



desmet ballestra

ITEM

77AT1

N°REQUIRED

1

CUSTOMER

DWG.

1E35 . 35 . 084

SPRAY DRYING TOWER I.D.7000

FLOW SHEET

1E35 . 10 . 011

PLANT

SLS drying unit

JOB

1E35

SHEET

1

OF

2

Rev.	Date	Drawn	Description					
0	15/02/10	G.R.	ISSUED FOR CONSTRUCTION, WITH ORIENTATION					
1	07/03/10	G.R.	COLLECTOR RING DIMENSION MODIFIED - POSITION 'S15' AND CONNECTION FROM TOWER TO COLLECTOR ADDED					
2	12/03/10	G.R.	ORIENTATION AND POSITION 'S9 - S10" MODIFIED - QUANTITY INSPECTION DOOR DEFINED					
3	07/04/10	G.R.	NOZZLES " S15 " ADDED					

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NOZZLES						DESIGN DATA		SHELL	
POS.	SIZE	RATING	N°	SERVICE	Thk.	NOZZLES ORIENT.	OPERATING PRESSURE Bar (g)	-0,005	
S1	900	SB-ATI-PF001	1	HOT AIR INLET	4	FOR ORIENTATION SEE SHEET 2	DESIGN PRESSURE Bar (g)	-0,015/0,4	
S2	1100	SB-ATI-PF001	1	HOT AIR OUTLET	6		HYDROSTATIC TEST PRESSURE Bar (g)	-	
S3	600	SB-ATI-PF001	1	PRODUCT OUTLET	4		PNEUMATIC TEST PRESSURE Bar (g)	-	
S4	Ø133	ST.400229	6	SPRAY NOZZLE CONN.	-		OPERATING TEMPERATURE °C	160	
S5	600x600	ST.40653	4	INSPECTION DOOR	4		DESIGN TEMPERATURE °C	200	
S6	600x600	ST.40653	2	INSPECTION DOOR	4		FLUID/SPECIFIC WEIGHT 0.3 Kg/dm3	HOT AIR/SLURRY POWDER	
S7	600x600	ST.40653	4	INSPECTION DOOR	4		HEAT EXCHANGE SURFACE m2	-	
S8	250	ST.40988	4	SIGHT GLASS	4		HEAT TREATMENT	-	
S9	1"F	ASME B1.20.1 NPT 3000#	1	TI CONNECTION	3.38		X-RAY TEST	-	
S10	1"F	ASME B1.20.1 NPT 3000#	1	TE CONNECTION	3.38		PENETRATING LIQUIDS TEST	-	
S11	1/2"F	ASME B1.20.1 NPT 3000#	1	PI CONNECTION	2.77		JOINT EFFICIENCY	0,7	
S12	3"	SO. RF. 150#	1	FIRE FIGHTING SYSTEM	3.03		CORROSION ALLOWANCE mm	-	
S13	600x600	ST.40653	1	INSPECTION DOOR	4		GEOMETRIC CAPACITY m3	950~	
S14	500	1E35-30-084sh.3	30	EXPL. PROOF. DOOR	4		INSPECTION INSTITUTE CUSTOMER		
S15	Ø200	BLINDED	2	FUTURE SPRAY NOZZLE CONNECTION	-		CODE STD. BALLESTRA		
						WEIGHTS			
						EMPTY ~62500 Kg		* OPERATING ~81000 Kg	
						WITH INSULATION ~74000 Kg			
						STD. DETAILS			
						WORKING DWG.		1E35-30-084/3	
						PAINTING		SB-ATI-SP002/4	
						NAME PL. HOLDER		SB-PRS-00121/0	
						NAME PLATE		SB-PRS-00119/0	
						INSPECTION DOOR "S6-S7-S13"		ST. 40653/3	
						SPRAY NOZZLE CONN. "S4"		ST. 400229/1	
						SIGHT GLASS "S8"		ST. 40988/2	
						INSPECTION DOOR "S5"		ST. 40653/3	
						EXPLOS.PROOF DOOR "S14"		1E35-30-084sh.3	
						SUPPORT SADDLE		SB-PRS-00327/0	
						GENERAL NOTES		SB-PRS-SP001/0	
						INSULATION : mm. 80 ( m2 880 )		SEE SHEET 2	

NOTE: ✱ ESCLUDED ALL OTHER ACCESSORIES NOT MENTIONATED.

● TOWER: Thk.80	HAIR DUCT: Thk.80	● ELEVATIONS TO BE DEFINED BY THE MANUFACTURER
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BUTTERFLY VALVE DN.400 - ST.46229

☐ "S12" N°1 SPRAY NOZZLE TYPE SPRAYING SYSTEM 3" NPT-H-SS-95W

N° 3+3 PNEUMATIC VIBRATOR TYPE VIMEC 77SR2- 77SR3 " MEC - VAP 75 "

DESMET BALLESTRA' SUPPLY

RIF. D.S. 2C60-35-013