



SECTION A-A

U CUP SEAL ORIENTATION DETAIL

ITEM NO.	DESCRIPTION	MATERIAL	QTY.
1.	8" MODULE PRESSURE VESSEL (SEE DWG 1658MOD01-V S-230_231)	CARBON STEEL	1
2.	VMI MEMBRANE MODULE	SS/FRP	4
3.	PERMEATE HEAD ASSEMBLY (SEE DWG 1658MOD01-V S-230_231)	CARBON STEEL	2
4.	TRI CLOVER 13MHP CLAMP ASSEMBLY	SS	6
5.	2" TRICLOVER 40MPSFY GASKET	VITON	6
6.	MTR DESIGNED CHECK ALL VALVE	SS	2
7.	PARKER U-CUP SEAL NO. 8410-0737	VITON	4

MODULE LOADING MAP		
MODULE	VESSEL S-230	VESSEL S-231
A1	4830	4832
A2	4831	4833
B1	4838	4840
B2	4839	4841

NOZZLE SCHEDULE		
NOZZLE	SIZE/CONNECTION	DESCRIPTION
A	2" SCH160 CL 300WN	FEED INLET
B	2" SCH160 CL 300WN	RESIDUE OUTLET
C*	2" SCH160 CL 300WN	PERMEATE OUTLET TO COMPRESSOR SUCTION
D*	2" SCH160 CL 300WN	PERMEATE OUTLET TO COMPRESSOR INTERSTAGE

GENERAL NOTES		STAMP	
1. MATERIAL OF CONSTRUCTION: C S		CERTIFIED BY MTR, INC.	
2. DESIGN PRESSURE: 23.5 kg/cm ²		SIGNATURE: _____ DATE: _____	
3. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)		REVISION	
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		System: TYPICAL	
		Customer/Consultant: HIF PETROBRAS	
		Location: SPRIA	
Scale: 1/4" = 1'-0"		P.O. No. 65120289	
Project Engineer: MTR		Name: MTR	
Date: 09/27/07		Initial: MTR	
Drawn by: MTR		Date: 09/27/07	
Sheet: 1 of 1		DWG. No. 1658-MOAS02-A	

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MEMBRANE PRESSURE VESSEL S-230 & S-231