

Item No.	Valve Number (MS)				Valve Description	Manufacturer / Country of Origin	Design Condition		Fluid Medium	Valve Type	Nominal Valve Size (DN)	Valve Rating (LB)	Body Material	End Connection	Valve Operation	Reference P&ID	Remarks
	Line 1 (Total No.)	Line 2 (System Code)	Line 3 (Component Code)	Line 4 (Equipment Code)			Press (Bar)	Temp (°C)									
3007	0	0	0	0	CAULTE CONTRACTOR A BACKWASH WATER INLET VALVE 1	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	MANUALLY BY HANDWHEEL	TUBSAL30FF-CG04MFP0008	
3008	0	0	0	0	CAULTE CONTRACTOR A BACKWASH WATER INLET VALVE 2	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3009	0	0	0	0	CAULTE CONTRACTOR A BACKWASH AIR INLET CHECK VALVE	TIANJIN JINGTONGCHINA	0.7	30	AIR	CHECK VALVE	100	PN10	SS316	WAFER	MANUALLY BY HANDWHEEL	TUBSAL30FF-CG04MFP0008	
3010	0	0	0	0	CAULTE CONTRACTOR A BACKWASH AIR INLET VALVE	BRAYCHINA	0.7	30	AIR	BUTTERFLY VALVE	100	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3011	0	0	0	0	CAULTE CONTRACTOR A OUTLET VALVE 2	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3012	0	0	0	0	CAULTE CONTRACTOR C OUTLET VALVE 1	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3013	0	0	0	0	CAULTE CONTRACTOR A BACKWASH OUTLET VALVE	BRAYCHINA	0.7	30	SERVICE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3014	0	0	0	0	CAULTE CONTRACTOR A DRAIN VALVE	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	80	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3015	0	0	0	0	CAULTE CONTRACTOR A VENT VALVE	BRAYCHINA	3.5	30	AIR	BUTTERFLY VALVE	50	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3016	0	0	0	0	CAULTE CONTRACTOR INLET ORIFICE FLOW METER ROOT VALVE	FOLLOW WITH FLOW METER	3.5	30	SWRO PERMEATE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3017	0	0	0	0	CAULTE CONTRACTOR INLET ORIFICE FLOW METER ROOT VALVE	FOLLOW WITH FLOW METER	3.5	30	SWRO PERMEATE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3018	0	0	0	0	CAULTE CONTRACTOR A TOP ROOT VALVE	CEPEKCHINA	3.5	30	SWRO PERMEATE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3019	0	0	0	0	CAULTE CONTRACTOR A OUTLET TURBINE METER ROOT VALVE	CEPEKCHINA	3.5	30	SERVICE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3020	0	0	0	0	CAULTE CONTRACTOR A BOTTOM PI ROOT VALVE	CEPEKCHINA	3.5	30	SERVICE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3021	0	0	0	0	CAULTE CONTRACTOR B INLET VALVE 1	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3022	0	0	0	0	CAULTE CONTRACTOR B INLET VALVE 2	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3023	0	0	0	0	CAULTE CONTRACTOR B BACKWASH WATER INLET VALVE 1	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	MANUALLY BY HANDWHEEL	TUBSAL30FF-CG04MFP0008	
3024	0	0	0	0	CAULTE CONTRACTOR B BACKWASH WATER INLET VALVE 2	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3025	0	0	0	0	CAULTE CONTRACTOR B BACKWASH AIR INLET CHECK VALVE	TIANJIN JINGTONGCHINA	0.7	30	AIR	CHECK VALVE	100	PN10	SS316	WAFER	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3026	0	0	0	0	CAULTE CONTRACTOR B BACKWASH AIR INLET VALVE	BRAYCHINA	0.7	30	AIR	BUTTERFLY VALVE	100	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3027	0	0	0	0	CAULTE CONTRACTOR B BACKWASH AIR INLET VALVE	BRAYCHINA	0.7	30	AIR	BUTTERFLY VALVE	100	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3028	0	0	0	0	CAULTE CONTRACTOR B OUTLET VALVE 2	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3029	0	0	0	0	CAULTE CONTRACTOR B OUTLET VALVE 1	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3030	0	0	0	0	CAULTE CONTRACTOR B BACKWASH WATER INLET VALVE 1	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3031	0	0	0	0	CAULTE CONTRACTOR B BACKWASH WATER INLET VALVE 2	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3032	0	0	0	0	CAULTE CONTRACTOR B VENT VALVE	BRAYCHINA	3.5	30	AIR	BUTTERFLY VALVE	50	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3033	0	0	0	0	CAULTE CONTRACTOR INLET ORIFICE FLOW METER ROOT VALVE	FOLLOW WITH FLOW METER	3.5	30	SWRO PERMEATE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3034	0	0	0	0	CAULTE CONTRACTOR INLET ORIFICE FLOW METER ROOT VALVE	FOLLOW WITH FLOW METER	3.5	30	SWRO PERMEATE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3035	0	0	0	0	CAULTE CONTRACTOR B OUTLET TURBINE METER ROOT VALVE	CEPEKCHINA	3.5	30	SERVICE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3036	0	0	0	0	CAULTE CONTRACTOR B BOTTOM PI ROOT VALVE	CEPEKCHINA	3.5	30	SERVICE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3037	0	0	0	0	CAULTE CONTRACTOR C INLET VALVE 1	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3038	0	0	0	0	CAULTE CONTRACTOR C INLET VALVE 2	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3039	0	0	0	0	CAULTE CONTRACTOR C BACKWASH WATER INLET VALVE 1	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	MANUALLY BY HANDWHEEL	TUBSAL30FF-CG04MFP0008	
3040	0	0	0	0	CAULTE CONTRACTOR C BACKWASH WATER INLET VALVE 2	BRAYCHINA	3.5	30	SWRO PERMEATE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3100	0	0	0	0	CAULTE CONTRACTOR C BACKWASH AIR INLET CHECK VALVE	TIANJIN JINGTONGCHINA	0.7	30	AIR	CHECK VALVE	100	PN10	SS316	WAFER	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3101	0	0	0	0	CAULTE CONTRACTOR C BACKWASH AIR INLET VALVE	BRAYCHINA	0.7	30	AIR	BUTTERFLY VALVE	100	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3102	0	0	0	0	CAULTE CONTRACTOR C BACKWASH AIR INLET VALVE	BRAYCHINA	0.7	30	AIR	BUTTERFLY VALVE	100	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3103	0	0	0	0	CAULTE CONTRACTOR C OUTLET VALVE 2	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	
3104	0	0	0	0	CAULTE CONTRACTOR C OUTLET VALVE 1	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	150	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3105	0	0	0	0	CAULTE CONTRACTOR C BACKWASH OUTLET VALVE	BRAYCHINA	0.7	30	SERVICE WATER	BUTTERFLY VALVE	200	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3106	0	0	0	0	CAULTE CONTRACTOR C DRAIN VALVE	BRAYCHINA	3.5	30	SERVICE WATER	BUTTERFLY VALVE	80	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3107	0	0	0	0	CAULTE CONTRACTOR C VENT VALVE	BRAYCHINA	3.5	30	AIR	BUTTERFLY VALVE	50	PN10	CARBON STEEL WITH POLYESTER COATING	WAFER	PNEUMATIC ACTUATOR	TUBSAL30FF-CG04MFP0008	
3108	0	0	0	0	CAULTE CONTRACTOR INLET ORIFICE FLOW METER ROOT VALVE	FOLLOW WITH FLOW METER	3.5	30	SWRO PERMEATE WATER	BALL VALVE	15	PN10	SS316	THREADED	MANUALLY BY HANDLE	TUBSAL30FF-CG04MFP0008	