

 <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
				W.H.CHA	C.Y.YANG	D.Y.KANG

1	Tag No.				Service	<b>LPG Vaporizer</b>					
2	Model No.	<b>KEV-050-SR</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 / 3.2</b>					
6	Capacity	kg/hr	<b>50</b>		Inside Shell	<b>SPPS370 / 50A, SCH80</b>					
7	Design Pressure	Mpag	Gas Side	Water Side	Gas Coil	<b>SPPS370 / 20A, SCH80</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>890</b>	<b>1055</b>	<b>1150</b>	<b>470</b>	<b>435</b>	<b>650</b>	<b>150</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	20A	JIS 20K	SO-RF	Liquid Inlet		
18	Heating Source	<b>Electric Heater</b>		N-2	1	20A	JIS 20K	SO-RF	Vapor Outlet		
19	Electric Heater Capacity	kW	<b>7.5</b>		N-3	1	8A	JIS 20K	PT1/4"	Gas Drain	
20	Water Capacity	ℓ	<b>78</b>		N-4	1	32A		Water Inlet		
21	Anti-freezing Solution	ℓ	<b>23.5</b>		N-5	1	15A	JIS 10K	PT1/2"	Water Drain	
22	Steam Consumption	kg/hr	<b>N/A</b>		N-6	1	15A		PE	Water Over Drain	
23	Burner Capacity	kcal/hr	<b>N/A</b>		N-7	1	15A		PT1/2"	Safety Valve Outlet	
24	Boiler Capacity	kcal/hr	<b>N/A</b>		KEV-SR Series Options						
25	Insulation	mm	<b>25</b>		1. Solenoid Valve on LPG Inlet		2. Selector Switch				
26	Weight	kg	Empty	Operation	Full	3. Lamps					
27		<b>104</b>	<b>177.5</b>	<b>181.5</b>	( Solenoid Valve Open, Electric Heater On, Water Temp' High)						

