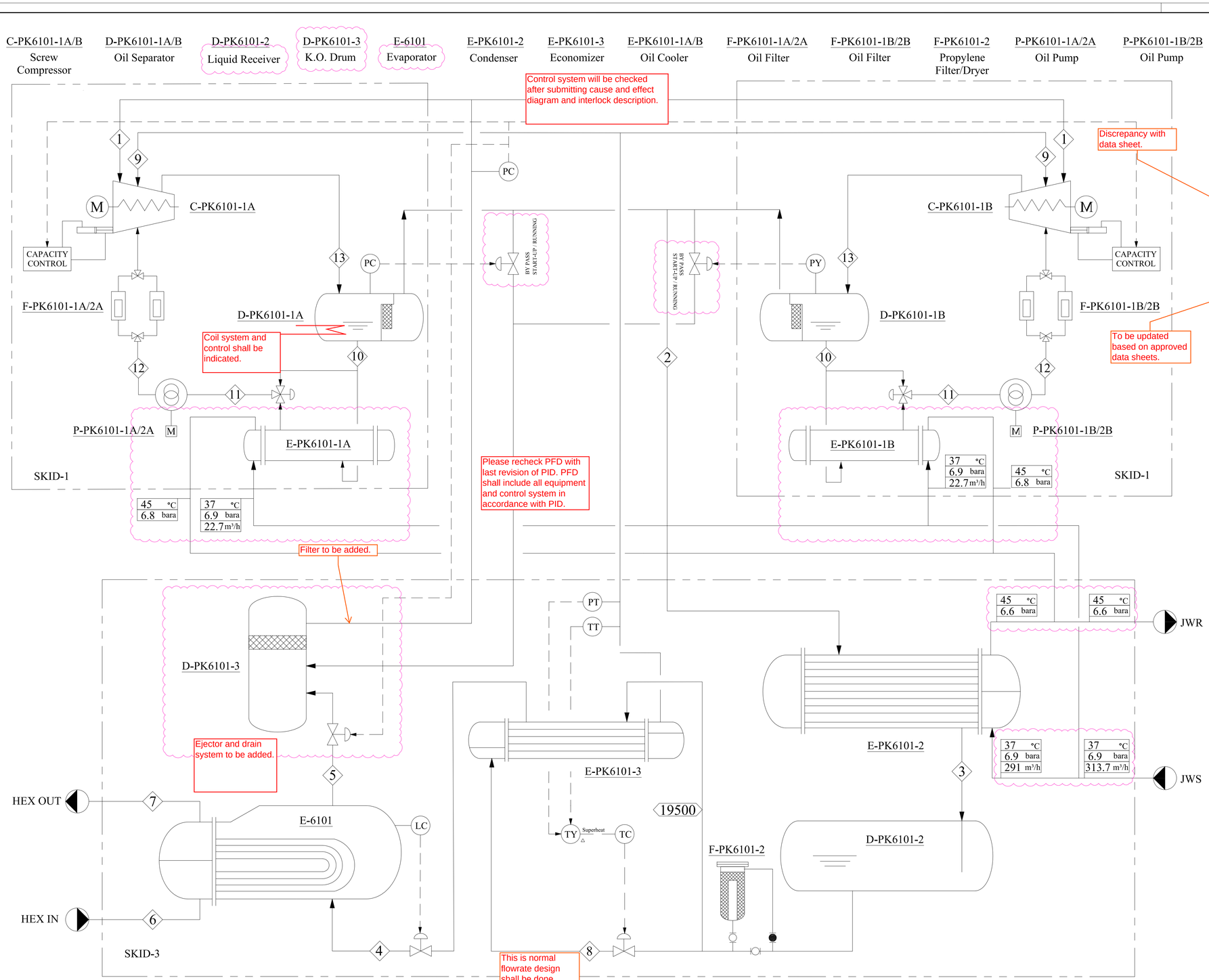
C-PK6101-1A/B Screw Compressor | D-PK6101-1A/B Oil Separator | D-PK6101-2 Liquid Receiver | D-PK6101-3 K.O. Drum | E-6101 Evaporator | E-PK6101-2 Condenser | E-PK6101-3 Economizer | E-PK6101-1A/B Oil Cooler | F-PK6101-1A/2A Oil Filter | F-PK6101-1B/2B Oil Filter | F-PK6101-2 Propylene Filter/Dryer | P-PK6101-1A/2A Oil Pump | P-PK6101-1B/2B Oil Pump



STREAM NO.	UNIT	1	2	3	4	5	6	7	8	9	10	11	12	13
DESC.		PRY GAS TO COMP.	PRY GAS FROM COMP.	CONDENSATE PROPYLENE	REFRIGERATE PROPYLENE	RECYCLE PROPYLENE	HOT HEXANE	COOLED HEXANE	PROPYLENE TO ECO.	ECO. FLOW TO COMP.	SEPARATED OIL	COOLED OIL	OIL TO FILTER	COMPRESSOR DISCHARGE
TEMP.	°C	-25.0	80.3	48.5	-24.4	-25.0	-16.0	-20.0	12.4	15.0	80.3	50.0	50.0	80.3
PRESS.	bara	2.46	19.9	19.8	2.61	2.51	6.91	6.41	8.3	8.09	19.9	19.3	22.3	20.0
C3= FLOW	kg/h	19500	27623	27623	19500	19500	748000	748000	8123	8123	-	-	-	27623
OIL FLOW	LPM	-	-	-	-	-	-	-	-	-	240	240	240	240
DENSITY	kg/m³	5.34	35.8	461	24.7	5.38	703	707	56.0	17.8	870	880	880	-
V.F.		1.0	1.0	0.0	0.24	1.0	0.0	0.0	0.29	1.0	0.0	0.0	0.0	0.0/1.0

Color	Width
RED	0.10
YEL	0.20
GRN	0.30
CYA	0.40
BLU	0.50
MAG	0.60
WHY	0.20
8	0.10
9	0.10
11	0.10
30	0.10
40	0.10
54	0.10
60	0.10
100	0.10
112	0.10
140	0.10
230	0.10

REFERENCES DOCUMENT

NOTES

1) One compressor unit is for standby.

2) Compressor model : PPN320LUD-ME

SPECIFICATION

Compressor Duty:

BHP = 940 kW

Heat Exchanger Duty:

E-6101 = 1750 kW

E-PK6101-1A/B = 209 kW

E-PK6101-2 = 2682 kW

E-PK6101-3 = 508 kW

LEGEND

CLIENT: Dehdasht Petrochemical Industries Co.

MC: PGPIC Petrochemical Industries Development Management Company

CONTRACTOR: Petropars Ltd. / NARGAN

PROJECT TITLE:

DEHDASHT PETROCHEMICAL INDUSTRY COMPANY
DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT

DRAWING TITLE:

PROCESS FLOW DIAGRAM (PFD)

DOCUMENT No: DPIC9812-000-VD-1002-ME-PFD-0011 | SC. | SIZE: A1

Proj. Code	Area No.	VD	Material Code	PO No.	Disc. Code	Doc. Type	Serial No.	Rev.	Sheet No.
DPIC9812	000	VD	1002	4150	ME	PFD	0011	D1	1 OF 1

PURCHASER'S COMMENT/APPROVAL STATUS

1. AP: Approved (Released for Manufacturing)
2. AN: Approved With Minor Comments (Fabrication may Proceed)
3. NF: Approved With Comments (Fabrication not Proceed)
4. RJ: Rejected
5. NR: Not be Returned

Date : 29.01.2022 Signature : A.AB

PURCHASER:

REQUISITION NO.: DPIC98-12-001-000-ME-MR-4150-0001-D3

ITEM NO. (TAG NO.): PK-6101

VENDOR DOC. NO.: DPIC98-000-VD-1002-ME-PFD-001-D1

REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
D1	03-01-2022	ISSUE FOR APPROVAL	R.GOUDARZI	M.NAZARSHOAR	DR.A.NEJATI
D0	10-11-2021	ISSUE FOR APPROVAL	R.GOUDARZI	M.NAZARSHOAR	DR.A.NEJATI

KASRAVAND CO.