

 KOREA GAS ENGINEERING	LPG VAPORIZER DATA SHEET			Project No. :	
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	0	W.H.CHA	2015.01.29	FOR CONSTRUCTION	Rev. No. : 0
Project Name :				Sheet : 1 of 1	
				PREP	CHKD
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1	Tag No.				Service	LPG Vaporizer						
2	Model No.	KEV-050			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	50			Inside Shell	SPPS370 / 50A, SCH80					
7	Design Pressure	Mpag	Gas Side	Water Side	Gas Coil	SPPS370 / 20A, 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	890	1055	1150	470	435	650	150	
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	20A	JIS 20K	SO-RF	Liquid Inlet		
18	Heating Source	Electric Heater			N-2	1	20A	JIS 20K	SO-RF	Vapor Outlet		
19	Electric Heater Capacity	kW	7.5			N-3	1	8A	JIS 20K	PT1/4"	Gas Drain	
20	Water Capacity	ℓ	78			N-4	1	32A		Water Inlet		
21	Anti-freezing Solution	ℓ	23.5			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			100	168.5	172.5							

