



STREAM NO.	5001	5002	5003	5004	5005	5006	5007 (NOTE 7)
TEMPERATURE, °C	47	25	37	37	37	37	37
PRESSURE, Barg	3.5	5.5	5.5	0.31	5.5	5.5	2
TOTAL MASS FLOW, kg/h	24960575	532430	24960575	26283485	74882	1248029	520
DENSITY, kg/m3	990.7	1007.5	998.4	998.3	998.4	998.4	998.3
VISCOSITY, Cp	0.57	0.89	0.69	0.69	0.69	0.69	0.69

REFERENCE DRAWINGS

DWG. NUMBER

**Note :**

1. DELETED.
2. DELETED.
3. DELETED.
4. DELETED.
5. 7 ELECTRICAL PUMPS ARE CONSIDERED FOR COOLING WATER PUMPS. (5 DUTY PUMPS + 2 SPARE PUMPS).
6. REQUIRED CONTROL FLOW VALVE SHALL BE CONSIDERED BY FILTRATION PACKAGE VENDOR.
7. STREAM PRESSURE AND BACK WASH FLOW RATE ARE PRELIMINARY AND WILL BE FINALIZED BY VENDOR DURING DETAIL DESIGN.
8. DELETED.
9. DELETED.
10. 6 (5+1) COOLING WATER CELLS CONSIDERED.
11. DELETED.
12. DELETED.
13. DELETED.
14. DELETED.
15. THE LOCATION OF PACKAGE 83-W-901 WILL BE CHECKED AND FINALIZED DURING DETAILED DESIGN ENGINEERING PHASE AS PER CONTRACT.

**Legend :**

01	ISSUED FOR APPROVAL	22-Sep-2025	M.HASSANI	M.JAMSHIDI	M.H.ESHRAGHI	
00	ISSUED FOR COMMENT	18-Dec-2024	M.FALLAHI	M.JAMSHIDI	E.SHAFAGHATI	
REV.	PURPOSE OF ISSUE	ISSUE DATE	PREPARE	CHECKED	APPROVED	
OWNER:			MC:			
CONTRACTOR/CONSULTANT:						
PROJECT TITLE:						
PROPANE DEHYDROGENATION (PDH) PROJECT						
DOCUMENT TITLE:						
PFD for Cooling Tower System						
DOC NO.:	PROJ.CODE	Sec.	PHASE	DEP.	DOC. TYPE	SERIAL NO.
	3981	50	DE	PR	PFD	020
SCALE: 1:100	SIZE: A3	SHEET NO: 1 OF 1		REVISION: 01	CLASS: 1	

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