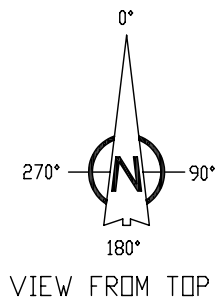


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<div><div></div><div>desmet ballestra</div></div>		ITEM 12E5		CUSTOMER				DWG. 1E35 . 35 . 010				
				1st SO3 COOLER				FLOW SHEET 1E35 . 10 . 003				
				PLANT SULPHUREX		JOB 1E35		SHEET 1 OF 1				
Rev.	Date	Drawn										
0	05.11.09	A.S.		ISSUED FOR BID								
1	23.01.10	G.R.		ORIENTATION DEFINED								
2												
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NOZZLES							DESIGN DATA			SHELL	TUBE	JACKET
POS.	SIZE	RATING	N°	SERVICE	THK.	NOZZLES ORIENTATION	OPERATING PRESSURE	Bar (g)	0,05	0,049		
S1	12"	S.D. RF 150#	1	AIR INLET	9,52	0°	DESIGN PRESSURE	Bar (g)	0,08	0,9		
S2	14"	S.D. RF 150#	1	AIR OUTLET	9,52	0°	HYDROSTATIC TEST PRESSURE	Bar (g)	1,5	3		
S3	1/8"	ANSI B2.1 NPT	1	DRAIN	-	180°	PNEUMATIC TEST PRESSURE	Bar (g)	-	-		
S4	1/8"	ANSI B2.1 NPT	1	VENT	-	180°	OPERATING TEMPERATURE	°C	40 375	427 200		
							DESIGN TEMPERATURE	°C	400	480		
							FLUID/SPECIFIC WEIGHT	Kg/dm3	AIR	AIR+ So3		
							HEAT EXCHANGE SURFACE	m2	-	155~		
							HEAT TREATMENT		-	-		
							X-RAY TEST		-	-		
T4	1/2"	ANSI B2.1 NPT	1	VENT	-	Ø	PENETRATING LIQUIDS TEST		-	-		
T3	2"	S.D. RF 150#	1	DRAIN	3,91	Ø	JOINT EFFICIENCY		0,7	0,7		
T2	14"	S.D. SG 150#	1	GAS OUTLET	9,52	270°	CORROSION ALLOWANCE	mm	1,6	1,6		
T1	16"	S.D. SG 150#	1	GAS INLET	9,52	90°	GEOMETRIC CAPACITY	litri	1430	1200		
BRACKETS POSITION						0°	INSPECTION INSTITUTE		BALLESTRA S.p.A.			
						90°	CODE ASME VIII DIV.1a + TEMA cl. "B"					
						180°	WEIGHTS					
						270°	EMPTY 4400~ Kg		OPERATING 5000~ Kg			
NAME PLATE POSITION						180°	WATER FILLED 7000~ Kg					
MATERIALS							STD. DETAILS		ENCLOSED DWG			
SHELL				A 515 - 60			WORKING DWG.		ST. 270081/0			
HEAD				A 515 - 60			NAME PL. HOLDER		ST. 0377/1			
CONE				A 515 - 60			NAME PLATE		SB-PRS-00120/1			
CHANNELS				A 515 - 60			PAINTING		SB-ATI-SP002/4			
FLANGES				A 105								
MAIN FLANGES				A 105								
TUBESHEETS				A 105								
NOZZLES				A 106 B								
EXCHANGER TUBES				A 210 A1								
STUD BOLTS				A 193 B7								
HEAVY HEX. NUTS				A 194 2H								
EXPANSION JOINT				AISI 304								
BRACKETS				A 515 - 60/A 283 C								
GASKETS		CORRUGATED METAL JACKETED CERAMIC FIBRE (AISI 304)										
INSULATION : 150 mm.(1 x 70 = 19 m2 - 1 x 80 = 21 m2)												
NOTE: ● COMPLETE WITH PLUG												
RIF. 1A12 . 35 . 010												