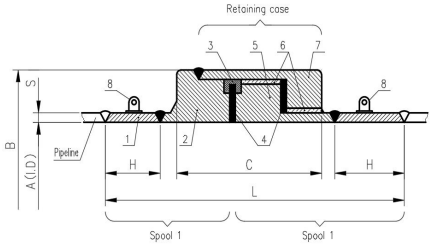


**EPC for Onshore Processing Facilities and Associated Onshore
Pipelines for Aung Sinkha Development Project (ASK) Phase 1A**

DATASHEET FOR MONOLITHIC INSULATION JOINT

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A1	14-Jul-26	LF	TQ	Issued for Review	LZL	LPP								
REV	DATE	MEC	PLR	DESCRIPTION	CHECK	APPR.	CHECK	APPR.						
		BY			ENGINEERING APPROVAL		COMPANY APPROVAL							
REVISION CODE: A = Issued for Review – B = Issued for Approval – C = Approved for Construction														
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		EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A												
		MM-ASK-1A-APL03-PLR-DTS-0002				REV								
						A1								

 		DATA SHEET		EQUIPMENT TITLE: MONOLITHIC INSULATION JOINT	
DOCUMENT NUMBER: MM-ASK-1A-APL03-PLR-DTS-0002		EQUIPMENT NO : MIJ-31001/MIJ-31002		QUANTITY: 2	
CLIENT : PTTEP INTERNATIONAL LIMITED		REVISION: A1		PAGE: 2 of 2	
PROJECT : EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A					
2	Description		12" Insulating Joint		Quantity
3	Item Number		MIJ-31001/MIJ-31002		2
4			Sketch: The insulating joints shall be monolithic type. This sketch is applicable as the reference one. It is permissible to apply other structure types, which should meet the requirements for strength, seal tightness and insulation, but must be submitted to COMPANY for approval.		
5			1. pup piece		
6			2. left male flange		
7			3. O-type or U-type sealing part		
8			4. insulating ring		
9			5. right male flange		
10			6. insulating packing		
11			7. fixed sleeve		
12			8. connecting lugs		
13					
14					
15	Connecting Line Pipe Data				
16	Connecting Line Pipe Reference Specification	10008-STD-6-PLR-005	Transmission Medium		Export gas
17	Connecting Pipeline Material	API 5L PSL 2 X65	Connecting Pipeline Dimension ODxWT,mm		OD323.9x15.9
18	Pipeline Pressure Class:	Class900	Piping Material Class:		APL03
19	Design Parameters				
20	Design Code	ASME B 31.8 latest edition	Design Pressure, barg		153.2
21		ASME VIII Div.1 Appendix 2 latest edition	Design Temperature, °C		-29~70
22		MM-ASK-1A-APF-COR-SPE-0008	Hydrotest Pressure, barg		229.8
23	Design Factor(F)	0.5	Corrosion Allowance,mm		3
24	Beveled Ends	ASME B 16.25 Buttwelding Ends	Installation Type		Above Ground
25	Structural Parameters				
26	A(mm)	S(mm)	B(mm)	C(mm)	H(mm)
27	292.1	15.9	VTA	VTA	VTA
28	Lighting protection spark gap	Nominal discharge current: In(8/20µs): 100 KA; lightning shock current: Iimp(10/350µs): 50KA; response time: 25ns. Degree of protection: IP56, Zone 2, Group II A, T3, Min. supply with installation accessories			
29	No.	Item	Material (Note 9)		
30	1	Pup Piece	API 5L X65 PSL2 (Note7)		
31	2	Left Male Flange	ASTM A694 F65		
32	3	Sealing Gasket	Fluoro-rubber (Shore hardness 70) (accordance with ASTM D-2000) (VTC)		
33	4	Insulating Ring	Fiber glass epoxy (in accordance with ASTM D-709 Type IV G-11) (VTC)		
34	5	Right Male Flange	ASTM A694 F65		
35	6	Insulating Packing	Fiber glass epoxy (in accordance with ASTM D-709 Type IV G-11) (VTC)		
36	7	Fixed Sleeve	ASTM A694 F65		
37	8	External Coating	As per 10008-STD-6-COR-011		
38	9	Internal coating	System S102 as per 10008-STD-6-COR-004		
39	10	Adhesion Sealant	Silicone rubber (VTC)		
40	Notes				
41	1. Monolithic Insulation Joints shall be designed, manufactured, inspected and tested as per MM-ASK-1A-APF-COR-SPE-0008 "Specification for Insulating Flange Kits and Monolithic Isolation Joint" and 10008-STD-6-COR-033 "Insulating Joints".				
42	2. All monolithic insulating joints body should be fabricated by forging Material. Material certification EN10204 Type 3.2 shall be provided. Material traceability shall be in accordance with 10008-STD-6-GEN-007 "Material Traceability".				
43	3. Hydrostatic test pressure is 1.5 times design pressure. After the hydrostatic test, a dynamic test and static test shall be carried out as per 10008-STD-6-COR-033 "Insulating Joints".				
44	4. Gas leak test shall be carried out and the test pressure is design pressure.				
45	5. Welding and NDT procedure shall be submitted to CONTRACTOR/COMPANY for review and approval.				
46	6. The spark gap shall be installed by bolt and nut through the connection lug. The connection lug for the spark gap shall be installed at each end of the isolation joint in the factory. The size of connection lug shall be 50mmx50mm with 10mm hole. The material shall be same as pup piece.				
47	7. VENDOR shall consider the length of pup piece to ensure that the internal structure of the isolation joint is not damaged during welding. The length of each pup piece shall be no less than 300mm when the outside diameter (OD) of pipe is less than 300mm. The length of each nipple shall be no less than OD of pipe when the OD is no less than 300mm. The vendor shall guarantee the total length of isolation joint to meet the requirements of service condition.				
48	8. External coating & internal coating shall be as per 10008-STD-6-COR-011 "Painting of Onshore Structures and Facilities for Construction and Maintenance Works" and 10008-STD-6-COR-004 "Internal Coating of Pressure Vessels and Tanks".				
49	9. VENDOR shall ensure and confirm that all non-metallic materials being used are suitable & compatible for the process and design conditions.				
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