side	Water Side	Fitting	A105 / 3000#						
12			1.2	ATM	DIMENSION (mm)							
13	Operating Temperature	°C	Gas Side	Water Side	A	B	C	D	E	F	G	
14			40	65	1200	1400	1505	730	695	960	240	
15	Test Pressure	Mpag	2.4		NOZZLE SCHEDULE							
16	Safety Valve SP	Mpag	1.76		Mark	Q'ty	Size	Rating	Type	Service		
17	Explosion Proof Type	Ex d IIB T4		N-1	1	25A	JIS 20K	SO-RF	Liquid Inlet			
18	Heating Source	Electric Heater		N-2	1	50A	JIS 20K	SO-RF	Vapor Outlet			
19	Electric Heater Capacity	kW	75		N-3	1	8A	JIS 20K	PT1/4"	Gas Drain		
20	Water Capacity	ℓ	280		N-4	1	32A		Water Inlet			
21	Anti-freezing Solution	ℓ	84		N-5	1	15A	JIS 10K	PT1/2"	Water Drain		
22	Steam Consumption	kg/hr	N/A		N-6	1	15A		PE	Water Over Drain		
23	Burner Capacity	kcal/hr	N/A		N-7	1	15A		PT1/2"	Safety Valve Outlet		
24	Boiler Capacity	kcal/hr	N/A		NOTE							
25	Insulation	mm	25									
26	Weight	kg	Empty	Operation	Full							
27			370	635	650							

