

4. Drying-Precipitator

Item	Qty	Description	Make	Equip #
152	1	Fiber Dryer System	Buttner	2420
		total design capacity of 28 tons/h bd with		
		45 kg/m3 bd material density @ 8-25% moisture content.		
		220 degree C infeed temperature,		
		20 MW natural gas burner		
		270,000 m3h STP main fan exhaust air volume @ 220 degree C infeed temp.		
		<i>Power components included:</i>		
		770 kW 4180 volt main fan power,		
		711 kW overall installed power		
		11 kW rotary airlock power,		
		<i>Additional components and functions consist of :</i>		
		connecting high efficiency cyclone separator with rotary valve		
		double mixing chamber with flue gas ducts		
		DN 150 fiber blow pipe with lineswith compensators & sensor rupture discs		
		blow back pipe system with remote controlled flushing valves and associated pipework to Fiber Drying Area infeed Cyclone		
		safety system with extinguishing fire nozzels, temp monitoring control system, plus pressure meters & diaphragm valves		
153		Rotary Airlock Valve	Buttner	
		Type BT-ZM1400 ATEX		
154	1	Auxillary Exhaust System	Ventapp	3905
		30,000 m3/h fan air capacity powered by		
		86 kW E630/80-65 radial van		
155	1	Wet Electronic Precipitator	LUN	7400
		designed for clean air sources by wet electrostatic precipitation. Data		
		526,000 Am/h - 57.8 degree C crude gas data		
		522,000 Am/h - 48.8 degree C clean gas data,		
		9.15 mg/Nm3 wet dust		
		95% blue haze efficiency,		
		10-30% VOC.		
		System complete with		
		200 kW installed power with 540 kW HT voltage system		
		stainless sedimentation & buffer tanks		
		exhaust gas stack with internal scrubber components		
		electrostatic precipitation filter		
		crude gas and quench ducting		
		water screening and sludge removal system		
		defoaming and hydrogen peroxide dosing station		
		140 kVA high voltage electrical system		
		WESP constructed support structure		
		includes (4) Kraft TR-Rectifier panels in control room SR-22		
156	3	Glue Storage Tanks	Steel Structures Inc	3215
		designed for isocyanate storage,		
		operating capacity of 18,500 gal with max capacity of 20,100 gal		
		12' outside dia x 24' height		
		shell material 1/4 & 3/16 SA36		
		bottom: 1/4 SA36; top is 3/16 SA36		
		mfg 2019		

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157	3	Isocyanate Temp Heating & Pump Sets eaching consisting of		
		Chromalox MicroTherm CMXO Series temperature control systems		
		- isocyanate loading section with filter/gear pump/ manual shut-off valves valve system for preselection of storage tanks		
		- isocyanate temeprature control units (3pcs) with each plate heat exchanger, manual shut-off valves, temperature and filling control levels		
		- emulsion loading section, with feeding system, manual shut-off valves, pump, and temperature and filling control levels		
		valve system for preselection of storage tank		
		Parker Zander high efficiency compressed air dryer		
158	1	Blowline Pump & Injection Systems	Siempelkamp	3390
		components for raw glue mix consisting of:		
		(2) DN150 water blow lines with connecting studs for injection nozzles		
		(2) Resin & pMDI pump sets		
		(2) Wax Emulsion blow line pump skids		
		(2) Stainless rectangular supply tanks		
		glue/injection system with air/glue watercooled injection nozzles	Siempelkamp	
		ball valves for glue (in stainless steel) and		
		air flushing system with manual valves and pneumatic ball valves		
159	2	Paraffin emulsion storage tanks	Steel Structures Inc	
		operating capacity of 8,500 gal with max capacity of 9200 gal		
		9' outside dia x 19.6' height		
		shell material 3/16 SA240-304SS		
		bottom: 1/4 SA240-304; top is 1/4 SA240-304		
		mfg 2019		
160	3	Wax Emulsion & Resin Pump Skids		
		Consisting of		
		(2) Wilden diaphragm pumps & (1) vertical pMDI pump		
		attached filter bodies, flow controllers and manual valve sets		
161	1	Automated Control System consisting of	Siempelkamp	
		(3) moniitoring control planes, (2) touch screen viewer, and		
162		Glue Prep & Dosing MCC		3200MC01
		located in SR-2A		
163		PMDI Storage & Preparation MCC		3200MC02
		located in SR-2A		
164		AB 7-Section MCC Panel		
		located in SR-2A		
165		Siemens Switchboard Section		
		located in SR-2A		
166		Daikin Room Air Conditioning System		
		Located on roof of SR-2A		