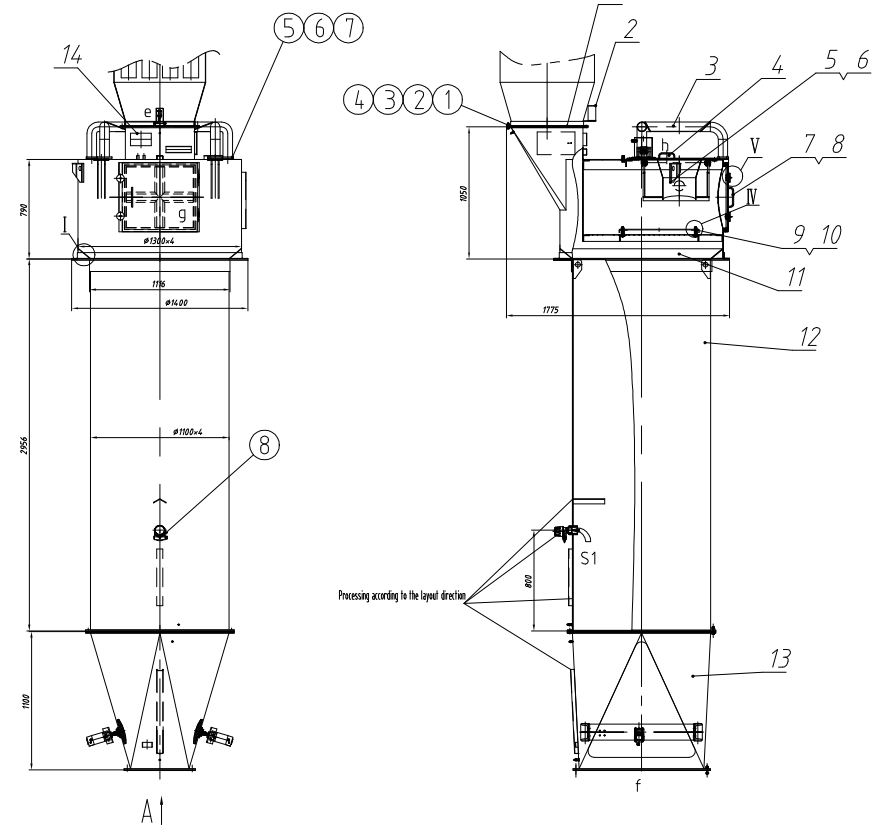
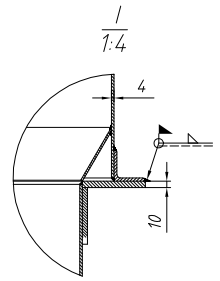
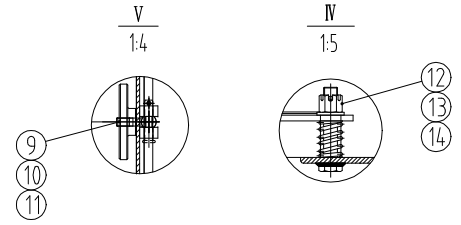
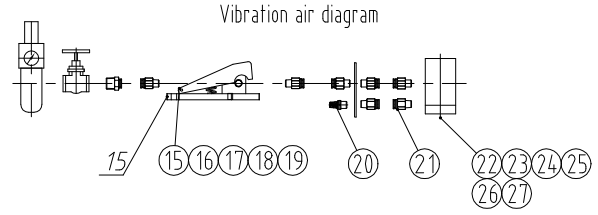


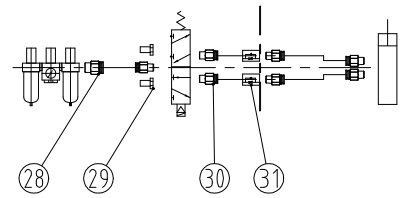


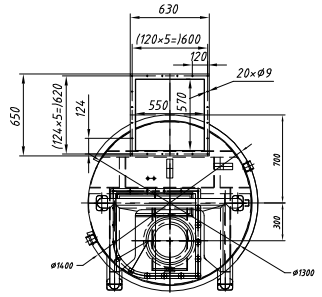


Vibration air diagram

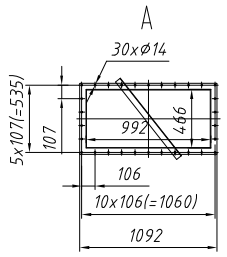


Unloading valve air diagram

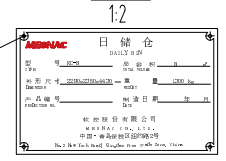




Daily Bin layout



Part 15
1:2



TECHNICAL REQUIREMENTS

1、The equipment must be made according to NB/T47003.1-2009
《THE STANDARD OFCOMMON PRESSURE WELDING VESSEL》.
2、Welding use manual arc welding,electrode type J422,
after soldering ,welding slag is removal.
3、the part 11 and the part 12 should be welded on the site after machining.
4、The locations of level sensor seat and nameplate should
be defined according to the layout of daily bin.
5、After manufacturing,the welding lines should be tested with kerosene to ensure
there is no leakage.

Technical specification

Working pressure MPa	Normal	Working temperature ℃	Normal
Design pressure MPa	Normal	Design temperature ℃	Normal
Working medium	ZnO、air	Low level volume m³	1.5 m³
Tolerance for corrosion mm	1	Total volume m³	4 m³
Modulus of welded seam φ	0.7		
Sort of vessel	Normal		

Port Chart

Symbol	Nominal size	Flange standard	Sealing Face	Name	Port size	Extended length
e	650x630		Flange	Dust collector port	270x550	250
f	1092x566		Flange	Screw feeder port	992x466	50
g	550x500		Flange	Overhaul port	550x500	30
h	φ300		Flange	Fibc bag unloading port	φ300	
S1	NPT1-1/2		Thread	Low level switch port		150

No.	Code	Part Name	Qty	Material	Single Weight	Total Weight	Remark
⑱	030250100011 GB/T93-1987	Washer 6	3	65Mn zinc plating passivation	0	0	
⑰	030250500018 GB/T95-2002	Washer 6	3	100HV zinc plating passivation			
⑯	030240500413 GB/T70.1-2000	Screw M6×16	3	8.8 Galvanizing passivation	0.01	0.03	
⑮	030422300003	Foot valve VM220-02-40A	1				Supplied by Mesnac
⑭	030270100081 GB/T91-2000	Pin 3.2×20	4	1Cr18Ni9			
⑬	030250500099 GB/T97.1-2002	Washer 12	4	200HV zinc plating			
⑫	030232600011 GB/T6178-1986	Nut M12	4	8 Zinc plating passivation			
⑪	030270100022 GB/T91-2000	Pin 2×10	2	Q235A Zinc Plating Passivation			
⑩	030271300804 GB/T882-1986	Pin B6×24	2	45 oxidation			
⑨	030210200018 GB/T798-1988	Bolt M8×50	2	4.6 Galvanizing passivation			
⑧	030821800187	Anti-rutation Level Gauge ELS-R2(NPT1-1/2)	1				Supplied by Mesnac
⑦	030250100013 GB/T93-1987	Washer 8	8	65Mn zinc plating passivation			
⑥	030250500021 GB/T95-2002	Washer 8	8	100HV zinc plating passivation			
⑤	030210800078 GB/T5783-2000	Bolt M8×35	8	8.8 Galvanizing passivation			
④	030250100013 GB/T93-1987	Washer 8	20	65Mn zinc plating passivation			
③	030250500021 GB/T95-2002	Washer 8	40	100HV zinc plating passivation			
②	030231800028 GB/T6170-2000	Nut M8	20	8 Zinc plating passivation			
①	030210800078 GB/T5783-2000	Bolt M8×35	20	8.8 Galvanizing passivation			
15	0300701A479X XJylba.13C.04	Foot valve mounting plate	1	Q235B	0.81	0.81	
14	03DTG9900172	Daily storage nameplate (English) 160×100	1	0Cr18Ni9			Supplied by Mesnac
13	020113060000942 XJylba.13C.01	Lower cone hopper of zinc oxide daily storage bin	1	Assembly	160.82	160.82	Supplied by Mesnac
12	020113010000392 XJylba.13C.03	Lower cylinder of zinc oxide tank	1	weld assembly	379.77	379.77	
11	020113010000391 XJylba.13C.02	Upper cylinder of zinc oxide tank	1	weld assembly	249.65	249.65	
10	03DTG0700004 TXJ1151.2-1	spring	4	1Cr18Ni9	0.02	0.08	
9	020113010000387 XJylba.13B.04	Movable screen	1	weld assembly	10.48	10.48	
8	030030600106 TXJ1383BE-01	handle	2	Q235B	0.35	0.7	
7	020113090000182 XJgslh.13A.08	Feeding gate	1	weld assembly	12.56	12.56	
6	030010201323 XJgslh.13A.09	Sealing device gasket	1	rubber	0	0	
5	020113010000389 XJylba.13B.06	Blocking device	1	Assembly	35.82	35.82	
4	020113010000293 XJgslh.13A.07	Space package cover	1	weld assembly	3.49	3.49	
3	020113010000396 XJylba.13C.05	Unpacking rack	1	weld assembly	35.78	35.78	
2	020102040000136 TXJ0201AB.11	proofing unit	1	Assembly	0.48	0.48	
1	030020309463 XJyjya.13E.02	Dust collector flange gasket	1	rubber	0	0	

No.	Code	Part Name	Qty	Material	Single Weight	Total Weight	Remark
33	030920401896	90°single-ended pipe nut 4×1 male thread straight PK 1008-4 DTF-2 NBR	1				Supplied by Mesnac
32	030280400000 GB/T12615-2004	Core-pulling rivet 4×10	4	10 Galvanizing passivation			
31	030421100135	One-way throttle PSL1002B	2				Supplied by Mesnac
30	030530300256	Threaded straight-through joint PC1002	6				Supplied by Mesnac
29	030530900003 (已停产) BSL-01	General copper silencer 1/8 "	2				Supplied by Mesnac
28	030530300258	Threaded straight-through joint PC1004	2				Supplied by Mesnac
27	030460500026	Pneumatic turbine vibrator G161	1				Supplied by Mesnac
26	030270100033 GB/T91-2000	Pin 2×20	2	1Cr18Ni9			
25	030232600003 GB/T6178-1986	Nut M8	2	8 oxidation			
24	030250100013 GB/T93-1987	Washer 8	2	65Mn zinc plating passivation			
23	030250500097 GB/T97.1-2002	Washer 8	2	200HV zinc plating			
22	030211500008 GB/T31.1-1988	Bolt M8×40	2	8.8 oxidation			
21	030530300256	Threaded straight-through joint PC1002	7				Supplied by Mesnac
20	030530900035	Silencer 1/4 "	1				
19	030380500009	Expansion bolt M6×75	2				

Mark	Number	Modified file No.	Signature	Date
Designer		20250513	Standarder	
Checker			Approver	
Verifier		20250515	Security Classification	绝密★6年 20450327 止
Processer			View	

Assembly

MESNAC CO., LTD

zinc oxide Day bin

Mark	Weight	Scale
A	890.47	1:30

Total No. No.

010113000J475
XJylba.13C