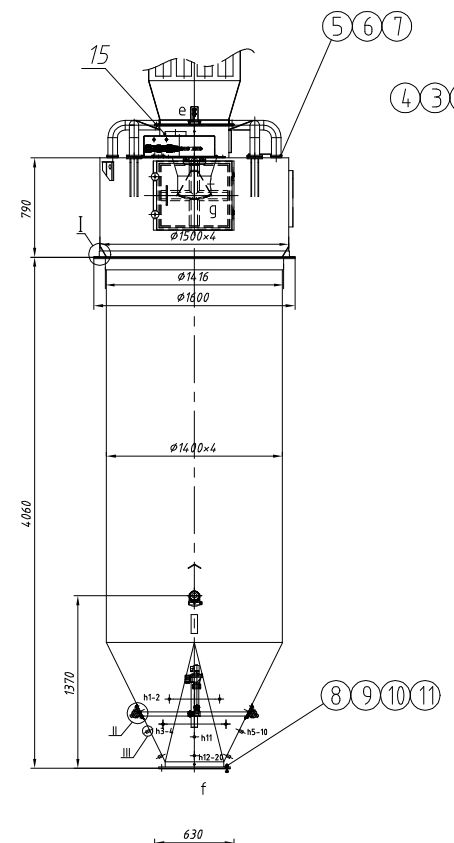
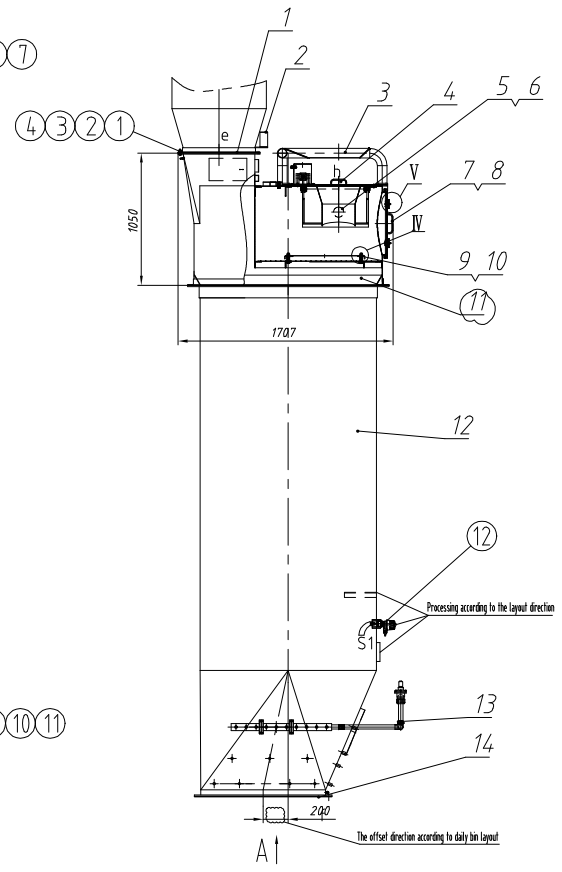
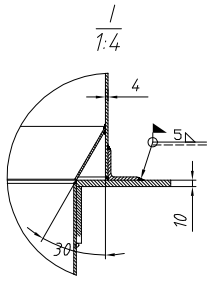
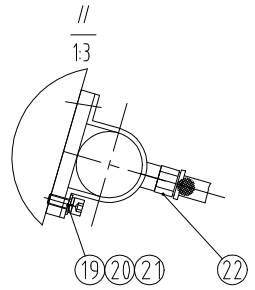
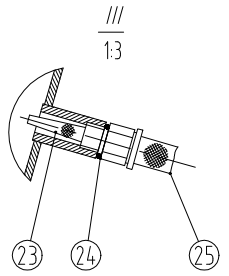
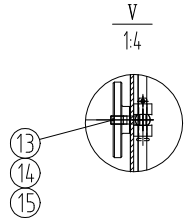


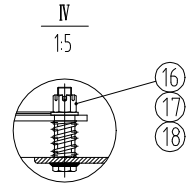




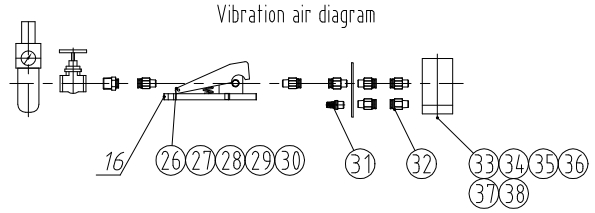




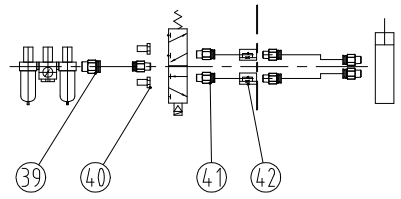


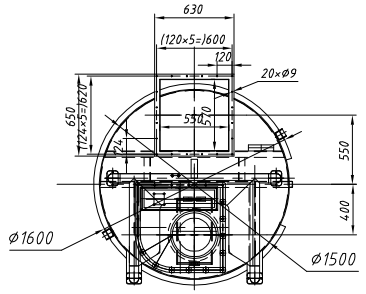


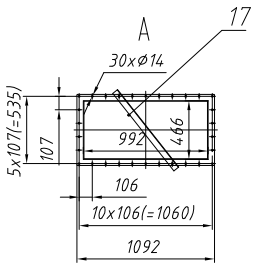
Vibration air diagram



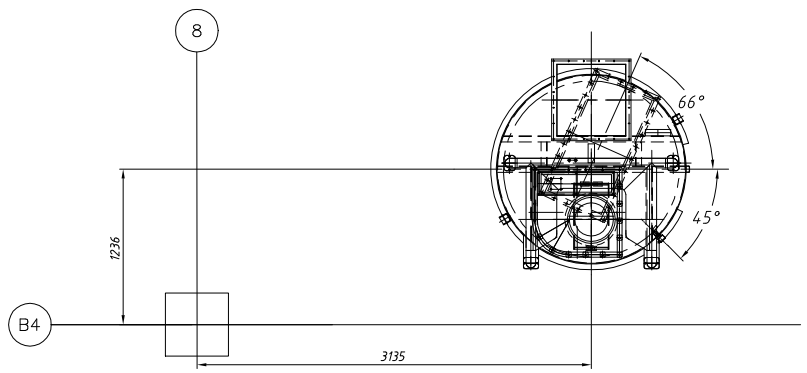
Unloading valve air diagram



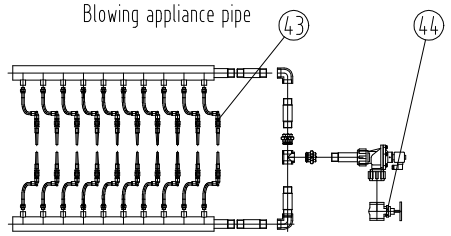




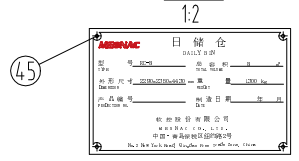
Daily Bin layout



Blowing appliance pipe



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 equipment should be marked on the shell and cone.
5、The locations of level sensor seat and nameplate should
be defined according to the layout of daily bin.
6、After manufacturing,the welding lines should be tested with kerosene to ensure
there is no leakage.
7、Part 17 is used to prevent the Lower cone deforming .

Technical specification

Working pressure MPa	Normal	Working temperature ℃	Normal
Design pressure MPa	Normal	Design temperature ℃	Normal
Working medium	Carbon black、silica、air	Low level volume m³	1.5 m³
Tolerance for corrosion mm	1	Total volume m³	6 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	650×630		Flange	Dust collector port	570x550	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
h1-20	G1/4		Thread	Air flowing port		30

No.	Code	Part Name	Qty	Material	Single Weight	Total Weight	Remark
46	030920401896	MC single-switch pressure relief valve (straight) PK 3MA-ZZZTF.7K8KM	1				Supplied by mesnac
45	030280400000 GB/T12615-2004	Core-pulling rivet 4×10	4	10 Galvanizing passivation			
44	030420100002	Gate valve Z15W-16T DN25	1				Supplied by mesnac
43	030530300059	L-shaped internal thread two-way quick plug joint PC1M02	20				Supplied by mesnac
42	030421100135	One-way throttle PSL1002B	2				Supplied by mesnac
41	030530300256	Threaded straight-through joint PC1M02	6				Supplied by mesnac
40	030530900003 BSL-01	General copper silencer 1/8 "	2				Supplied by mesnac
39	030530300258	Threaded straight-through joint PC1M04	2				Supplied by mesnac
38	030460500026	Pneumatic turbine vibrator G16T	1				Supplied by mesnac
37	030270100033 GB/T91-2000	Pin 2×20	2	1Cr18Ni9			
36	030232600003 GB/T6178-1986	Nut M8	2	8 oxidation			
35	030250100013 GB/T93-1987	Washer 8	2	65Mn zinc plating passivation			
34	030250500097 GB/T97.1-2002	Washer 8	2	200HV zinc plating			
33	030211500008 GB/T31.1-1988	Bolt M8×40	2	8.8 oxidation			
32	030530300256	Threaded straight-through joint PC1M02	7				Supplied by mesnac
31	030530900035	Silencer 1/4 "	1				Supplied by mesnac
30	030380500009	Expansion bolt M6×75	2				
29	030250100011 GB/T93-1987	Washer 6	3	65Mn zinc plating passivation	0	0	
28	030250500018 GB/T95-2002	Washer 6	3	100HV zinc plating passivation			
27	030240500413 GB/T70.1-2000	Screw M6×16	3	8.8 Galvanizing passivation	0.01	0.03	
26	030422300003	Foot valve VM220-02-40A	1				Supplied by mesnac
25	030600200008	PU tube US98A1000651000MBU	20				Supplied by mesnac
24	030400300033	Tetrafluoroethylene O-ring 1/4 "	20				Supplied by mesnac
23	030760200008	Filter nozzle G1/4	20	powder metallurgy			Supplied by mesnac
22	030530300256	Threaded straight-through joint PC1M02	20				Supplied by mesnac
21	030250100013 GB/T93-1987	Washer 8	8	65Mn zinc plating passivation			
20	030250500021 GB/T95-2002	Washer 8	8	100HV zinc plating passivation			
19	030240500490 GB/T70.1-2000	Screw M8×20	8	8.8 Galvanizing passivation			
18	030270100081 GB/T91-2000	Pin 3.2×20	4	1Cr18Ni9			
17	030030771923 TXJ1300DD	Supporting angle steel	1	Q235B	3.51	3.51	
16	0300701A479R XJylba.13B.05	Foot valve mounting plate	1	Q235B	0.81	0.81	
15	03DTG9900172	Daily storage nameplate (English) 80×100	1	0Cr18Ni9			Supplied by mesnac
14	030050116567 XJyatb.13A.05	Lower vertebral flange gasket	1	rubber	0	0	
13	020113010000380 XJylba.13A.03	Blowing device	1	Assembly	14.2	14.2	
12	020113010000385 XJylba.13B.02	Lower cone of powder daily storage bin	1	weld assembly	612.76	612.76	
11	020113010000383 XJylba.13B.01	Upper cylinder of powder daily storage bin	1	weld assembly	303.72	303.72	
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	Blowing 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	020113010000386 XJylba.13B.03	Unpacking rack for daily storage of powder	1	weld assembly	42.57	42.57	
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 Number	Part Name	Qty	Material	Single Weight	Total Weight	Remark

Mark	Number	Modified file No.	Signature	Date
Designer		20220628	Standarder	
Checker			Approver	
Verifier		20220628	Security Classification	
Processer			View	

Assembly	MESNAC CO., LTD
	Silica Day Bin

Mark	Weight	Scale	
A	1041.21	1:30	010113000J470 XJylba.13B
Total No.	No.		