










Contractor:  TIANCHEN CORP. CHINA	Project : MKP Methanol Project				Owner :  شرکت کیمیای پارس خاورمیانه <i>Middle East Chemicals Pars Co.</i>	
	Unit	Flare	Phase	Basic Engineering		
	Doc. Title :	Process Data Sheet for Flare KOD				
	Owner No.	MKP-11-BE-8500-PR-DSH-002				
	Contractor No.:	MKP-11-BE-8500-PS11-DSH-031				
Licenser: HALDOR TOPSOE 	TOPSOE No.	N/A		Rev. : 0	Page : 1 of 4	

Process Data Sheet for Flare KOD

REV.	DATE	PURPOSE OF ISSUE	PREPARE	CHECK	REVIEW	APPROVE
0	11.5.2016	Final Issue	Luo Jiaqi	Xu Hang	Shi Jing	
C	12.4.2016	Issued for Review	Luo Jiaqi	Xu Hang	Shi Jing	
B	18.2.2016	Issued for Review	Luo Jiaqi	Xu Hang	Shi Jing	
A	30.12.2015	Issued for Comments	Luo Jiaqi	Xu Hang	Shi Jing	

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1	Item No.	D8511					P&ID No			
2	Name	Flare K.O. Drum					Code	ASME VIII-1		
3	Type	horizontal					Diam.	mm	ID5800×L18000	
4	Fluid	vent gas/methanol	Qty	1		Volume	m ³	500		
5	Nozzle data					parameters				
6	No.	inch	Description	flange code	rated pre.	face	remarks	Design Pressure	bar(G)	5.5
7	N1	64"	gas inlet	ASME B16.5	150lb	RF		Vacuum	bar(G)	
8	N2	72"	gas outlet	ASME B16.5	150lb	RF		Max. Operating Pressure	bar(G)	5.5
9	N3	4"	condensate outlet	ASME B16.5	150lb	RF		Normal Operating Pressure	bar(G)	1.5
10	N4	2"	drain	ASME B16.5	150lb	RF		PSV Set	bar(G)	-
11	N5	8"	spare	ASME B16.5	150lb	RF	blind flange	Pressure Drop	bar	
12	N6	2"	steam/N2 purge	ASME B16.5	150lb	RF	blind flange	Design Temperature	°C	410
13	L1~2	1 1/2"	LG	ASME B16.5	150lb	RF	By Equipment	Normal Operating Temperature	°C	AMB
14	L3~4	3"	LT	ASME B16.5	150lb	RF	By Instrument	Max. Operating Temperature	°C	390
15	P	1 1/2"	PG	ASME B16.5	150lb	RF	By Instrument	Minimum Design Metal Temperature	°C	-10
16	T1~2	2"	TG	ASME B16.5	150lb	RF	By Instrument			
17	M1~2	24"	man hole	ASME B16.5	150lb	RF		Molecular Weight		13.15
18								Density	kg/m ³	6.82/990 (L)
19								materials		
20								shell		CS
21								internal		CS
22								others		
23								total weight	kg	
24								corr. Allow.	mm	3
25								insu.thick	mm	80
26								insu. Type		
27								insu. Material		Mineral fiber
28								location	<input type="checkbox"/> indoor <input checked="" type="checkbox"/> outdoor	
29								hazards area	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
30								anti-vortex	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
31								internal coil	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
32								outer coil	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
33								inert pro.	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
34								mixer	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
35								fire prev.	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
36	Remarks.									
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