



- NOTES:**
- 1 Pump assembly supplied by MAYEKAWA includes the regulator
  - 2 Recycle is required to control compressor capacity at minimum load
  - 3 For operation P and T, refer to Table

DP CLEAN: 0.2-0.3 BAR  
DP DIRTY: 1 BAR

please make sure compressor skid PFD to be matched with STD skid regarding scope of supply. For example do we have dual filter, or change over valve or TCV in STD skid which are shown in PFD

MME:Noted

	50	51	52	53	54
Vapour	0.00	0.00	0.00	0.00	0.00
Temper	68.60	68.58	68.40	50.00	50.00
Pressure	20.29	25.59	25.59	24.59	23.89
Mass Fl	53.20	53.20	53.20	53.20	53.20
Volume	615.65	615.62	615.29	590.85	590.85
Heat Fl	0	0	0	0	0
Compo	OIL	OIL	OIL	OIL	OIL
MW	500	500	500	500	500
Cp	-	-	-	-	-
Z Factor	-	-	-	-	-
Density	1005.00	1005.00	1005.00	1020.00	1020.00
Viscosity	12.00	12.00	12.00	18.36	18.36

STREAM	Unit	1	2	3	4	5	6	7	8	30	31
Vapour Fraction		1.00	1.00	1.0000	1.0000	0.0000	0.0000	0.4308	1.0000	0.0000	0.0000
Temperature	C	-0.16	68.60	68.58	68.58	56.48	56.48	0.88	-0.01	15.20	5.00
Pressure	bara	4.65	20.29	20.28	20.28	19.76	19.76	4.86	4.72	5.00	4.80
Mass Flow	kg/h	2,808.00	6,010.20	2,808.00	2,808.00	2,808.00	2,808.00	2,808.00	2,808.00	40,600.00	40,600.00
Heat Flow	kW	-1,894.90	-1,832.00	-1,832.00	-1,832.00	-2,061.10	-2,061.10	-2,061.10	-1,894.00	-	-
Component(s)		PROPANE	PROPANE & OIL	PROPANE	PROPANE	PROPANE	PROPANE	PROPANE	PROPANE	STYRENE IN	STYRENE OUT
MW	kg/kgmol	44.096	-	44.096	44.096	44.096	44.096	44.096	44.096	-	-
Cp/Cv		1.2189	-	1.3823	1.3823	-	-	-	-	-	-
Z Factor		0.8951	-	0.7256	0.7256	-	-	-	-	-	-
Density	kg/m3	10.11	-	43.38	43.38	436.70	436.70	-	10.27	909.60	918.00
Viscosity	cp	0.0078	-	0.0106	0.0106	0.0690	0.0590	-	0.0078	0.820	0.960

Comp. Oil Flow: 53.2 Lpm  
14.1 GPM

Client: ENER TEKNOLOJI  
P. O. No.: PO-ENER-MME-2024-100-002  
Project: DELTA  
Service: REFRIGERATION PACKAGE  
Location: IRAQ  
Job No.: MPG009  
Unit Item Number: 0  
Compressor Model: 250LUD-L  
Refrigerant: PROPYLENE

REVISION	DATE	DESCRIPTION
0	3/7/2024	Issued for Approval

BY: Vendor 2  
APP: Vendor 1  
DATE: 3/7/2024  
DWG: MPG009-20085  
REV: 0