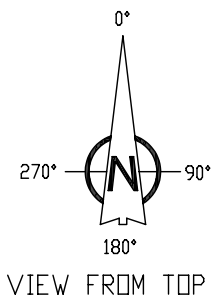


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<div><div></div><div>desmet ballestra</div></div>		ITEM 12E7		CUSTOMER				DWG. 1E35 . 35 . 012						
				3rd SO3 COOLER				FLOW SHEET 1E35 . 10 . 003						
				PLANT SULPHUREX		JOB 1E35		SHEET 1 OF 1						
N°REQUIRED 1														
Rev.	Date	Drawn												
0	05.11.09	A.S.	ISSUED FOR BID											
1	17.11.09	A.S.	ISSUED FOR BID – RVSIED WHERE INDICATED											
2	23.01.10	G.R.	ORIENTATION DEFINED											
THE MASTER VERSION OF THIS DOCUMENT IS STORED AS A DIGITAL FILE IN A DATABASE – APPROVAL PROCESS IS DIGITALLY MANAGED, AND NO SIGNATURE IS VISIBLE ON THE DOCUMENT														
NOZZLES									DESIGN DATA			SHELL	TUBE	JACKET
POS.	SIZE	RATING	N°	SERVICE	THK.	NOZZLES ORIENTATION	OPERATING PRESSURE Bar (g)		0,05	0,49				
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	1,5				
S3	1/8"F	ANSI B2.1 NPT	1	DRAIN	-	180°	PNEUMATIC TEST PRESSURE Bar (g)		-	-				
S4	1/8"F	ANSI B2.1 NPT	1	VENT	-	180°	OPERATING TEMPERATURE °C		40	95				
							DESIGN TEMPERATURE °C		200	150				
							FLUID/SPECIFIC WEIGHT Kg/dm3		AIR	AIR+SO3				
							HEAT EXCHANGE SURFACE m2		-	118~				
							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	12"	S.D. SG 150#	1	GAS OUTLET	9,52	270°	CORROSION ALLOWANCE mm		1,6	1,6				
T1	12"	S.D. SG 150#	1	GAS INLET	9,52	90°	GEOMETRIC CAPACITY litri		1135	950				
BRACKETS POSITION						0°	INSPECTION INSTITUTE			DESMET BALLESTRA S.p.A.				
						90°	CODE ASME VIII DIV.1a + TEMA cl. "B"							
						180°	WEIGHTS							
						270°	EMPTY 3900~ Kg		OPERATING 4000~ Kg					
NAME PLATE POSITION						180°	WATER FILLED 5985~ Kg							
MATERIALS							STD. DETAILS				ENCLOSED DWG			
SHELL				A 515 - 60			WORKING DWG.				ST. 270083/0			
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										
BRACKETS				A 515 - 60/A 283 C										
GASKETS		CORRUGATED METAL JACKETED CERAMIC FIBRE (AISI 304)												
INSULATION : 50 mm.(1 x 50 = 17,5 m2)														
NOTE: COMPLETE WITH PLUG														
RIF. 1A12 . 35 . 012														