



STREAM NO.	5001	5002	5003	5004	5005	5006	5007 (NOTE 7)	5008
TEMPERATURE, °C	47	25	37	37	37	37	37	60
PRESSURE, Barg	3.5	5.5	5.5	0.31	5.5	5.5	2	4.5
TOTAL MASS FLOW, kg/h	2.5E+07	532430	2.5E+07	2.6E+07	74882	1248029	520	2900
DENSITY, kg/m3	990.7	1007.5	998.4	998.3	998.4	998.4	998.3	983
VISCOSITY, Cp	0.57	0.89	0.69	0.69	0.69	0.69	0.69	0.46

REFERENCE DRAWINGS

DWG. NUMBER

**Note :**

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

16-WILL BE FINALIZED LATER.

**Legend :**

01	ISSUED FOR APPROVAL	22-Sep-2025	A.HOSEINGOO	M.JAMSHIDI	M.H.ESHRAGHI
00	ISSUED FOR COMMENT	18-Dec-2024	M.FALAHI	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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