

Valve List

1. Process Equipment

SI No.	Item	Model	Specification	Unit	Qty	Installed position
Conveying system						
1	手动闸板阀 Manual gate valve ( Isolator valve )	DMZ73H-6C DN300	PN0.6MPa; Media:coal powder, temp < 100℃	nos.	1	BF3 conveying station
2	防爆气动硬密封蝶阀 Explosion-proof pneumatic hard sealing butterfly valve	D643Y-6C DN300	PN0.6MP; Media: coal powder, temp < 100℃ , Control: switch amount: 240VAC	nos.	1	BF3 conveying station
3	防爆气动密封蝶阀 Explosion-proof pneumatic sealing butterfly valve	D643H-6C DN200	PN0.6MPa; media: nitrogen, temp < 100℃ , Control: switch amount:240VAC	nos.	1	BF3 conveying station
4	气体减压阀 Gas pressure reducing valve	ZZYVP-10C(B) DN80	PN1.0MPa; media: nitrogen, temp < 100℃ , Pressure reduce range: inlet(max)0.85MPa-outlet 5KPa	nos.	1	BF3 conveying station
5	手动球阀 Manual ball valve	Q41F-10C DN80	PN1.0MPa; media: nitrogen, temp < 100℃ ,	nos.	1	BF3 conveying station
6	手动蝶阀 Manual butterfly valve	D343Y-6C DN300	PN0.6MPa; media: mixture, temp < 100℃ ,	nos.	1	BF3 conveying station
7	手动蝶阀 Manual butterfly valve	D343H-6C DN150	PN0.6MPa; media: nitrogen, temp < 100℃ ,	nos.	2	BF3 conveying station
Storage system						
1	手动球阀 Manual ball valve	Q11F-10C DN20	PN1.0MPa; media: nitrogen, temp < 100℃ ,	nos.	3	BF1/BF2 silo
2	自闭式泄爆阀 Venting valve	DN600	0.01MPa: (venting pressure: 1~10KPa)	nos.	4	BF1/BF2 silo
Injection system						
1	气体减压阀 Gas pressure reducing valve	Y42X-10C DN80	PN1.0MPa; media: compressed air and nitrogen, temp < 100℃ , Pressure reduce range: inlet (0.5-0.7MPa); outlet (-0.2MPa)	nos.	2	Injection system +8.500; +0.000 floor
2	手动闸板阀（刀闸阀） Manual gate valve (Isolator valve)	DMZ73H-10C DN300	PN1.0MPa; Media: coal powder, temp < 100℃	nos.	4	Injection system +8.500 floor
3	防爆偏置式钟阀 Explosion-proof offset bell valve	BPZ643X-16C DN300	PN1.0MPa; Media: coal powder, temp < 100℃ Control: switch amount, 24VDC	nos.	4	Injection system +4.800 floor

4	防爆气动硬密封蝶阀 Explosion-proof pneumatic hard sealing butterfly valve	D643Y-10C DN300	PN1.0MPa; Media: coal powder, temp < 100℃ Control: switch amount, 24VDC	nos.	4	Injection system +8.500 floor
5	防爆气动球阀 Explosion-proof pneumatic ball valve	Q641F-10C DN40	PN1.0MPa; Media: nitrogen,, temp < 100℃ Control: switch amount, 24VDC	nos.	4	Injection system +8.500 floor
6	防爆气动调节球阀 Explosion-proof pneumatic control ball valve	VQ647H-10C DN40	PN1.0MPa; Media: nitrogen,, temp < 100℃, control:4-20mA	nos.	4	Injection system +8.500 floor
7	防爆气动球阀 Explosion-proof pneumatic ball valve	Q641F-10C DN32	PN1.0MPa; Media: nitrogen,, temp < 100℃ Control: switch amount, 24VDC	nos.	6	Injection system +4.800 floor
8	防爆气动调节球阀 Explosion-proof pneumatic control ball valve	VQ647H-10C DN32	PN1.0MPa; Media: nitrogen,, temp < 100℃, control:4-20mA	nos.	4	Injection system +4.800 floor
9	防爆气动球阀 Explosion-proof pneumatic ball valve	Q641F-10C DN50	PN1.0MPa; Media: nitrogen/compressed air, temp < 100℃ Control: switch amount, 24VDC	nos.	10	Injection system +0.000 floor
10	防爆气动耐磨球阀 Explosion-proof pneumatic wearing resistance ball valve	VQ647Y-10C DN50	PN1.0MPa; Media: mixture, temp < 100℃ Control: switch amount, 24VDC	nos.	6	Injection system +0.000 floor
11	防爆气动调节球阀 Explosion-proof pneumatic control ball valve	VQ647H-10C DN50	PN1.0MPa; Media: nitrogen,, temp < 100℃, control:4-20mA	nos.	8	Injection system +0.000 floor
12	防爆气动调节球阀 Explosion-proof pneumatic control ball valve	VQ647Y-10C DN80	PN1.0MPa; Media: mixture,, temp < 100℃, control:4-20mA	nos.	4	Injection system +4.800 floor
13	防爆气动球阀 Explosion-proof pneumatic ball valve	VQ647Y-10C DN25	PN1.0MPa; Media: mixture, temp < 100℃ Control: switch amount, 24VDC	nos.	4	Injection system +4.800 floor
14	防爆气动三通球阀 Explosion-proof pneumatic tee ball valve	Q645F-10C DN80	PN1.0MPa; Media: compressed air, temp < 100℃ Control: switch amount, 24VDC	nos.	4	Injection system +0.000 floor
15	手动三通球阀 Manual tee valve	Q45F-10C DN50	PN1.0MPa; Media: compressed air, temp < 100℃	nos.	2	Injection system +4.800 floor
16	手动球阀 Manual ball valve	Q41F-10C DN32	PN1.0MPa; Media: nitrogen,, temp < 100℃	nos.	5	Injection system +8.500 floor
17	手动球阀 Manual ball valve	Q41F-10C DN80	PN1.0MPa; Media: nitrogen,, temp < 100℃	nos.	18	Injection system distribution tank +8.500,+4.800,+0.000 floor
18	手动球阀 Manual ball valve	Q41F-10C DN50	PN1.0MPa; Media: nitrogen,, temp < 100℃	nos.	15	+8.500,+4.800,+0.000 floor distribution tank
19	手动球阀 Manual ball valve	VQ47H-10C DN50	PN1.0MPa; Media: mixture, temp < 100℃	nos.	8	+8.500,+4.800,+0.000 floor distribution tank。

20	手动三通球阀 Manual tee valve	Q45H-10C DN20	PN1.0MPa; Media: mixture, temp < 100℃	nos.	20	Cone distributor
21	手动球阀 Manual ball valve	VQ47Y-10C DN100	PN1.0MPa; Media: mixture, temp < 100℃	nos.	4	Injection vessel: +4.800 floor
22	手动球阀 Manual ball valve	VQ47H-10C DN20	PN1.0MPa; Media: mixture, temp < 100℃	nos.	22	Blast furnace tuyere platform
23	手动球阀 Manual ball valve	Q11F-10C DN20	PN1.0MPa; Media: nitrogen/air, temp < 100℃	nos.	75	Fluidizer (inclining the valves of purging lines)
24	手动球阀 Manual ball valve	VQ47Y-10C DN125	PPN1.0MPa; Media: mixture, temp < 100℃	nos.	1	+12.700 floor
25	单瓣旋启式止回阀 Single-disc swing non return valve	H44H-10C DN40	PN1.0MPa; Media: nitrogen,, temp < 100℃	nos.	4	+0.000 floor
26	单瓣旋启式止回阀 Single-disc swing non return valve	H44H-10C DN32	PN1.0MPa; Media: nitrogen,, temp < 100℃	nos.	4	+0.000 floor
27	单瓣旋启式止回阀 Single-disc swing non return valve	H44H-10C DN50	PN1.0MPa; Media: nitrogen,, temp < 100℃	nos.	8	+0.000 floor
28	弹子阀 Ball valve	DZF01 DN25		nos.	20	Blast furnace
29	喷吹罐安全阀 Safety valve for injection vessel	A28-0.84 DN100	Adjusted pressure: 0.84MPa. Media: mixture, temp < 100℃	nos.	4	+4.800 floor
30	防爆气动球阀 Explosion-proof pneumatic ball valve	Q641F-10C DN80	PN1.0MPa; Media: nitrogen, temp < 100℃ Control: switch amount, 24VDC	nos.	2	Discharge +8.500;+0.000 floor
31	手动闸阀 Manual gate valve	Z41H-10C DN50	PN1.0MPa; Media: water, temp < 50℃	nos.	8	Water inlet of air compressor
32	手动闸阀 Manual gate valve	Z41H-10C DN25	PN1.0MPa; Media: water, temp < 50℃	nos.	8	Water inlet & outlet of air dryer

2. Heating & power equipment

SI No.	Item	Model	Specification	Unit	Qty	Installed position
1	手动法兰闸阀 Manual flange gate valve	Z41H-16C DN125	PN1.6MPa; Media: compressed air, temp < 100℃	台	4	Inlet of main pipe of air compressor & tanks
2	手动法兰球阀 Manual flange ball valve	Q41F-16C DN80	PN1.6MPa; Media: compressed air, temp < 100℃	台	13	Inlet & outlet of air dryer