



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
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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-700-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	700		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	1250	1450	1555	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	kW	105		N-3	1	15A	JIS 20K	PT1/2"	Gas Drain		
20	Water Capacity	ℓ	390		N-4	1	32A			Water Inlet		
21	Anti-freezing Solution	ℓ	117		N-5	1	20A	JIS 10K	PT3/4"	Water Drain		
22	Steam Consumption	kg/hr	N/A		N-6	1	20A		PE	Water Over Drain		
23	Burner Capacity	kcal/hr	N/A		N-7	1	20A		PT3/4"	Safety Valve Outlet		
24	Boiler Capacity	kcal/hr	N/A		KEV Series Options							
25	Insulation	mm	25		1. Solenoid Valve on LPG Inlet		2. Selector Switch					
26	Weight	kg	Empty	Operation	Full	3. Lamps						
27			555	925	940	(Solenoid Valve Open, Electric Heater On, Water Temp' High)						

