

 <b>KOREA GAS ENGINEERING</b>	<b>LPG VAPORIZER DATA SHEET</b>			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	APPD
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1	Tag No.				Service	<b>LPG Vaporizer</b>							
2	Model No.	<b>KEV-700</b>			Type	<b>Electric Water Bath Type</b>							
3	Regulation				Code								
4	DESIGN CONDITIONS				MATERIAL / THICKNESS mm (KS or ASTM)								
5	Fluid Gas	<b>LPG</b>			Outside Shell	<b>SS400 / 4.5</b>							
6	Capacity	kg/hr	<b>700</b>			Inside Shell	<b>SPPS370 / 125A, SCH40</b>						
7	Design Pressure	Mpag	Gas Side	Water Side	Gas Coil	<b>SPPS370 / 40A, SCH40</b>							
8			<b>1.77</b>	<b>ATM</b>	Steam Coil	<b>N/A</b>							
9	Design Temperature	°C	Gas Side	Water Side	Furnace	<b>N/A</b>							
10			<b>55</b>	<b>80</b>	Flange	<b>SF440A</b>							
11	Operating Pressure	Mpag	Gas Side	Water Side	Fitting	<b>A105 / 3000#</b>							
12			<b>1.2</b>	<b>ATM</b>	DIMENSION (mm)								
13	Operating Temperature	°C	Gas Side	Water Side	A	B	C	D	E	F	G		
14			<b>40</b>	<b>65</b>	<b>1250</b>	<b>1450</b>	<b>1555</b>	<b>900</b>	<b>865</b>	<b>1175</b>	<b>300</b>		
15	Test Pressure	Mpag	<b>2.4</b>			NOZZLE SCHEDULE							
16	Safety Valve SP	Mpag	<b>1.76</b>			Mark	Q'ty	Size	Rating	Type	Service		
17	Explosion Proof Type	<b>Ex d IIB T4</b>			N-1	1	25A	JIS 20K	SO-RF	Liquid Inlet			
18	Heating Source	<b>Electric Heater</b>			N-2	1	50A	JIS 20K	SO-RF	Vapor Outlet			
19	Electric Heater Capacity	kW	<b>105</b>			N-3	1	15A	JIS 20K	PT1/2"	Gas Drain		
20	Water Capacity	ℓ	<b>390</b>			N-4	1	32A		Water Inlet			
21	Anti-freezing Solution	ℓ	<b>117</b>			N-5	1	20A	JIS 10K	PT3/4"	Water Drain		
22	Steam Consumption	kg/hr	<b>N/A</b>			N-6	1	20A	PE	Water Over Drain			
23	Burner Capacity	kcal/hr	<b>N/A</b>			N-7	1	20A		PT3/4"	Safety Valve Outlet		
24	Boiler Capacity	kcal/hr	<b>N/A</b>			NOTE							
25	Insulation	mm	<b>25</b>										
26	Weight	kg	Empty	Operation	Full								
27			<b>550</b>	<b>920</b>	<b>935</b>								

