



Design parameter			Design, manufacture and inspect codes					
Vessel type			1GB 50-2011(Pressure vessels) 2GB 12432-2008 (Graphite pressure vessels) 3HG/12379-2005 (Specifications of graphite chemical process equipment) 4HG/1310-1998 (Floating tubular graphite heat exchanger) 5HG/12634-2011(Technical Requirements for Fabrication of Steel Chemical Vessels) 6HG/12678-2009 (Specification on Design of steel shell with liner)					
Item	Process Side	Service Side						
Working pressure bar	-0.5	-0.216						
Design pressure bar	-1/0.5	-1/0.5						
Working temperature material °C	60.75/63.94	103/93	Joint type					
Design temperature °C	-5/120	-5/110						
Wall temperature °C								
Medium	Salt solution	Live steam						
Medium property								
Main pressure bearing parts material	Q345R/granite with furu resin impregnation	Q345R/rubber	Welding rod					
Corrosion allowance mm	0	0						
Welding joint coefficient		0.85						
Pass	1	1						
Heat insulation material			NDE	Welding joint category	Test rate	Test std.	Qualified level	
Heat insulation thickness mm				A				
Heat transfer area m ²		46.2		B				
Pipe specification	121-Ø32/Ø22×4.500			C	D			
Pipe and tubeshell connecting	Cementation							
Max lifting mass kg	1695		Test	Hydrostatic test pressure bar	6.5	Process Side	Service Side	
Equipment max mass kg				Gas test pressure bar			6.5	
			Heat treatment					

Equipment and Accessory	Heat Treatment
<p>1. Nozzle, support and nameplate azimuth as per this drawing.</p> <p>2. Impermeable graphite is brittle material. Impact or shock with strong force to the unit is prohibited during hoisting, handling, disassembling and transportation to prevent from bundle damage.</p>	

管口表		SCHEDULE		
序号 Mark No.	公称尺寸 DN	连接法兰标准 SPEC.No.	法兰/密封面型式 Type of flange/face	用途或名称 Service
N1	250	0350/12-M20	RF	Process side inlet
N2	250	0350/12-M20	RF	Process side outlet
N3	200	DIN EN 1092-1 PN10*	RF	Vapor inlet
N4	40	DIN EN 1092-1 PN10	RF	Vent
N5	40	DIN EN 1092-1 PN10	RF	Condensate outlet
N6	50	DIN EN 1092-1 PN10	RF	Reserve (blind)
N7	40	DIN EN 1092-1 PN10	RF	Vent (blind)
N8	50	DIN EN 1092-1 PN10	RF	Reserve (blind)
N9	100	DIN EN 1092-1 PN10	RF	Sight glass
N10	40	DIN EN 1092-1 PN10	RF	Drain (blind)
N11	40	DIN EN 1092-1 PN10	RF	Vent from B1007

26		gasket Ø606/4556×5	1	EPDM		0.2	
25	SS-GHA556-46.25-13	upper cover plate	1	Ø34SR		68.0	
24		gasket Ø612/Ø562×3	1	acid-resistant rubber plate		0.2	
23	SS-GHA556-46.25-12	upper head	1	Br2 graphite with turon resin impregnation		50.1	
22		full thread bolt M16×50	20	8.8 grade	0.6	12.0	
21	SS-GHA556-46.25-11	adjunct gland	1	Ø34SR		14.0	
20	SS-GHA556-46.25-10	fixed tube sheet	1	Br2 graphite with turon resin impregnation		82.3	
19		gasket Ø881/Ø48×5	2	EPDM		0.1	
18	SS-GHA556-46.25-09	tube	121	TB	3.8	459.6	
17	SS-GHA556-46.25-08	shell	1	welder lined rubber		619.0	
16	SS-GHA556-46.25-07	baffle	10	Br1 graphite with turon resin impregnation	3.5	35.0	
15		gasket Ø102/Ø62×5	2	EPDM		0.1	
14		full thread bolt M16×100	16	8.8 grade	0.133	2.1	
13	SS-GHA556-46.25-06	adjunct tube sheet	2	Br2 graphite with turon resin impregnation	6.8	13.6	
12		O ring Ø12	1	EPDM		0.2	
11		full thread bolt M16×170	16	8.8 grade	0.227	3.6	
10	SS-GHA556-46.25-05	float tube sheet	1	Br2 graphite with turon resin impregnation		95.9	
9	SS-GHA556-46.25-04	loose flange	1	Ø34SR		20.0	
8	SS-GHA556-46.25-03	bisect ring	1	HT200		11.7	
7		gasket 4×25	2	PTFE		0.4	
6	SS-GHA556-46.25-02	lower head	1	Br2 graphite with turon resin impregnation		52.0	
5		gasket Ø554/Ø504×3	4	acid-resistant rubber plate		0.2	
4	SS-GHA556-46.25-01	lower cover plate	1	Ø34SR		79.0	
3		washer 16	172	100HV		1.6	
2		nut M16	172	8 grade		5.0	
1		full thread bolt M16×330	16	8.8 grade	0.44	7.0	

[illegible]