



B-001A/B
TV FLARE AIR BLOWER

FLOWRATE m³/h (MMSCFD) : 44.249 (37.5)
DRIVER POWER kw (hp) : 37/9.2 (50/12.3)
MOLECULAR WEIGHT kg/kgmole : 28.8
UTC NO. :
TRIM NO. : -

GENERAL NOTES:

- FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & 002.
- ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530--.
- ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030--.
- FOR TYPICAL INSTRUMENT CONNECTION SBOV, XY, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.002, 003, 004, 005, 006 & 007.
- FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS, STRAINERS & CONTROL VALVES SEE DRAWINGS 50489-530-020-PID-1108.001 TO 1108.010.
- DRAWING NUMBERS SHOWN IN P&ID CONTINUATION BOXES ARE ABBREVIATED SHOWING DRAWING SEQUENTIAL NUMBERS ONLY. THE FULL FORM OF THE DRAWING NUMBER IS 50489-530-020-PID-XXXX.SHT.NO.
- FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1023.
- DETAIL NUMBERING FOR CL, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
- PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.
- LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.
- FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.
- FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

NOTES:

- TV FLARE IS A 100% SMOKELESS AIR-ASSISTED TYPE WITH 2 BLOWERS (2x100%).
- LOGIC CONTROL AND SEQUENCE FOR BLOWER AUTOMATIC OPERATION BY PLC BLOWER CONTROL LOGIC.
- AIR BLOWER INTAKE FILTER IS ELEVATED 3M TO AVOID DRIFTING SAND ENTERING THE SYSTEM.
- DCS ALARM FOR AIR BLOWER "NOT RUNNING" IS PROVIDED.
- TV FLARE TRAIN-B IS 100% SPARE FOR TV FLARE TRAIN-A.
- INLET SILENCER IS INTEGRATED PART OF AIR BLOWER INTAKE FILTER.
- VENDOR PID NO: 50489-530-020-00052-PID-V002 SHEET 5 OF 6.
- BLOWER (B-001A) IS DUAL SPEED & BLOWER (B-001B) IS FIXED SPEED.
- PAL-1572/1574 ALARM ARE IN SERIES WITH RESPECTIVE BLOWER RUNNING STATUS.
- LCS PROVIDED BY CONTRACTOR.

KEY
★ LOOSE SUPPLIED BY VENDOR AND INSTALLED BY CONTRACTOR.

AS-BUILT KOC APPROVAL	
NAME / KOC NO:	
DESIGNATION:	
GROUP / TEAM:	
SIGNATURE:	
DATE:	

AS-BUILT LARSEN & TOUBRO LIMITED	
NAME:	VAIBHAV VERMA
DESIGNATION:	AGM
SIGNATURE:	
DATE:	24-Sep-2018
DEPT/ DIVISION:	ENGINEERING

ZO	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	DER	24.09.18
O1	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	DER	21.12.16
O	ISSUED FOR CONSTRUCTION	PAK/ABY	AKG	SRA	RAK	08.06.16
B	ISSUED INCORPORATED CLIENT COMMENTS	PAK/VSA	AKG	SRA	RAK	09.05.16
A	ISSUED FOR APPROVAL	PAK/VSA	AKG	SRA	RAK	22.03.16
REV.	DESCRIPTION	DRAWN	CHECKED	HOOD	PEM	DATE

CONTRACTOR REVISION



CONTRACTOR DETAILS:-			
LARSEN & TOUBRO LIMITED FARIDABAD			
PROJECT TITLE:- NEW GATHERING CENTRE GC-30 IN NORTH KUWAIT			
DOCUMENT TITLE:- PIPING & INSTRUMENTATION DIAGRAM TANK VAPOUR FLARE (Z-030A) TRAIN A (TV FLARE AIR BLOWER B-001A/B)			
PROJECT NO.	DRAWING NO.		
CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.	REV.
50489-530-020-PID-1177.004	20		
SHEET NO. 4 OF 7			
COMPANY DRG. NO.	REV.		
EF1902-530-DCO-PID-0177.004	A4		
SHEET NO.			