

 KOREA GAS ENGINEERING	LPG VAPORIZER DATA SHEET			Project No. :	
				Document No. :	
	NO	BY	DATE	REVISION	Date : 2015.01.29
	0	W.H.CHA	2015.01.29	FOR CONSTRUCTION	Rev. No. : 0
Project Name :				Sheet : 1 of 1	
				PREP	CHKD
				W.H.CHA	C.Y.YANG
				APPD	D.Y.KANG

1	Tag No.				Service	LPG Vaporizer							
2	Model No.	KEV-300			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	300			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	1180	1360	1460	610	575	790	180		
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	25A	JIS 20K	SO-RF	Vapor Outlet			
19	Electric Heater Capacity	kW	45			N-3	1	8A	JIS 20K	PT1/4"	Gas Drain		
20	Water Capacity	ℓ	185			N-4	1	32A		Water Inlet			
21	Anti-freezing Solution	ℓ	56			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			232	410	417								

