

Item No.	Unit (Total Item)			Value Number (MS)			Value Description	Manufacturer (Country of Origin)	Design Condition	Fluid Medium	Valve Type	Nominal Valve Size	Valve Rating	Body Material	End Connection	Valve Operation	Reference P&ID	Remarks
	Unit	Quantity	Code	Unit	Quantity	Code												
3151	0	0	0	0	0	0	CO2 WATERPUMP OUTLET PIROOT VALVE	CEFCOCHINA	1.0	30	CO2	GLOBE VALVE	PN10	SS316	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3152	0	0	0	0	0	0	VACUUM REGULATORS INLET VALVE	CEFCOCHINA	1.0	30	CO2	GLOBE VALVE	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3153	0	0	0	0	0	0	VACUUM REGULATORS OUTLET VALVE	CEFCOCHINA	1.0	30	CO2	BALL VALVE	PN10	UPVC	UNION	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3154	0	0	0	0	0	0	CO2 GAS FEEDER A INLET VALVE	CEFCOCHINA	1.0	30	CO2	BALL VALVE	PN10	UPVC	UNION	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3155	0	0	0	0	0	0	CO2 GAS FEEDER A OUTLET VALVE	CEFCOCHINA	1.0	30	CO2	BALL VALVE	PN10	UPVC	UNION	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3156	0	0	0	0	0	0	VACUUM REGULATORS B INLET VALVE	CEFCOCHINA	1.0	30	CO2	BALL VALVE	PN10	UPVC	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3157	0	0	0	0	0	0	VACUUM REGULATORS B OUTLET VALVE	CEFCOCHINA	1.0	30	CO2	BALL VALVE	PN10	UPVC	UNION	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3158	0	0	0	0	0	0	CO2 GAS FEEDER B INLET VALVE	CEFCOCHINA	1.0	30	CO2	GLOBE VALVE	PN10	UPVC	UNION	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3159	0	0	0	0	0	0	CO2 GAS FEEDER B OUTLET VALVE	CEFCOCHINA	1.0	30	CO2	BALL VALVE	PN10	UPVC	UNION	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3160	0	0	0	0	0	0	CONNECTOR INLET VALVE	CEFCOCHINA	1.0	30	CO2	CHECK VALVE	PN10	UPVC	UNION	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3161	0	0	0	0	0	0	CONNECTOR INLET VALVE	BRAYCHINA	1.0	30	CO2	BUTTERFLY VALVE	PN10	CARBON STEEL WITH POLYESTER COATING	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3162	0	0	0	0	0	0	CONNECTOR INLET VALVE	BRAYCHINA	1.0	30	CO2	BUTTERFLY VALVE	PN10	CARBON STEEL WITH POLYESTER COATING	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3163	0	0	0	0	0	0	LINGS WATER TANK INLET VALVE	BRAYCHINA	3.5	30	LINGS WATER	BUTTERFLY VALVE	PN10	CARBON STEEL WITH POLYESTER COATING	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3164	0	0	0	0	0	0	LINGS WATER TANK OUTLET VALVE	BRAYCHINA	1.0	30	LINGS WATER	BUTTERFLY VALVE	PN10	CARBON STEEL WITH POLYESTER COATING	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3165	0	0	0	0	0	0	LINGS WATER TANK DRAIN VALVE	BRAYCHINA	1.0	30	LINGS WATER	BUTTERFLY VALVE	PN10	CARBON STEEL WITH POLYESTER COATING	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3166	0	0	0	0	0	0	LINGS WATER TANK LI ROOT VALVE 1	TAINUN JINGTONGCHINA	1.0	30	LINGS WATER	DIPHROGAM VALVE	PN10	CARBON STEEL WITH RUBBER LINED	FLANGED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3167	0	0	0	0	0	0	LINGS WATER TANK LI ROOT VALVE 2	TAINUN JINGTONGCHINA	1.0	30	LINGS WATER	DIPHROGAM VALVE	PN10	CARBON STEEL WITH RUBBER LINED	FLANGED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3168	0	0	0	0	0	0	LINGS WATER TANK LI ROOT VALVE	TAINUN JINGTONGCHINA	1.0	30	LINGS WATER	DIPHROGAM VALVE	PN10	CARBON STEEL WITH RUBBER LINED	FLANGED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3169	0	0	0	0	0	0	LINGS WATER PUMP A INLET VALVE	BRAYCHINA	1.0	30	LINGS WATER	BUTTERFLY VALVE	PN10	CARBON STEEL WITH RUBBER LINED	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3170	0	0	0	0	0	0	LINGS WATER PUMP A CHECK VALVE	BRAYCHINA	1.0	30	LINGS WATER	CHECK VALVE	PN10	SS316	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3171	0	0	0	0	0	0	LINGS WATER PUMP A OUTLET VALVE	BRAYCHINA	1.0	30	LINGS WATER	BUTTERFLY VALVE	PN10	SS316	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3172	0	0	0	0	0	0	LINGS WATER PUMP B INLET VALVE	BRAYCHINA	1.0	30	LINGS WATER	BUTTERFLY VALVE	PN10	CARBON STEEL WITH POLYESTER COATING	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3173	0	0	0	0	0	0	LINGS WATER PUMP B CHECK VALVE	TAINUN JINGTONGCHINA	1.0	30	LINGS WATER	CHECK VALVE	PN10	SS316	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3174	0	0	0	0	0	0	LINGS WATER PUMP B OUTLET VALVE	BRAYCHINA	1.0	30	LINGS WATER	BUTTERFLY VALVE	PN10	SS316	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3175	0	0	0	0	0	0	LINGS WATER PUMPS TO LINGS WATER HEAD TANK PIPE VALVE	BRAYCHINA	1.0	30	LINGS WATER	BUTTERFLY VALVE	PN10	SS316	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3176	0	0	0	0	0	0	LINGS WATER PUMP A OUTLET PIROOT VALVE	BRAYCHINA	1.0	30	LINGS WATER	BALL VALVE	PN10	SS316	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3177	0	0	0	0	0	0	LINGS WATER PUMP B OUTLET PIROOT VALVE	BRAYCHINA	1.0	30	LINGS WATER	BALL VALVE	PN10	SS316	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3178	0	0	0	0	0	0	LINGS WATER PUMPS OUTLET MAIN PIPE CHECK VALVE	BRAYCHINA	1.0	30	LINGS WATER	BALL VALVE	PN10	SS316	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3179	0	0	0	0	0	0	LINGS WATER PUMP A INLET PIROOT VALVE	BRAYCHINA	1.0	30	LINGS WATER	BALL VALVE	PN10	SS316	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3180	0	0	0	0	0	0	LINGS WATER PUMP B INLET PIROOT VALVE	BRAYCHINA	1.0	30	LINGS WATER	BALL VALVE	PN10	SS316	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3181	0	0	0	0	0	0	LINGS WATER PUMP INLET PIROOT VALVE	BRAYCHINA	1.0	30	LINGS WATER	BALL VALVE	PN10	SS316	BUTT WELDED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3182	0	0	0	0	0	0	LINGS WATER PUMPS OUTLET MAIN PIPE OUTLET ORIFICE FLOW METER ROOT VALVE	FOLLOW WITH FLOW METER	1.0	30	LINGS WATER	BALL VALVE	PN10	SS316	THREADED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3183	0	0	0	0	0	0	LINGS WATER PUMPS OUTLET MAIN PIPE OUTLET ORIFICE FLOW METER ROOT VALVE	FOLLOW WITH FLOW METER	1.0	30	LINGS WATER	BALL VALVE	PN10	SS316	THREADED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3184	0	0	0	0	0	0	SAFETY SHOWERS INLET MAIN PIPE CHECK VALVE	TAINUN JINGTONGCHINA	2.5	30	LINGS WATER	CHECK VALVE	PN10	SS316	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3185	0	0	0	0	0	0	SAFETY SHOWERS INLET MAIN PIPE VALVE	BRAYCHINA	2.5	30	LINGS WATER	BALL VALVE	PN10	SS316	FLANGED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3186	0	0	0	0	0	0	SLURRY PUMP A OUTLET CHECK VALVE	TAINUN JINGTONGCHINA	2.5	30	SLURRY	CHECK VALVE	PN10	CARBON STEEL WITH RUBBER LINED	FLANGED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3187	0	0	0	0	0	0	SLURRY PUMP A OUTLET VALVE	BRAYCHINA	2.5	30	SLURRY	BUTTERFLY VALVE	PN10	CARBON STEEL WITH RUBBER LINED	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3188	0	0	0	0	0	0	SLURRY PUMP B OUTLET CHECK VALVE	TAINUN JINGTONGCHINA	2.5	30	SLURRY	CHECK VALVE	PN10	CARBON STEEL WITH RUBBER LINED	FLANGED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3189	0	0	0	0	0	0	SLURRY PUMP B OUTLET VALVE	BRAYCHINA	2.5	30	SLURRY	BUTTERFLY VALVE	PN10	CARBON STEEL WITH RUBBER LINED	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3190	0	0	0	0	0	0	SLURRY PUMP A OUTLET PIROOT VALVE	CEFCOCHINA	2.5	30	SLURRY	BALL VALVE	PN10	UPVC	FLANGED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3191	0	0	0	0	0	0	SLURRY PUMP B OUTLET PIROOT VALVE	CEFCOCHINA	2.5	30	SLURRY	BALL VALVE	PN10	UPVC	FLANGED	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	
3192	0	0	0	0	0	0	SLUDGE THICKENER OUTLET VALVE 1	BRAYCHINA	2.5	30	SLUDGE	BUTTERFLY VALVE	PN10	CARBON STEEL WITH POLYESTER COATING	WIPER	MANUALLY BY HANDLE	TB69A-JOFF-CG-004MPD0028	