



KOREA GAS ENGINEERING

# LPG VAPORIZER DATA SHEET

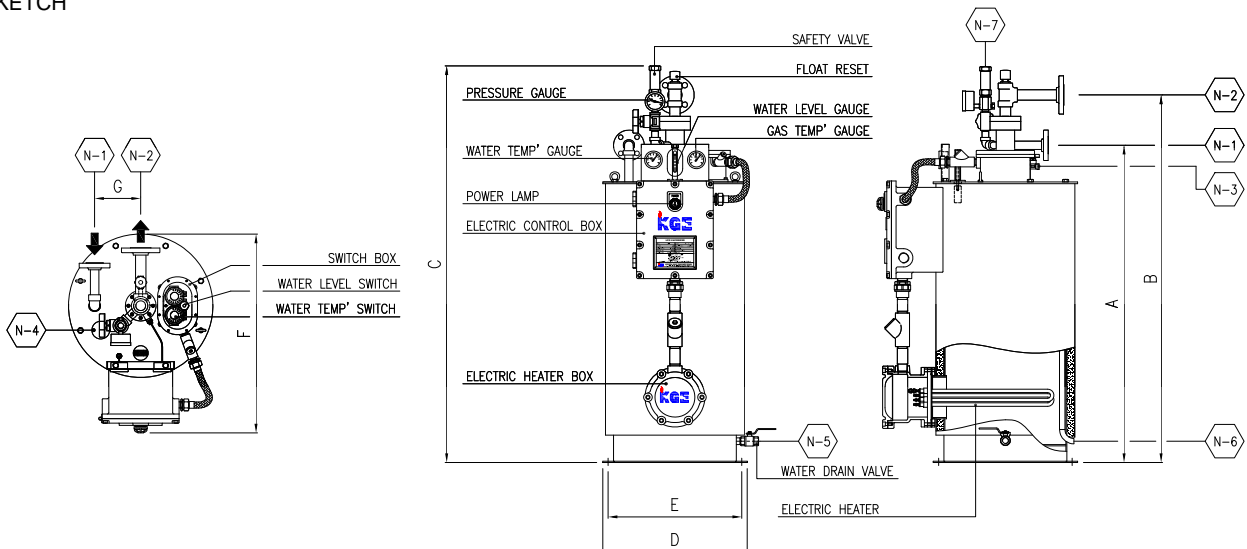
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PREP	CHKD	APPD
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NO	BY	DATE	REVISION
0	W.H.CHA	2015.01.29	FOR CONSTRUCTION

Project Name :

1	Tag No.				Service	<b>LPG Vaporizer</b>						
2	Model No.	<b>KEV-030</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>30</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>	<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>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>			<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	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>4.5</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>			<b>NOTE</b>						
25	Insulation	mm	<b>25</b>									
26	Weight	kg	Empty	Operation	Full							
27			<b>95</b>	<b>168.5</b>	<b>172.5</b>							

28 SKETCH



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