

NOTE

- 1- ROOT GAPS OF BUTT WELD FITTINGS ARE NOT INCLUDED IN DIMENSIONS.
- 2- ISOMETRIC DRAWINGS FOR 1 1/2" AND SMALLER PIPINGS ARE JUST FOR INFORMATION. PIPING ROUTING, DIMENSIONS AND ELEVATIONS TO BE CHECKED BY CONSTRUCTION CONTRACTOR BEFORE INSTALLATION.
- 3- FOR 1 1/2" AND SMALLER, SUPPORTS TO BE SELECTED BY CONSTRUCTION CONTRACTOR EXCEPT AS NOTED.
- 4- BEFORE PRE-FABRICATION CHECK ACTUAL SIZE OF SPECIAL ITEMS.














CONDITION		DESIGN		OPERATING										
PRESS. (barg)		47.4		21.3										
TEMP.(°C)		55		-										
TEST FLUID:H		PRESS. TEST(barg): 71.1				D4	26.Jun.19	APPROVED FOR CONSTRUCTION	IPMI	A.KH.	H.L.	A.D.	P.T.B	
INSULATION TYPE:C			INSULATION THK.: 70			D3	19.11.18	APPROVED FOR CONSTRUCTION	IPMI	T.R.	H.L.	A.D.	P.T.B	
PAINT CODE: 3			HEAT TRANSFER CEMENT:--			D2	04.10.14	APPROVED FOR CONSTRUCTION	IPMI	F.Y.	S.M	M.F	P.T.B	
STRESS ANALYSIS: 3			DENSITY(kg/m³):587.9			D1	14.12.11	APPROVE FOR CONSTRUCTION	IPMI	Z.Z	A.D	M.F	P.T.B	
TRACING	STEAM TRACING QTY.		TRACING SIZE		NDT:10%RT		D0	20.10.11	ISSUED FOR APPROVAL	IPMI	Z.Z	A.D	M.F	P.T.B
	-		-		PWHT:N		REV.	DATE	DESCRIPTION	ORIG.	PREP.	CHKD.	APPD.	CONT.
	ELEC. TRACING YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		PHASE: L				REF.P&ID DWG.No.:14-147-0030-0102							

PT NO	COMPONENT DESCRIPTION
1	Pipe ASME B36.10M BE S2 -46C S-30 ASTM A 671 GR. CC 65 CLASS 22 LOW TEMP. E.F.W.
2	Pipe ASME B36.10M BE S-80 ASTM A 333 GR. 6 SMLS
3	Tee ASME B16.9 BW S-30 ASTM A 420 GR. WPL6 Wrought W
4	Elbow 90 D LR ASME B16.9 BW S-80 ASTM A 420 GR. WPL6 Wrought S
5	Flange Weldneck w/jackscrew ASME B16.5 300 LB RF (125-250 AARH) S-30 ASTM A 350 Gr. LF2 Class 1 FRGD.
6	Flange Weldneck ASME B16.5 300 LB RF (125-250 AARH) S-30 ASTM A 350 Gr. LF2 Class 1 FRGD.
7	Flange Weldneck ASME B16.5 300 LB RF (125-250 AARH) S-80 ASTM A 350 Gr. LF2 Class 1 FRGD.

PT NO	COMPONENT DESCRIPTION
8	Blind & Open Spacer Ring ASME B16.48 300 LB FF (125-250 AARH) S5 -46C (A 516 GR. 65 + S5 -46C is also acceptable) ASTM A 516 GR. 60 From Plate
9	Gasket Spiral Wound - 4.5 mm Thk. ASME B16.20 300 LB Outer LTCS ring 3.2mm,inner ring SS316 AISI 316 SPIRAL WOUND/GRAPHITE
10	Gasket Spiral Wound - 4.5 mm Thk. ASME B16.20 300 LB Outer LTCS ring 3.2mm,inner ring SS316 AISI 316 SPIRAL WOUND/GRAPHITE
11	280 Stud bolt w/2 heavy hex. nuts ASME B18.2.2 /ASME B1.1 ASTM A 193 GR.B7M/A194 GR.2HM
12	205 Stud bolt w/2 heavy hex. nuts ASME B18.2.2 /ASME B1.1 ASTM A 193 GR.B7M/A194 GR.2HM
13	90 Stud bolt w/2 heavy hex. nuts ASME B18.2.2 /ASME B1.1 ASTM A 193 GR.B7M/A194 GR.2HM
14	Valve Ball LP FB API 6D FLG 300 LB RF (125-250 AARH) Bolted, Split, Side Entry (Cast Or Forge) GA-E-60793L ASTM A 352 GR. LCC or A 350 GR.LF2 CL.1 Cast or Forged

15	Pneumatic On-Off Valve-300# 1471 SDV-0014
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SOUTH PARS GAS FIELD DEVELOPMENT

 		   	PHASE 14 TOMBAK ONSHORE FACILITIES DETAIL DESIGN		 N . I . O . C PARS OIL AND GAS COMPANY
 		   	PROJECT No. : POGC-653-89-35		
LINE No. :			LINE CLASS :		UNIT No. :
20" – L. 147.10012–D21–C			D21		147
DOCUMENT No. :		ISO DRAWING No. :	ORG. ID. :	REV. :	SHT. No. : DOC. CLASS
DWG-14-147-1330-2001-I		L. 147.10012	I	D4	2 / 10 3

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