



KOREA GAS ENGINEERING

LPG VAPORIZER DATA SHEET

Project No.	:	
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Sheet	:	1 of 1
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	LPG Vaporizer						
2	Model No.	KEV-600-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	600		Inside Shell	SPPS370 / 80A, SCH40						
7	Design Pressure	Mpag	Gas Side	Water Side	Gas Coil	SPPS370 / 25A, SCH80						
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	1200	1400	1505	900	865	1175	300	
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	25A	JIS 20K	SO-RF	Liquid Inlet			
18	Heating Source	Electric Heater		N-2	1	50A	JIS 20K	SO-RF	Vapor Outlet			
19	Electric Heater Capacity	90		N-3	1	8A	JIS 20K	PT1/4"	Gas Drain			
20	Water Capacity	350		N-4	1	32A			Water Inlet			
21	Anti-freezing Solution	105		N-5	1	15A	JIS 10K	PT1/2"	Water Drain			
22	Steam Consumption	N/A		N-6	1	15A		PE	Water Over Drain			
23	Burner Capacity	N/A		N-7	1	15A		PT1/2"	Safety Valve Outlet			
24	Boiler Capacity	N/A		KEV Series Options								
25	Insulation	25		1. Solenoid Valve on LPG Inlet				2. Selector Switch				
26	Weight	kg	Empty	Operation	Full	3. Lamps						
27			525	865	880	(Solenoid Valve Open, Electric Heater On, Water Temp' High)						

