

 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-900-SR			Type	Electric Water Bath Type					
3	Regulation				Code						
4	DESIGN CONDITIONS				MATERIAL / THICKNESS mm (KS or ASTM)						
5	Fluid Gas	LPG			Outside Shell	SS400 / 4.5					
6	Capacity	kg/hr	900		Inside Shell	SPPS370 / 125A, SCH40					
7	Design Pressure	Mpag	Gas Side	Water Side	Gas Coil	SPPS370 / 40A, SCH40					
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	1430	1630	1760	1065	1015	1360	345
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	40A	JIS 20K	SO-RF	Liquid Inlet	
18	Heating Source	Electric Heater			N-2	1	80A	JIS 20K	SO-RF	Vapor Outlet	
19	Electric Heater Capacity	kW	135		N-3	1	15A	JIS 20K	PT1/2"	Gas Drain	
20	Water Capacity	ℓ	700		N-4	1	32A			Water Inlet	
21	Anti-freezing Solution	ℓ	210		N-5	1	20A	JIS 10K	PT3/4"	Water Drain	
22	Steam Consumption	kg/hr	N/A		N-6	1	20A		PE	Water Over Drain	
23	Burner Capacity	kcal/hr	N/A		N-7	1	25A		PT1"	Safety Valve Outlet	
24	Boiler Capacity	kcal/hr	N/A		KEV Series Options						
25	Insulation	mm	25		1. Solenoid Valve on LPG Inlet		2. Selector Switch				
26	Weight	kg	Empty	Operation	Full	3. Lamps					
27			760	1435	1460	(Solenoid Valve Open, Electric Heater On, Water Temp' High)					

