



KOREA GAS ENGINEERING

# LPG VAPORIZER DATA SHEET

Project No.	:	
Document No.	:	
Date	:	2015.01.29
Rev. No.	:	0
Sheet	:	1 of 1
PREP	CHKD	APPD
W.H.CHA	C.Y.YANG	D.Y.KANG

NO	BY	DATE	REVISION
0	W.H.CHA	2015.01.29	FOR CONSTRUCTION

Project Name :

1	Tag No.				Service	<b>LPG Vaporizer</b>						
2	Model No.	<b>KEV-500-SR</b>			Type	<b>Electric Water Bath Type</b>						
3	Regulation				Code							
4	<b>DESIGN CONDITIONS</b>				<b>MATERIAL / THICKNESS mm (KS or ASTM)</b>							
5	Fluid Gas	<b>LPG</b>			Outside Shell	<b>SS400 / 3.2</b>						
6	Capacity	kg/hr	<b>500</b>		Inside Shell	<b>SPPS370 / 80A, SCH40</b>						
7	Design Pressure	Mpag	Gas Side	Water Side	Gas Coil	<b>SPPS370 / 25A, 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>	<b>DIMENSION (mm)</b>							
13	Operating Temperature	°C	Gas Side	Water Side	A	B	C	D	E	F	G	
14			<b>40</b>	<b>65</b>	<b>1200</b>	<b>1400</b>	<b>1505</b>	<b>730</b>	<b>695</b>	<b>960</b>	<b>240</b>	
15	Test Pressure	Mpag	<b>2.4</b>		<b>NOZZLE SCHEDULE</b>							
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	<b>75</b>			N-3	1	8A	JIS 20K	PT1/4"	Gas Drain		
20	Water Capacity	<b>280</b>			N-4	1	32A			Water Inlet		
21	Anti-freezing Solution	<b>84</b>			N-5	1	15A	JIS 10K	PT1/2"	Water Drain		
22	Steam Consumption	<b>N/A</b>			N-6	1	15A		PE	Water Over Drain		
23	Burner Capacity	<b>N/A</b>			N-7	1	15A		PT1/2"	Safety Valve Outlet		
24	Boiler Capacity	<b>N/A</b>			<b>KEV Series Options</b>							
25	Insulation	<b>25</b>			1. Solenoid Valve on LPG Inlet		2. Selector Switch					
26	Weight	kg	Empty	Operation	Full	3. Lamps						
27			<b>375</b>	<b>640</b>	<b>655</b>	( Solenoid Valve Open, Electric Heater On, Water Temp' High)						

