

Item No.	Unit 1 (Total Item)		Unit 2 (Equipment Code)		Unit 3 (Component Code)		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
	Qty	Unit	Qty	Unit	Qty	Unit												
4624	0	0	0	0	0	0	COAGULATION TANK A DRAIN VALVE	BRAYCHINA	3	30	BALL VALVE	50	PN10	SS316L	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4625	0	0	0	0	0	0	FLOCCULATION TANK A DRAIN VALVE	BRAYCHINA	3	30	BALL VALVE	50	PN10	SS316L	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4626	0	0	0	0	0	0	COAGULATION TANK B INLET VALVE	CEPCOCHINA	3	30	CONGLUANT	25	PN10	UPVC	UNION	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0009	
4627	0	0	0	0	0	0	COAGULATION TANK B INLET VALVE	CEPCOCHINA	3	30	CONGLUANT	25	PN10	UPVC	UNION	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0009	
4628	0	0	0	0	0	0	FLOCCULATION TANK B INLET VALVE	CEPCOCHINA	3	30	FLOCCULENT	25	PN10	UPVC	UNION	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0009	
4629	0	0	0	0	0	0	FLOCCULATION TANK B INLET VALVE	CEPCOCHINA	3	30	FLOCCULENT	25	PN10	UPVC	UNION	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0009	
4630	0	0	0	0	0	0	COAGULATION TANK B DRAIN VALVE	BRAYCHINA	3	30	CONGLUANT	50	PN10	SS316L	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0009	
4631	0	0	0	0	0	0	FLOCCULATION TANK B DRAIN VALVE	BRAYCHINA	3	30	FLOCCULENT	50	PN10	SS316L	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0009	
4632	0	0	0	0	0	0	CLARIFIER A SLURRY OUTLET VALVE 01	BRAYCHINA	3	30	WASTE WATER	250	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0007	
4633	0	0	0	0	0	0	CLARIFIER A SLURRY OUTLET VALVE 02	BRAYCHINA	3	30	WASTE WATER	250	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0007	
4634	0	0	0	0	0	0	CLARIFIER A SLURRY OUTLET VALVE 03	BRAYCHINA	3	30	WASTE WATER	250	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0007	
4635	0	0	0	0	0	0	CLARIFIER A SLURRY OUTLET VALVE 04	BRAYCHINA	3	30	WASTE WATER	15	PN10	SS304	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4636	0	0	0	0	0	0	CLARIFIER A SAMPLE VALVE 01	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4637	0	0	0	0	0	0	CLARIFIER A SAMPLE VALVE 02	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4638	0	0	0	0	0	0	CLARIFIER A SAMPLE VALVE 03	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4639	0	0	0	0	0	0	CLARIFIER A SAMPLE VALVE 04	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4640	0	0	0	0	0	0	SAMPLING TANK DRAIN VALVE	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4641	0	0	0	0	0	0	CLARIFIER A SLURRY OUTLET VALVE 01	TIANJIN JINTONGCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4642	0	0	0	0	0	0	CLARIFIER A SLURRY OUTLET VALVE 02	TIANJIN JINTONGCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4643	0	0	0	0	0	0	CLARIFIER A SLURRY OUTLET VALVE 03	TIANJIN JINTONGCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4644	0	0	0	0	0	0	CLARIFIER A SLURRY INLET VALVE	TIANJIN JINTONGCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4645	0	0	0	0	0	0	CLARIFIER A SLURRY INLET VALVE	TIANJIN JINTONGCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4646	0	0	0	0	0	0	CLARIFIER A SLURRY INLET VALVE	BRAYCHINA	3	30	SLURRY	25	PN10	SS316	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4647	0	0	0	0	0	0	CLARIFIER A SLURRY INLET VALVE	BRAYCHINA	3	30	SLURRY	25	PN10	SS316	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4648	0	0	0	0	0	0	CLARIFIER A SLURRY INLET VALVE	TIANJIN JINTONGCHINA	3	30	SLURRY	100	PN10	SS316	WAFER	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4649	0	0	0	0	0	0	CLARIFIER A SLURRY INLET VALVE	TIANJIN JINTONGCHINA	3	30	SLURRY	100	PN10	SS316	WAFER	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4650	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 01	CEPCOCHINA	3	30	SLURRY	100	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0007	
4651	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 02	CEPCOCHINA	3	30	SLURRY	100	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0007	
4652	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 03	CEPCOCHINA	3	30	SLURRY	100	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0007	
4653	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 04	CEPCOCHINA	3	30	SLURRY	100	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0007	
4654	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 05	BRAYCHINA	3	30	SLURRY	25	PN10	SS316	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4655	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 06	BRAYCHINA	3	30	SLURRY	25	PN10	SS316	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4656	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 07	BRAYCHINA	3	30	SLURRY	50	PN10	SS304	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4657	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 08	TIANJIN JINTONGCHINA	3	30	SLURRY	50	PN10	SS304	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4658	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 09	BRAYCHINA	3	30	SLURRY	50	PN10	SS304	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4659	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 10	CEPCOCHINA	3	30	SLURRY	50	PN10	UPVC	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4660	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 11	CEPCOCHINA	3	30	SLURRY	50	PN10	UPVC	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4661	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 12	CEPCOCHINA	3	30	SLURRY	50	PN10	UPVC	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0007	
4662	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 13	BRAYCHINA	3	30	WASTE WATER	250	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0008	
4663	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 14	BRAYCHINA	3	30	WASTE WATER	250	PN10	DOCTILE IRON WITH POLYESTER LINED	WAFER	PNEUMATIC ACTUATOR	TBR6L-3OFF-CO6-CAF-EP0008	
4664	0	0	0	0	0	0	CLARIFIER A SLURRY PUMP 15	BRAYCHINA	3	30	WASTE WATER	15	PN10	SS304	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4665	0	0	0	0	0	0	CLARIFIER A SAMPLE VALVE 01	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4666	0	0	0	0	0	0	CLARIFIER A SAMPLE VALVE 02	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4667	0	0	0	0	0	0	CLARIFIER A SAMPLE VALVE 03	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4668	0	0	0	0	0	0	CLARIFIER A SAMPLE VALVE 04	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4669	0	0	0	0	0	0	SAMPLING TANK DRAIN VALVE	BRAYCHINA	3	30	WASTE WATER	25	PN10	SS304	BUTT WELDED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4670	0	0	0	0	0	0	CLARIFIER B SLURRY OUTLET VALVE 01	TIANJIN JINTONGCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4671	0	0	0	0	0	0	CLARIFIER B SLURRY OUTLET VALVE 02	CEPCOCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4672	0	0	0	0	0	0	CLARIFIER B SLURRY OUTLET VALVE 03	CEPCOCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	
4673	0	0	0	0	0	0	CLARIFIER B SLURRY OUTLET VALVE 04	TIANJIN JINTONGCHINA	3	30	SLURRY	125	PN10	DOCTILE IRON WITH POLYESTER LINED	FLANGED	MANUALLY BY HANDLE	TBR6L-3OFF-CO6-CAF-EP0008	