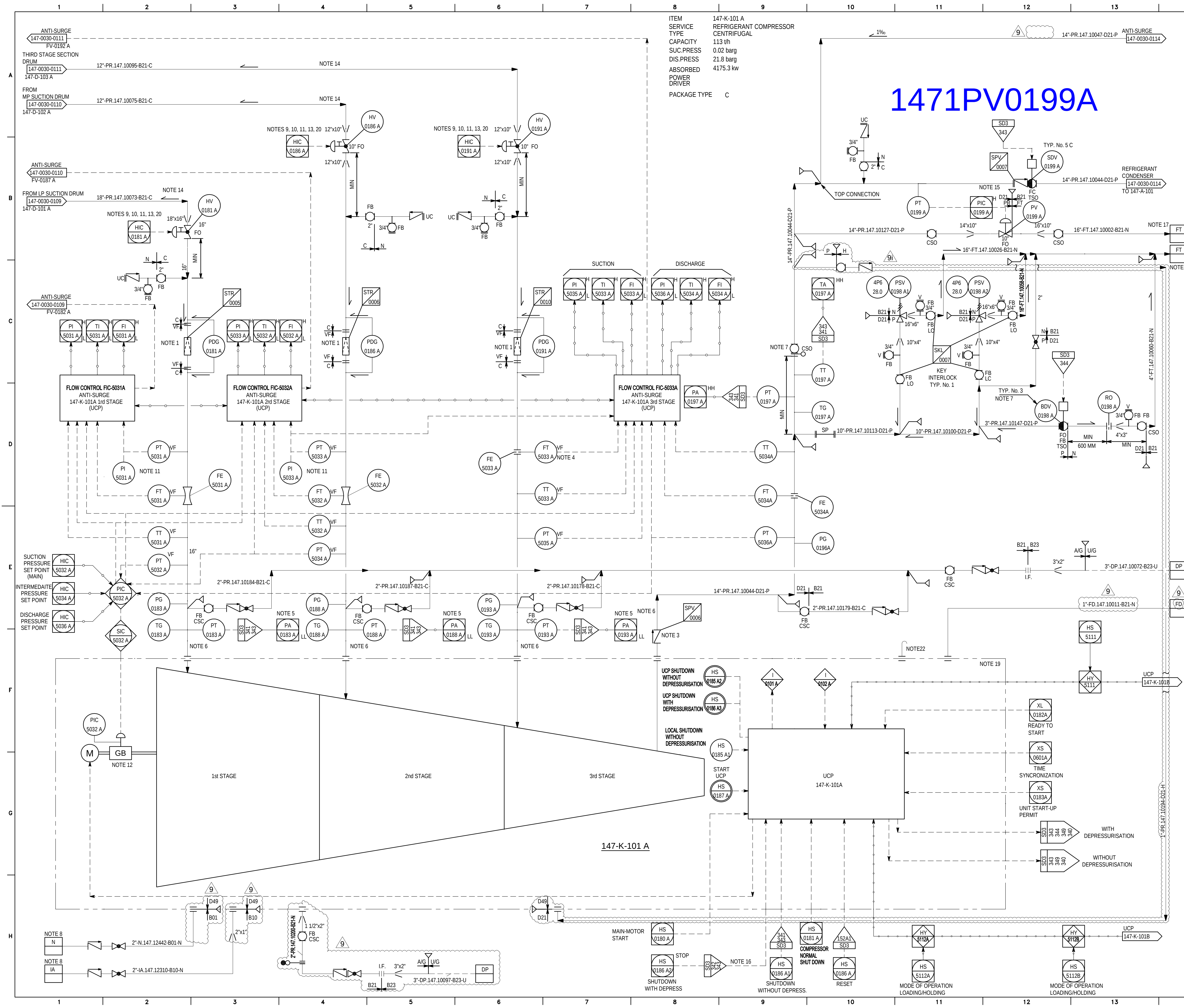




ITEM
SERVICE TYPE
CAPACITY
SUC.PRESS
DIS.PRESS
ABSORBED POWER
DRIVER
PACKAGE TYPE

147-K-101 A
REFRIGERANT COMPRESSOR
CENTRIFUGAL
113 v/h
0.02 barg
21.8 barg
4175.3 kw
C

- NOTES**
1. STRAINER IN VENDOR SCOPE.
 2. DELETED.
 3. NON SLAM CHECK VALVE TO BE LOCATED AT MINIMUM DISTANCE FROM COMPRESSOR AND HORIZONTALLY INSTALLED.
 4. TYPE OF PRIMARY ELEMENT AND ANTI-SURGE FLOW CONTROL TO BE CONFIRMED BY COMPRESSOR VENDOR.
 5. PSL PROVISION: PENDING K-101 START-UP CONDITION.
 6. PROVIDE DRAINS CONNECTED TO DP IF LOW POINT EXISTS AT SUCTION AND DISCHARGE LINES.
 7. REPLACEMENT OF BLOCK VALVES BY SDV, BDV OPENING AND HOT GAS BY-PASS REQUIREMENT DEPENDING ON COMPRESSOR VENDOR REQUIREMENT FOR SEAL LEAK PROTECTION.
 8. 1A AND N2 CONNECTION TO BE PROVIDED CLOSE TO THE INJECTION POINT. NUMBER OF CONNECTIONS TO BE CONFIRMED DEPENDING ON COMMISSIONING AND START-UP PHILOSOPHY. CHECK THE NECESSITY TO PROVIDE A PURGE OF THE LINES.
 9. INSTALLATION OF INLET GUIDE VANES INSTEAD OF HV FOR START-UP TO BE CONSIDERED AS AN ALTERNATE BY COMPRESSOR VENDOR.
 10. MECHANICAL CLOSURE LIMITER ON VALVE TO PREVENT COMPLETE CLOSURE OF THESE THROTTLE VALVES.
 11. PI TO BE LOCATED CLOSE TO HV TO BE EASILY ACCESSIBLE BY OPERATOR.
 12. VARIABLE FREQUENCY DRIVE (VFD) 9
 13. HV PROVISION TO BE REVIEWED AFTER COMPRESSOR VENDOR SELECTION.
 14. 147-K-101 A/B TO HAVE SYMMETRICAL SUCTION PIPING.
 15. NON SLAM CHECK VALVE.
 16. LEVEL 3 SHUTDOWN ACTIONED BY THE CAUSES LISTED IN PROCESS DESCRIPTION.
 17. CONNECTED TO UNIT 147 & 148 MP FLARE HEADER.
 18. DELETED 9
 19. INTERACTION BETWEEN THE TWO MACHINES SHALL BE DEFINED BY MACHINE VENDOR.
 20. LOCATED AT HIGH POINT.
 21. DELETED.
 22. VENT TO SAFE LOCATION.

GENERAL NOTES

ALL INSTRUMENT TAGS TO READ:

LETTERS	NUMBER
1471	FFF NNNN

EQUIPMENT LIST			
COMPRESSOR			
147-K-101 A			

UTILITY PID NUMBER			
N	PID-1718-191-0040-0002	DP	PID-1718-191-0040-0005
FT	PID-1718-191-0040-0004 (SHEET 1 OF 2)		
IA	PID-1718-191-0040-0002		
FD	PID-1718-191-0040-0004		

FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	ORIG.	PREP.	CHKD.	APPD.	AUTH.
9	02 SEP 2014	APPROVED FOR CONSTRUCTION	IDRO	RT	GS	GS	MD
8	20 OCT 2013	APPROVED FOR CONSTRUCTION	IDRO	MS	GS	GS	MD
7	25 SEP 2013	APPROVED FOR CONSTRUCTION	IDRO	MS	GS	GS	MD
6	11 JUN 2013	APPROVED FOR CONSTRUCTION	IDRO	RS	NS	MF	MD
5	07 DEC 2010	ISSUED FOR APPROVAL	IDRO	NA	NS	MF	AKH
4	10 JAN 2010	ISSUED FOR APPROVAL	IDRO	AD	AD	MF	AKH
3	15 DEC 2008	ISSUED FOR COMMENT	IDRO	NB	NZ	MF	AKH
2	01/02/08	APPROVED FOR DESIGN	WP	RI	AF	RPW	MS
1	26/10/07	ISSUED FOR HAZOP	WP	RI	AB	RPW	MS
0	18/08/07	ISSUED FOR COMPANY APPROVAL	WP	RI	AF	RPW	MS

SOUTH PARS GAS FIELD DEVELOPMENT - PHASES 17 & 18, ASSALUYEH-IRAN ONSHORE FACILITIES

PROJECT No.: POGC-84-801-244 DOC. CLASS. 1 SCALE : N/A

TITLE: UNIT 147: PROPANE STORAGE AND EXPORT PROPANE REFRIGERANT COMPRESSOR "A" PIPING AND INSTRUMENT DIAGRAM

DWG No: PID-1718-147-0030-0112 SHEET No. 1 OF 1 REV. 9

SIZE: A1