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Sheet	Revisions						Sheet	Revisions						
	00	01	02	03	04	05		00	01	02	03	04	05	
1	X	X					31							
2	X	X					32							
3	X	X					33							
4	X	X					34							
5	X	X					35							
6	X	X					36							
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1. PARTICLE SIZE ANALYZER DATASHEET

No.	Description	Units	Value
General data			
1	Quantity	#	1 Operational & 0 Standby
2	Tag No. / Location (indoors/ outdoors)	-	PZ 3/4-33-0920-01/Indoor
3	Application Description	-	Ultrasound Analyzer
4	Duty	Continuous/ Intermittent/ Standby	Continuous
Process / Operating Conditions			
Material Processed			
5	Material Handled	-	First cleaner feed (slurry)
6	Streams Analyzed	#	2
7	Flow-rate per stream	m ³ /h	3-5 (VTC)
8	Feed stream top size	micron	90
9	Min Slurry Feed Density	t/m ³	1.07
10	Max Slurry Feed Density	t/m ³	1.28
11	Min Solids Density	t/m ³	2.8
12	Max Solids Density	t/m ³	4
13	Stream Temperature	°C	5 to 60
14	Stream pH	-	10 – 12.5
15	In line or Tank Mounted	-	In line
Mechanical Information			
Technical specs			
16	Supplier	-	VTs
17	Type	-	VTs
18	Model / Size	-	VTs

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No.	Description	Units	Value
19	Cleaning System	-	VTs
20	Inlet Pipe Size	mm	VTs
21	Outlet Pipe Size	mm	VTs
Unit dimensions			
22	Overall Height	mm	VTs
23	Overall Width	mm	VTs
24	Overall Length	mm	VTs
Masses			
25	Max Mass for Erection	kg	VTs
26	Total Mass (empty)	kg	VTs
Electrical information			
Electrical			
27	Supply voltage	V	400V±10% (VTC)
28	Frequency	Hz	50/60Hz±5% (VTC)
29	Motor type	-	VTs
30	Installed motor power	kW	270 (VTC)
31	Number of poles	#	VTs
32	Motor speed	rpm	VTs
33	Motor operation	-	VTs
34	Rotation (CCW/CW)	-	VTs
35	Control Voltage	V	24V DC (VTC)
Instrument information			
Instrument			
36	IP	-	VTs
37	Plant DCS connections	-	ProfiNet or Profibus
38	Accuracy (Dv80)	-	VTs

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No.	Description	Units	Value
39	No. Sample lines	#	VTs
40	Measurement interval	min/line	3 (VTC)
41	Remote service connection	-	VTs
42	instrument air class (ANSI /ISA-7)	-	VTs
43	Air Consumption	Am ³ /h	VTs
44	Measurement Size Range	micron	VTs
45	Sample Temperature	°C	VTs
46	Maximum sample solids	%	VTs
47	Primary Slurry flow rate	m ³ /h	VTs
48	Required UPS	-	VTs
49	Water consumption	m ³ /h	VTs
50	Water temperature and quality	°C	5 – 30 (VTC)
51	Water Required Pressure	Bar	2-6 (VTC)
52	Compressed Air Required Pressure	Bar	4-6 (VTC)

Notes:

1. VTs: Vendor to Specify, VTC: Vendor to Confirm, AVL: Approved vendor list.
2. VTs, VTC, and blank items should be completed by the vendor.
3. For LV & MV motor data sheet please refer to: 12002-D-EL-DSH-303-GNL-038