

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
RWPS Area								
WI - P0001	CV - I001A	Check Valve	V614	Raw Water	900	Exposed	250	
WI - P0001	ARV - I001A	Air / Vacuum	V742	Air	200	Exposed		c/w surge check valve
WI - P0001	HV - I001A	Ball	V304	Raw Water	12	Exposed	250	
WI - P0001	HV - I001B	Ball	V304	Raw Water	12	Exposed	250	
WI - P0001	HV - I001C	Butterfly	V500	Raw Water	900	Exposed	250	Limit Switch - Open / Closed
WI - P0001	HV - I001D	Butterfly	V500	Raw Water	200	Exposed	250	
WI - P0001	HV - I001E	Ball	V304	Raw Water	25	Exposed	250	
WI - P0001	HV - I001F	Ball	V304	Raw Water	12	Exposed	250	
WI - P0001	HV - I001G	Ball	V304	Raw Water	12	Exposed	250	
WI - P0001	HV - I001H	Butterfly	V500	Raw Water	150	Exposed	250	
WI - P0001	ARV - I001I	Air / Vacuum	V741	Air	150	Exposed	250	Combination air vacuum valve
WI - P0001	CV - I002A	Check Valve	V614	Raw Water	900	Exposed	250	
WI - P0001	ARV - I002A	Air / Vacuum	V742	Air	200	Exposed		c/w surge check valve
WI - P0001	HV - I002A	Ball	V304	Raw Water	12	Exposed	250	
WI - P0001	HV - I002B	Ball	V304	Raw Water	12	Exposed	250	
WI - P0001	HV - I002C	Butterfly	V500	Raw Water	900	Exposed	250	Limit Switch - Open / Closed
WI - P0001	HV - I002D	Butterfly	V500	Raw Water	200	Exposed	250	
WI - P0001	HV - I002E	Ball	V304	Raw Water	25	Exposed	250	
WI - P0001	HV - I002F	Ball	V304	Raw Water	12	Exposed	250	
WI - P0001	HV - I002G	Ball	V304	Raw Water	12	Exposed	250	
WI - P0001	HV - I002H	Butterfly	V500	Raw Water	150	Exposed	250	
WI - P0001	ARV - I002I	Air / Vacuum	V741	Air	150	Exposed	250	Combination air vacuum valve
WI - P0001	HV - I006A	Ball	V304	Air	12	Exposed	250	
WI - P0002	CV - I003A	Check Valve	V614	Raw Water	900	Exposed	250	
WI - P0002	ARV - I003A	Air / Vacuum	V742	Air	200	Exposed		c/w surge check valve
WI - P0002	HV - I003A	Ball	V304	Raw Water	12	Exposed	250	
WI - P0002	HV - I003B	Ball	V304	Raw Water	12	Exposed	250	
WI - P0002	HV - I003C	Butterfly	V500	Raw Water	900	Exposed	250	Limit Switch - Open / Closed
WI - P0002	HV - I003D	Butterfly	V500	Raw Water	200	Exposed	250	
WI - P0002	HV - I003E	Ball	V304	Raw Water	25	Exposed	250	
WI - P0002	HV - I003F	Ball	V304	Raw Water	12	Exposed	250	
WI - P0002	HV - I003G	Ball	V304	Raw Water	12	Exposed	250	
WI - P0002	HV - I003H	Butterfly	V500	Raw Water	150	Exposed	250	
WI - P0002	ARV - I003I	Air / Vacuum	V741	Air	150	Exposed	250	Combination air vacuum valve
WI - P0002	CV - I004A	Check Valve	V614	Raw Water	900	Exposed	250	
WI - P0002	ARV - I004A	Air / Vacuum	V742	Air	200	Exposed		c/w surge check valve
WI - P0002	HV - I004A	Ball	V304	Raw Water	12	Exposed	250	
WI - P0002	HV - I004B	Ball	V304	Raw Water	12	Exposed	250	
WI - P0002	HV - I004C	Butterfly	V500	Raw Water	900	Exposed	250	Limit Switch - Open / Closed
WI - P0002	HV - I004D	Butterfly	V500	Raw Water	200	Exposed	250	
WI - P0002	HV - I004E	Ball	V304	Raw Water	25	Exposed	250	
WI - P0002	HV - I004F	Ball	V304	Raw Water	12	Exposed	250	
WI - P0002	HV - I004G	Ball	V304	Raw Water	12	Exposed	250	
WI - P0002	HV - I004H	Butterfly	V500	Raw Water	150	Exposed	250	

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P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WI - P0002	ARV - I004I	Air / Vacuum	V741	Air	150	Exposed	250	Combination air vacuum valve
WI - P0002	HV - I006B	Ball	V304	Air	12	Exposed	250	
DAF Area								
WP - P0001	HV - I011A	Butterfly	V501	RW	1350	Exposed	120	City Supplied Equipment
WP - P0001	HV - I012A	Butterfly	V501	RW	1350	Exposed	120	City Supplied Equipment
WP - P0001	HV - I011C	Ball	V462	RW	75	Exposed	120	
WP - P0001	HV - I012C	Ball	V462	RW	75	Exposed	120	
WP - P0001	HV - I013A	Butterfly	V500	RW	300	Exposed	120	c/w chain wheel and guide
WP - P0001	HV - I013B	Butterfly	V500	RW	300	Exposed	120	
WP - P0001	CV - I013C	Check	V614	RW	300	Exposed	120	
WP - P0001	HV - I013D	Butterfly	V500	RW	300	Exposed	120	c/w Limit Switch - Open
WP - P0001	HV - I013E	Butterfly	V500	RW	300	Exposed	120	c/w chain wheel and guide
WP - P0001	HV - I013F	Gauge Cock	V462	RW	6	Exposed	120	
WP - P0001	HV - I013G	Gauge Cock	V462	RW	6	Exposed	120	
WP - P0001	HV - I014A	Butterfly	V500	RW	300	Exposed	120	
WP - P0001	CV - I014B	Check	V614	RW	300	Exposed	120	
WP - P0001	HV - I014C	Gauge Cock	V462	RW	6	Exposed	120	
WP - P0001	HV - I014D	Gauge Cock	V462	RW	6	Exposed	120	
WP - P0001	HV - I014H	Ball	V462	RW	25	Exposed	120	
WP - P0001	HV - I014I	Ball	V462	RW	25	Exposed	120	
WP - P0001	HV - I015A	Butterfly	V500	RW	300	Exposed	120	c/w chain wheel and guide
WP - P0001	HV - I015B	Butterfly	V500	RW	300	Exposed	120	
WP - P0001	CV - I015C	Check	V614	RW	300	Exposed	120	
WP - P0001	HV - I015D	Butterfly	V500	RW	300	Exposed	120	c/w Limit Switch - Open
WP - P0001	HV - I015E	Butterfly	V500	RW	300	Exposed	120	c/w chain wheel and guide
WP - P0001	HV - I015F	Gauge Cock	V462	RW	6	Exposed	120	
WP - P0001	HV - I015G	Gauge Cock	V462	RW	6	Exposed	120	
WP - P0001	HV - I016A	Butterfly	V501	RW	1350	Exposed	120	City Supplied Equipment
WP - P0001	HV - I013H	Ball	V462	RW	25	Exposed	120	
WP - P0001	HV - I015H	Ball	V462	RW	25	Exposed	120	
WP - P0001	HV - I013I	Ball	V462	RW	25	Exposed	120	
WP - P0001	HV - I015I	Ball	V462	RW	25	Exposed	120	
WP - P0001	HV - I017A	Butterfly	V500	RW	300	Exposed	120	c/w chain wheel and guide
WP - P0001	HV - I017B	Ball	V330	FC	38	Exposed	120	
WP - P0001	CV - I017C	Check	V630	FC	38	Exposed	120	
WP - P0001	BPV - I017D	Back Pressure	V717	FC	38	Exposed	170	Steel body with SS trim
WP - P0001	HV - I017E	Ball	V330	FC	38	Exposed	120	
WP - P0001	HV - I017F	Ball	V330	FC	38	Exposed	120	
WP - P0001	HV - I017G	Ball	V330	FC	38	Exposed	120	
WP - P0001	HV - I018A	Butterfly	V500	RW	300	Exposed	120	c/w chain wheel and guide
WP - P0001	HV - I018B	Ball	V330	FC	38	Exposed	120	
WP - P0001	CV - I018C	Check	V630	FC	38	Exposed	120	
WP - P0001	BPV - I018D	Back Pressure	V717	FC	38	Exposed	170	Steel body with SS trim
WP - P0001	HV - I018E	Ball	V330	FC	38	Exposed	120	
WP - P0001	HV - I018F	Ball	V330	FC	38	Exposed	120	
WP - P0001	HV - I018G	Ball	V330	FC	38	Exposed	120	
WP - P0001	HV - I022A	Ball	V310	SCA	25	Exposed	120	
WP - P0001	HV - I022B	Ball	V310	SCA	25	Exposed	120	

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P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WP - P0001	HV - I022C	Ball	V310	SCA	25	Exposed	120	
WP - P0001	BPV - I022D	Back Pressure	V719	SCA	25	Exposed	170	PVFD w/ Viton Seals
WP - P0001	CV - I022E	Ball Check	V633	SCA	25	Exposed	120	
WP - P0001	HV - I022F	Ball	V310	SCA	25	Exposed	120	
WP - P0001	HV - I022G	Ball	V310	SCA	25	Exposed	120	
WP - P0001	BPV - I022H	Back Pressure	V719	SCA	25	Exposed	170	PVFD w/ Viton Seals
WP - P0001	CV - I022I	Ball Check	V633	SCA	25	Exposed	120	
WP - P0001	HV - I022J	Ball	V310	SCA	25	Exposed	120	
WP - P0001	HV - I023A	Ball	V310	SCA	25	Exposed	120	
WP - P0001	HV - I023B	Ball	V310	SCA	25	Exposed	120	
WP - P0001	HV - I023C	Ball	V310	SCA	25	Exposed	120	
WP - P0001	BPV - I023D	Back Pressure	V719	SCA	25	Exposed	170	PVFD w/ Viton Seals
WP - P0001	CV - I023E	Ball Check	V633	SCA	25	Exposed	120	
WP - P0001	HV - I023F	Ball	V310	SCA	25	Exposed	120	
WP - P0001	HV - I023G	Ball	V310	SCA	25	Exposed	120	
WP - P0001	BPV - I023H	Back Pressure	V719	SCA	25	Exposed	170	PVFD w/ Viton Seals
WP - P0001	CV - I023I	Ball Check	V633	SCA	25	Exposed	120	
WP - P0001	HV - I023J	Ball	V310	SCA	25	Exposed	120	
WP - P0001	HV - I024A	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I024B	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I024C	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I024D	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I024E	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I025A	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I025B	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I026A	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I026B	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I027B	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I027C	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I027D	Ball	V307	RW	25	Exposed	120	
WP - P0001	HV - I011B	Gauge Cock	V462	RW	6	Exposed	120	
WP - P0001	HV - I012B	Gauge Cock	V462	RW	6	Exposed	120	
WP - P0001	HV - I024E	Ball	V307	RW	13	Exposed	120	
WP - P0001	HV - I027A	Ball	V307	RW	13	Exposed	120	
WP - P0001	ARV - I024E	Air Release Valve	V744	RW	13	Exposed	120	
WP - P0001	ARV - I027A	Air Release Valve	V744	RW	13	Exposed	120	
WP - P0002	HV - P100A	Butterfly	V500	RW	600	Exposed	120	c/w chain wheel and guide
WP - P0002	HV - P100C	Ball	V300	DRN	50	Exposed	120	
WP - P0002	HV - P200A	Butterfly	V500	RW	600	Exposed	120	c/w chain wheel and guide
WP - P0002	HV - P200C	Ball	V300	DRN	50	Exposed	120	
WP - P0002	HV - P300A	Butterfly	V500	RW	600	Exposed	120	c/w chain wheel and guide
WP - P0002	HV - P300C	Ball	V300	DRN	50	Exposed	120	
WP - P0002	HV - P400A	Butterfly	V500	RW	600	Exposed	120	c/w chain wheel and guide
WP - P0002	HV - P400C	Ball	V300	DRN	50	Exposed	120	
WP - P0002	HV - P400D	Ball	V300	DRN	75	Exposed	120	
WP - P0003	HV - P500A	Butterfly	V500	RW	600	Exposed	120	c/w chain wheel and guide
WP - P0003	HV - P500C	Ball	V300	DRN	50	Exposed	120	
WP - P0003	HV - P600A	Butterfly	V500	RW	600	Exposed	120	c/w chain wheel and guide
WP - P0003	HV - P600C	Ball	V300	DRN	50	Exposed	120	

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P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WP - P0003	HV - P700A	Butterfly	V500	RW	600	Exposed	120	c/w chain wheel and guide
WP - P0003	HV - P700C	Ball	V300	DRN	50	Exposed	120	
WP - P0003	HV - P800A	Butterfly	V500	RW	600	Exposed	120	c/w chain wheel and guide
WP - P0003	HV - P800C	Ball	V300	DRN	50	Exposed	120	
WP - P0003	HV - P800D	Ball	V300	DRN	75	Exposed	120	
WP - P0004	HV - P100B	Butterfly	V500	RW	600	Exposed	120	Floor stand and extension stem
WP - P0004	HV - P120A	Ball	V300	PSW	25	Exposed	560	
WP - P0004	MDV - P130A	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0004	MDV - P130B	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0004	HV - P130C	Butterfly	V500	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0004	HV - P130D	Plug	V405	DRN	100	Exposed	55	
WP - P0005	HV - P200B	Butterfly	V500	RW	600	Exposed	120	Floor stand and SS extension stem
WP - P0005	MDV - P230A	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0005	MDV - P230B	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0005	HV - P230C	Butterfly	V500	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0005	HV - P230D	Plug	V405	DRN	100	Exposed	55	
WP - P0006	HV - P300B	Butterfly	V500	RW	600	Exposed	120	Floor stand and SS extension stem
WP - P0006	HV - P320A	Ball	V300	PSW	25	Exposed	560	
WP - P0006	MDV - P330A	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0006	MDV - P330B	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0006	HV - P330C	Butterfly	V500	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0006	HV - P330D	Plug	V405	DRN	100	Exposed	55	
WP - P0007	HV - P400B	Butterfly	V500	RW	600	Exposed	120	Floor stand and SS extension stem
WP - P0007	MDV - P430A	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0007	MDV - P430B	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0007	HV - P430C	Butterfly	V500	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0007	HV - P430D	Plug	V405	DRN	100	Exposed	55	
WP - P0008	HV - P500B	Butterfly	V500	RW	600	Exposed	120	Floor stand and SS extension stem
WP - P0008	HV - P520A	Ball	V300	PSW	25	Exposed	560	
WP - P0008	MDV - P530A	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0008	MDV - P530B	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0008	HV - P530C	Butterfly	V500	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0008	HV - P530D	Plug	V405	DRN	100	Exposed	55	
WP - P0009	HV - P600B	Butterfly	V500	RW	600	Exposed	120	Floor stand and SS extension stem
WP - P0009	MDV - P630A	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0009	MDV - P630B	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0009	HV - P630C	Butterfly	V500	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0009	HV - P630D	Plug	V405	DRN	100	Exposed	55	
WP - P0010	HV - P700B	Butterfly	V500	RW	600	Exposed	120	Floor stand and SS extension stem
WP - P0010	HV - P720A	Ball	V300	PSW	25	Exposed	560	
WP - P0010	MDV - P730A	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0010	MDV - P730B	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0010	HV - P730C	Butterfly	V500	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0010	HV - P730D	Plug	V405	DRN	100	Exposed	55	
WP - P0011	HV - P800B	Butterfly	V500	RW	600	Exposed	120	Floor stand and SS extension stem
WP - P0011	MDV - P830A	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0011	MDV - P830B	Mud	V916	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0011	HV - P830C	Butterfly	V500	DRN	100	Submerged	55	Floor stand and SS extension stem
WP - P0011	HV - P830D	Plug	V405	DRN	100	Exposed	55	

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P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WP - P0012	HV - P010A	Butterfly	V500	CRW	250	Exposed	80	
WP - P0012	CV - P010B	Check	V604	CRW	250	Exposed	700	
WP - P0012	HV - P010C	Butterfly	V500	CRW	250	Exposed	700	c/w Limit Switch - Open
WP - P0012	HV - P020A	Butterfly	V500	CRW	250	Exposed	80	
WP - P0012	CV - P020B	Check	V604	CRW	250	Exposed	700	
WP - P0012	HV - P020C	Butterfly	V500	CRW	250	Exposed	700	c/w Limit Switch - Open
WP - P0012	HV - P030A	Butterfly	V500	CRW	250	Exposed	80	
WP - P0012	CV - P030B	Check	V604	CRW	250	Exposed	700	
WP - P0012	HV - P030C	Butterfly	V500	CRW	250	Exposed	700	c/w Limit Switch - Open
WP - P0013	HV - P001A	Butterfly	V500	CRW	250	Exposed	700	
WP - P0013	HV - P001B	Ball	V301	CA	37	Exposed	860	
WP - P0013	HV - P002A	Butterfly	V500	CRW	250	Exposed	700	
WP - P0013	HV - P002B	Ball	V301	CA	37	Exposed	860	
WP - P0014	HV - P040A	Butterfly	V500	CRW	250	Exposed	80	
WP - P0014	CV - P040B	Check	V604	CRW	250	Exposed	700	
WP - P0014	HV - P040C	Butterfly	V500	CRW	250	Exposed	700	c/w Limit Switch - Open
WP - P0014	HV - P050A	Butterfly	V500	CRW	250	Exposed	80	
WP - P0014	CV - P050B	Check	V604	CRW	250	Exposed	700	
WP - P0014	HV - P050C	Butterfly	V500	CRW	250	Exposed	700	c/w Limit Switch - Open
WP - P0014	HV - P060A	Butterfly	V500	CRW	250	Exposed	80	
WP - P0014	CV - P060B	Check	V604	CRW	250	Exposed	700	
WP - P0014	HV - P060C	Butterfly	V500	CRW	250	Exposed	700	c/w Limit Switch - Open
WP - P0015	HV - P003A	Butterfly	V500	CRW	250	Exposed	700	
WP - P0015	HV - P003B	Ball	V301	CA	37	Exposed	860	
WP - P0015	HV - P004A	Butterfly	V500	CRW	250	Exposed	700	
WP - P0015	HV - P004B	Ball	V301	CA	37	Exposed	860	
WP - P0016	HV - P900A	Ball	V304	CA	25	Exposed	860	
WP - P0016	HV - P900B	Ball	V304	CA	25	Exposed	860	
WP - P0016	HV - P900C	Ball	V304	CA	25	Exposed	860	
WP - P0016	HV - P910C	Ball	V304	CA	50	Exposed	860	Instrument Air - full port
WP - P0016	HV - P911A	Ball	V304	CA	37	Exposed	860	
WP - P0016	HV - P911B	Ball	V304	CA	25	Exposed	860	
WP - P0016	HV - P911D	Ball	V304	CA	50	Exposed	860	
WP - P0016	HV - P911E	Ball	V304	CA	37	Exposed	860	
WP - P0016	HV - P911K	Ball	V304	CA	37	Exposed	860	
WP - P0016	CV - P911L	Check	V304	CA	37	Exposed	860	
WP - P0016	HV - P920C	Ball	V304	CA	37	Exposed	860	
WP - P0016	HV - P921A	Ball	V304	CA	37	Exposed	860	
WP - P0016	HV - P921B	Ball	V304	CA	25	Exposed	860	
WP - P0016	HV - P921D	Ball	V304	CA	50	Exposed	860	
WP - P0016	HV - P921E	Ball	V304	CA	25	Exposed	860	
WP - P0016	HV - P921K	Ball	V304	CA	37	Exposed	860	
WP - P0016	CV - P921L	Check	V304	CA	37	Exposed	860	
WP - P0017	HV - P971A	Butterfly	V500	CRW	400	Exposed	80	
WP - P0017	HV - P972A	Butterfly	V500	CRW	400	Exposed	80	
WP - P0017	HV - P973A	Ball	V304	CRW	25	Exposed	80	
WP - P0017	HV - P974A	Ball	V304	CRW	25	Exposed	80	
WP - P0017	HV - P975A	Ball	V304	CRW	25	Exposed	80	
WP - P0017	HV - P975B	Ball	V304	CRW	25	Exposed	80	

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WP - P0017	HV - P975C	Ball	V304	CRW	25	Exposed	80	
WP - P0017	HV - P975D	Ball	V304	DRN	50	Exposed	80	
WP - P0017	HV - P976A	Ball	V304	CRW	50	Exposed	80	
WP - P0017	HV - P976B	Ball	V304	DRN	50	Exposed	80	
WP - P0018	CV - P930A	Duckbill	V694	OV	300	Exposed	1.75 m	
WP - P0018	HV - P930B	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P930C	Ball	V331	DF	75	Exposed	115	
WP - P0018	HV - P930D	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P930E	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P930F	Ball	V300	PSW	25	Exposed	560	
WP - P0018	HV - P930G	Ball	V307	DF	50	Exposed	115	Associated with PIT
WP - P0018	HV - P930H	Ball	V307	DF	50	Exposed	115	
WP - P0018	HV - P931A	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P931B	Ball	V300	PSW	25	Exposed	560	
WP - P0018	HV - P931C	Ball	V304	DF	15	Exposed	115	
WP - P0018	CV - P931D	Check	V617	DF	100	Exposed	115	Stainless Steel
WP - P0018	HV - P931E	Plug	V405	DF	100	Exposed	115	c/w Limit Switch - Open
WP - P0018	HV - P931F	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P931G	Ball	V300	PSW	25	Exposed	560	
WP - P0018	HV - P931H	Ball	V304	DF	15	Exposed	115	
WP - P0018	HV - P931I	Ball	V304	DF	15	Exposed	115	
WP - P0018	HV - P932A	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P932B	Ball	V300	PSW	25	Exposed	560	
WP - P0018	HV - P932C	Ball	V304	DF	15	Exposed	115	
WP - P0018	CV - P932D	Check	V617	DF	100	Exposed	115	Stainless Steel
WP - P0018	HV - P932E	Plug	V405	DF	100	Exposed	115	c/w Limit Switch - Open
WP - P0018	HV - P932H	Ball	V304	DF	15	Exposed	115	
WP - P0018	HV - P932I	Ball	V304	DF	15	Exposed	115	
WP - P0018	CV - P940A	Duckbill	V694	OV	300	Exposed	1.75 m	
WP - P0018	HV - P940B	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P940C	Ball	V331	DF	75	Exposed	115	
WP - P0018	HV - P940D	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P940E	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P940F	Ball	V307	DF	75	Exposed	115	
WP - P0018	HV - P940G	Ball	V307	DF	50	Exposed	115	Associated with PIT
WP - P0018	HV - P940H	Ball	V307	DF	50	Exposed	115	Associated with PIT
WP - P0018	HV - P941A	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P941B	Ball	V300	PSW	25	Exposed	560	
WP - P0018	HV - P941C	Ball	V304	DF	15	Exposed	115	
WP - P0018	CV - P941D	Check	V617	DF	100	Exposed	115	Stainless Steel
WP - P0018	HV - P941E	Plug	V405	DF	100	Exposed	115	c/w Limit Switch - Open
WP - P0018	HV - P941F	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P941G	Ball	V300	PSW	25	Exposed	560	
WP - P0018	HV - P941H	Ball	V304	DF	15	Exposed	115	
WP - P0018	HV - P941I	Ball	V304	DF	15	Exposed	115	
WP - P0018	HV - P942A	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P942B	Ball	V300	PSW	25	Exposed	560	
WP - P0018	HV - P942C	Ball	V304	DF	15	Exposed	115	
WP - P0018	CV - P942D	Check	V617	DF	100	Exposed	115	Stainless Steel

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WP - P0018	HV - P942E	Plug	V405	DF	100	Exposed	115	c/w Limit Switch - Open
WP - P0018	HV - P942H	Ball	V304	DF	15	Exposed	115	
WP - P0018	HV - P942I	Ball	V304	DF	15	Exposed	115	
WP - P0018	HV - P990A	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P992A	Plug	V405	DF	100	Exposed	115	
WP - P0018	HV - P931J	Ball	V304	DF	50	Exposed	115	Addendum 6
WP - P0018	HV - P932J	Ball	V304	DF	50	Exposed	115	Addendum 6
WP - P0018	HV - P941J	Ball	V304	DF	50	Exposed	115	Addendum 6
WP - P0018	HV - P942J	Ball	V304	DF	50	Exposed	115	Addendum 6
WP - P0019	CV - P950A	Duckbill	V694	OV	300	Exposed	1.75 m	
WP - P0019	HV - P950B	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P950C	Ball	V331	DF	75	Exposed	115	
WP - P0019	HV - P950D	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P950E	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P950F	Ball	V300	PSW	25	Exposed	560	
WP - P0019	HV - P950G	Ball	V307	DF	50	Exposed	115	Associated with PIT
WP - P0019	HV - P950H	Ball	V307	DF	50	Exposed	115	Associated with PIT
WP - P0019	HV - P951A	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P951B	Ball	V300	PSW	25	Exposed	560	
WP - P0019	HV - P951C	Ball	V304	DF	15	Exposed	115	
WP - P0019	CV - P951D	Check	V617	DF	100	Exposed	115	Stainless Steel
WP - P0019	HV - P951E	Plug	V405	DF	100	Exposed	115	c/w Limit Switch - Open
WP - P0019	HV - P951F	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P951G	Ball	V300	PSW	25	Exposed	560	
WP - P0019	HV - P951H	Ball	V304	DF	15	Exposed	115	
WP - P0019	HV - P951I	Ball	V304	DF	15	Exposed	115	
WP - P0019	HV - P951J	Ball	V304	DF	50	Exposed	115	Addendum 6
WP - P0019	HV - P952J	Ball	V304	DF	50	Exposed	115	Addendum 6
WP - P0019	HV - P952A	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P952B	Ball	V300	PSW	25	Exposed	560	
WP - P0019	HV - P952C	Ball	V304	DF	15	Exposed	115	
WP - P0019	CV - P952D	Check	V617	DF	100	Exposed	115	Stainless Steel
WP - P0019	HV - P952E	Plug	V405	DF	100	Exposed	115	Limit Switch - Open
WP - P0019	HV - P952H	Ball	V304	DF	15	Exposed	115	
WP - P0019	HV - P952I	Ball	V304	DF	15	Exposed	115	
WP - P0019	CV - P960A	Duckbill	V694	OV	300	Exposed	1.75 m	
WP - P0019	HV - P960B	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P960C	Ball	V331	DF	75	Exposed	115	
WP - P0019	HV - P960D	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P960E	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P960F	Ball	V300	PSW	25	Exposed	560	
WP - P0019	HV - P960G	Ball	V307	DF	50	Exposed	115	Associated with PIT
WP - P0019	HV - P960H	Ball	V307	DF	50	Exposed	115	Associated with PIT
WP - P0019	HV - P961A	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P961B	Ball	V300	PSW	25	Exposed	560	
WP - P0019	HV - P961C	Ball	V304	DF	15	Exposed	115	
WP - P0019	CV - P961D	Check	V617	DF	100	Exposed	115	Stainless Steel
WP - P0019	HV - P961E	Plug	V405	DF	100	Exposed	115	c/w Limit Switch - Open
WP - P0019	HV - P961F	Plug	V405	DF	100	Exposed	115	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WP - P0019	HV - P961G	Ball	V300	PSW	25	Exposed	560	
WP - P0019	HV - P961H	Ball	V304	DF	15	Exposed	115	
WP - P0019	HV - P961I	Ball	V304	DF	15	Exposed	115	
WP - P0019	HV - P961J	Ball	V304	DF	50	Exposed	115	Addendum 6
WP - P0019	HV - P962A	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P962B	Ball	V300	PSW	25	Exposed	560	
WP - P0019	HV - P962C	Ball	V304	DF	15	Exposed	115	
WP - P0019	CV - P962D	Check	V617	DF	100	Exposed	115	Stainless Steel
WP - P0019	HV - P962E	Plug	V405	DF	100	Exposed	115	c/w Limit Switch - Open
WP - P0019	HV - P962H	Ball	V304	DF	15	Exposed	115	
WP - P0019	HV - P962I	Ball	V304	DF	15	Exposed	115	
WP - P0019	HV - P962J	Ball	V304	DF	50	Exposed	115	Addendum 6
WP - P0019	HV - P993A	Plug	V405	DF	100	Exposed	115	
WP - P0019	HV - P995A	Plug	V405	DF	100	Exposed	115	
WP - P0020	CV - P981A	Check	V614	DRN	100	Exposed	60	
WP - P0020	HV - P981A	Butterfly	V500	DRN	100	Exposed	60	
WP - P0020	CV - P982A	Check	V614	DRN	300	Exposed	60	
WP - P0020	HV - P982A	Butterfly	V500	DRN	300	Exposed	60	
WP - P0020	CV - P983A	Check	V614	DRN	300	Exposed	60	
WP - P0020	HV - P983A	Butterfly	V500	DRN	300	Exposed	60	
WP - P0020	ARV - P986A	Air/Vacuum Rel.	V740	DRN	50	Exposed	60	
WP - P0020	HV - P986A	Ball	V306	DRN	50	Exposed	60	
WP - P0020	HV - P986B	Ball	V306	DRN	50	Exposed	60	
Ozone Area								
WO - P0003	HV - O030A	Ball	V302	GOX	50	Exposed	500	Addendum 8
WO - P0003	HV - O030B	Ball	V302	GOX	50	Exposed	500	Addendum 8
WO - P0003	HV - O031A	Ball	V302	GOX	50	Exposed	500	Addendum 8
WO - P0003	HV - O031B	Ball	V302	GOX	50	Exposed	500	Addendum 8
WO - P0003	HV - O032A	Ball	V302	GOX	50	Exposed	500	Addendum 8
WO - P0003	HV - O032B	Butterfly	V502	GOX	75	Exposed	500	Addendum 8
WO - P0003	HV - O032C	Butterfly	V502	GOX	75	Exposed	500	Addendum 8
WO - P0003	HV - O119A	Butterfly	V502	GOX	75	Exposed	500	Addendum 8
WO - P0003	HV - O139A	Ball	V302	GOX	50	Exposed	500	Addendum 8
WO - P0003	HV - O159A	Butterfly	V502	GOX	75	Exposed	500	Addendum 8
WO - P0008	HV - O201A	Ball	V307	OZO	50	Exposed	170	
WO - P0008	HV - O201B	Ball	V307	OZO	50	Exposed	170	
WO - P0008	HV - O202A	Ball	V307	OZO	50	Exposed	170	
WO - P0008	HV - O202B	Ball	V307	OZO	50	Exposed	170	
WO - P0008	HV - O216A	Ball	V307	OZO	38	Exposed	170	
WO - P0008	HV - O216B	Ball	V307	OZO	38	Exposed	170	
WO - P0008	HV - O217A	Ball	V307	OZO	50	Exposed	170	
WO - P0008	HV - O217B	Ball	V307	OZO	50	Exposed	170	
WO - P0008	HV - O218A	Ball	V307	OZO	38	Exposed	170	
WO - P0008	HV - O218B	Ball	V307	OZO	38	Exposed	170	
WO - P0009	HV - O236A	Ball	V307	OZO	38	Exposed	170	
WO - P0009	HV - O236B	Ball	V307	OZO	38	Exposed	170	
WO - P0009	HV - O237A	Ball	V307	OZO	50	Exposed	170	
WO - P0009	HV - O237B	Ball	V307	OZO	50	Exposed	170	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WO - P0009	HV - O238A	Ball	V307	OZO	38	Exposed	170	
WO - P0009	HV - O238B	Ball	V307	OZO	38	Exposed	170	
WO - P0010	HV - O210A	Ball	V307	OZW	25	Exposed	170	
WO - P0010	HV - O210B	Ball	V307	OZW	25	Exposed	170	
WO - P0010	HV - O210C	Ball	V307	OZW	25	Exposed	170	
WO - P0010	HV - O210D	Ball	V307	OZW	25	Exposed	170	
WO - P0010	HV - O210E	Ball	V307	OZW	25	Exposed	170	
WO - P0010	HV - O210F	Ball	V307	OZW	25	Exposed	170	
WO - P0010	HV - O210G	Ball	V307	OZW	25	Exposed	170	
WO - P0010	HV - O210H	Ball	V307	OZW	25	Exposed	170	
WO - P0010	HV - O212A	Butterfly	V500	CWR	150	Exposed	170	Addendum 7
WO - P0010	HV - O232A	Butterfly	V500	CWR	150	Exposed	170	Addendum 7
WO - P0010	BPV - C061A	Back Pressure Valve	V719	PLS	25	Exposed	560	
WO - P0010	BPV - C061B	Back Pressure Valve	V719	PLS	25	Exposed	560	
WO - P0010	CV - C061C	Check	V602	PLS	25	Exposed	560	
WO - P0010	CV - C061D	Check	V602	PLS	25	Exposed	560	
WO - P0010	HV - C061N	Ball	V330	PLS	25	Exposed	560	
WO - P0010	HV - C061O	Ball	V330	PLS	25	Exposed	560	
WO - P0010	HV - C061P	Ball	V330	PLS	25	Exposed	560	
WO - P0010	HV - C061Q	Ball	V330	PLS	25	Exposed	560	
WO - P0010	HV - C061R	Ball	V330	PLS	25	Exposed	560	
WO - P0010	HV - C061S	Ball	V330	PLS	25	Exposed	560	
WO - P0010	BPV - C840A	Back Pressure Valve	V717	HP	12	Exposed	560	
WO - P0010	BPV - C840B	Back Pressure Valve	V717	HP	12	Exposed	560	
WO - P0010	BPV - C840C	Back Pressure Valve	V717	HP	12	Exposed	560	
WO - P0010	CV - C840C	Check	V619	HP	25	Exposed	560	
WO - P0010	BPV - C840D	Back Pressure Valve	V717	HP	12	Exposed	560	
WO - P0010	CV - C840D	Check	V619	HP	25	Exposed	560	
WO - P0010	CV - C840E	Check	V619	HP	25	Exposed	560	
WO - P0010	CV - C840F	Check	V619	HP	25	Exposed	560	
WO - P0010	HV - C840L	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840M	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840N	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840O	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840P	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840Q	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840R	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840S	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840T	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840U	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840V	Ball	V309	HP	25	Exposed	560	
WO - P0010	HV - C840W	Ball	V309	HP	25	Exposed	560	
WO - P0010	BPV - C960A	Back Pressure Valve	V718	SBS	50	Exposed	560	
WO - P0010	BPV - C960B	Back Pressure Valve	V718	SBS	50	Exposed	560	
WO - P0010	CV - C960C	Check	V618	SBS	25	Exposed	560	
WO - P0010	CV - C960D	Check	V618	SBS	25	Exposed	560	
WO - P0010	HV - C960L	Ball	V308	SBS	25	Exposed	560	
WO - P0010	HV - C960M	Ball	V308	SBS	25	Exposed	560	
WO - P0010	HV - C960P	Ball	V308	SBS	25	Exposed	560	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WO - P0010	HV - C960Q	Ball	V308	SBS	25	Exposed	560	
WO - P0010	HV - C960R	Ball	V308	SBS	25	Exposed	560	
WO - P0010	HV - C960S	Ball	V308	SBS	25	Exposed	560	Supplied with Instrument Package
WO - P0010	CV - O211A	Check	V614	DRN	150	Exposed	170	
WO - P0010	HV - O211A	Butterfly	V500	DRN	150	Exposed	170	
WO - P0010	CV - O224A	Check	V600	OZW	25	Exposed	170	
WO - P0011	HV - O230A	Ball	V307	OZW	25	Exposed	170	
WO - P0011	HV - O230B	Ball	V307	OZW	25	Exposed	170	
WO - P0011	HV - O230C	Ball	V307	OZW	25	Exposed	170	
WO - P0011	HV - O230D	Ball	V307	OZW	25	Exposed	170	
WO - P0011	HV - O230E	Ball	V307	OZW	25	Exposed	170	
WO - P0011	HV - O230F	Ball	V307	OZW	25	Exposed	170	
WO - P0011	HV - O230G	Ball	V307	OZW	25	Exposed	170	
WO - P0011	HV - O230H	Ball	V307	OZW	25	Exposed	170	
WO - P0011	BPV - C062A	Back Pressure Valve	V719	PLS	25	Exposed	560	
WO - P0011	BPV - C062B	Back Pressure Valve	V719	PLS	25	Exposed	560	
WO - P0011	CV - C062C	Check	V602	PLS	25	Exposed	560	
WO - P0011	CV - C062D	Check	V602	PLS	25	Exposed	560	
WO - P0011	HV - C062N	Ball	V330	PLS	25	Exposed	560	
WO - P0011	HV - C062O	Ball	V330	PLS	25	Exposed	560	
WO - P0011	HV - C062P	Ball	V330	PLS	25	Exposed	560	
WO - P0011	HV - C062Q	Ball	V330	PLS	25	Exposed	560	
WO - P0011	HV - C062R	Ball	V330	PLS	25	Exposed	560	
WO - P0011	HV - C062S	Ball	V330	PLS	25	Exposed	560	
WO - P0011	BPV - C850A	Back Pressure Valve	V717	HP	12	Exposed	560	
WO - P0011	BPV - C850B	Back Pressure Valve	V717	HP	12	Exposed	560	
WO - P0011	BPV - C850C	Back Pressure Valve	V717	HP	12	Exposed	560	
WO - P0011	CV - C850C	Check	V619	HP	25	Exposed	560	
WO - P0011	BPV - C850D	Back Pressure Valve	V717	HP	12	Exposed	560	
WO - P0011	CV - C850D	Check	V619	HP	25	Exposed	560	
WO - P0011	CV - C850E	Check	V619	HP	25	Exposed	560	
WO - P0011	CV - C850F	Check	V619	HP	25	Exposed	560	
WO - P0011	HV - C850L	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850M	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850N	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850O	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850P	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850Q	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850R	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850S	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850T	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850U	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850V	Ball	V309	HP	25	Exposed	560	
WO - P0011	HV - C850W	Ball	V309	HP	25	Exposed	560	
WO - P0011	BPV - C970A	Back Pressure Valve	V718	SBS	50	Exposed	560	
WO - P0011	BPV - C970B	Back Pressure Valve	V718	SBS	50	Exposed	560	
WO - P0011	CV - C970C	Check	V618	SBS	25	Exposed	560	
WO - P0011	CV - C970D	Check	V618	SBS	25	Exposed	560	
WO - P0011	HV - C970L	Ball	V308	SBS	25	Exposed	560	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WO - P0011	HV - C970M	Ball	V308	SBS	25	Exposed	560	
WO - P0011	HV - C970P	Ball	V308	SBS	25	Exposed	560	
WO - P0011	HV - C970Q	Ball	V308	SBS	25	Exposed	560	
WO - P0011	HV - C970R	Ball	V308	SBS	25	Exposed	560	
WO - P0011	HV - C970S	Ball	V308	SBS	25	Exposed	560	
WO - P0011	HV - O231A	Butterfly	V500	DRN	150	Exposed	170	
WO - P0011	CV - O244A	Check	V600	OZW	25	Exposed	170	
WO - P0012	HV - O501A	Ball	V307	OZG	12	Exposed	170	
WO - P0012	HV - O501B	Ball	V307	OZG	12	Exposed	170	
WO - P0012	HV - O501C	Ball	V307	OZG	12	Exposed	170	
WO - P0012	HV - O501D	Ball	V307	OZG	75	Exposed	170	
WO - P0012	HV - O501E	Butterfly	V512	OZG	75	Exposed	170	
WO - P0012	HV - O501F	Ball	V307	OZG	75	Exposed	170	
WO - P0014	HV - O505A	Ball	V307	OZG	12	Exposed	170	
WO - P0014	HV - O505B	Ball	V307	OZG	12	Exposed	170	
WO - P0014	HV - O505C	Ball	V307	OZG	12	Exposed	170	
WO - P0014	HV - O505D	Ball	V307	OZG	75	Exposed	170	
WO - P0014	HV - O505E	Butterfly	V512	OZG	75	Exposed	170	
WO - P0014	HV - O505F	Ball	V307	OZG	75	Exposed	170	
WO - P0015	CV - O401A	Check	V614	CWS	75	Exposed	190	
WO - P0015	HV - O401A	Butterfly	V512	CWS	75	Exposed	190	
WO - P0015	HV - O401B	Butterfly	V512	CWS	75	Exposed	190	
WO - P0015	CV - O402A	Check	V614	CWS	75	Exposed	190	
WO - P0015	HV - O402A	Butterfly	V512	CWS	75	Exposed	190	
WO - P0015	HV - O402B	Butterfly	V512	CWS	75	Exposed	190	
WO - P0015	CV - O403A	Check	V614	CWS	75	Exposed	190	
WO - P0015	HV - O403A	Butterfly	V512	CWS	75	Exposed	190	
WO - P0015	HV - O403B	Butterfly	V512	CWS	75	Exposed	190	
WO - P0015	HV - O404A	Ball	V307	CWS	12	Exposed	170	
WO - P0022	HV - O220A	Ball	V307	OZW	25	Exposed	170	
WO - P0022	HV - O225A	Ball	V307	OZW	25	Exposed	170	
WO - P0023	HV - O240A	Ball	V307	OZW	25	Exposed	170	
WO - P0023	HV - O245A	Ball	V307	OZW	25	Exposed	170	
Filtration Area								
WF - P0001	HV - F100A	Ball	V307	FIN	12	Exposed	170	
WF - P0001	HV - F100B	Ball	V307	FIN	12	Exposed	170	
WF - P0001	HV - F100C	Ball	V307	FW	12	Exposed	170	
WF - P0001	HV - F100D	Ball	V307	FW	12	Exposed	170	
WF - P0001	HV - F100E	Ball	V307	FIN	12	Exposed	170	
WF - P0001	HV - F100F	Ball	V307	FIN	12	Exposed	170	
WF - P0001	HV - F100G	Ball	V307	FW	12	Exposed	170	
WF - P0001	HV - F100H	Ball	V307	FW	12	Exposed	170	
WF - P0001	HV - F100J	Ball	V307	FIN	12	Exposed	170	
WF - P0001	HV - F100K	Ball	V307	FIN	12	Exposed	170	
WF - P0001	HV - F100L	Ball	V307	FW	12	Exposed	170	
WF - P0001	HV - F100M	Ball	V307	FW	12	Exposed	170	
WF - P0001	HV - F100N	Butterfly	V500	FW	75	Exposed	170	
WF - P0001	HV - F100P	Butterfly	V500	DRN	75	Exposed	170	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WF - P0001	HV - F103A	Ball	V308	FW	50	Exposed	170	
WF - P0001	HV - F107A	Ball	V308	AS	50	Exposed	170	
WF - P0001	HV - F108A	Butterfly	V500	FED	100	Exposed	170	
WF - P0001	HV - F110A	Ball	V304	FW	12	Exposed	170	
WF - P0001	HV - F110C	Ball	V304	FW	12	Exposed	170	
WF - P0001	HV - F110D	Ball	V304	FW	12	Exposed	170	
WF - P0001	HV - F110E	Ball	V304	FW	12	Exposed	170	
WF - P0001	HV - F110F	Ball	V304	FW	12	Exposed	170	
WF - P0001	HV - F110G	Ball	V304	FW	12	Exposed	170	
WF - P0002	HV - F200A	Ball	V307	FIN	12	Exposed	170	
WF - P0002	HV - F200B	Ball	V307	FIN	12	Exposed	170	
WF - P0002	HV - F200C	Ball	V307	FW	12	Exposed	170	
WF - P0002	HV - F200D	Ball	V307	FW	12	Exposed	170	
WF - P0002	HV - F200E	Ball	V307	FW	12	Exposed	170	
WF - P0002	HV - F200H	Ball	V307	FW	12	Exposed	170	
WF - P0002	HV - F200J	Ball	V307	FW	12	Exposed	170	
WF - P0002	HV - F200M	Ball	V307	FW	12	Exposed	170	
WF - P0002	HV - F200N	Butterfly	V500	FW	75	Exposed	170	
WF - P0002	HV - F200P	Butterfly	V500	DRN	75	Exposed	170	
WF - P0002	HV - F203A	Ball	V308	FW	50	Exposed	170	
WF - P0002	HV - F207A	Ball	V308	AS	50	Exposed	170	
WF - P0002	HV - F208A	Butterfly	V500	FED	100	Exposed	170	
WF - P0002	HV - F210A	Ball	V304	FW	12	Exposed	170	
WF - P0002	HV - F210C	Ball	V304	FW	12	Exposed	170	
WF - P0002	HV - F210D	Ball	V304	FW	12	Exposed	170	
WF - P0002	HV - F210E	Ball	V304	FW	12	Exposed	170	
WF - P0002	HV - F210F	Ball	V304	FW	12	Exposed	170	
WF - P0002	HV - F210G	Ball	V304	FW	12	Exposed	170	
WF - P0003	HV - F300A	Ball	V307	FIN	12	Exposed	170	
WF - P0003	HV - F300B	Ball	V307	FIN	12	Exposed	170	
WF - P0003	HV - F300C	Ball	V307	FW	12	Exposed	170	
WF - P0003	HV - F300D	Ball	V307	FW	12	Exposed	170	
WF - P0003	HV - F300E	Ball	V307	FW	12	Exposed	170	
WF - P0003	HV - F300H	Ball	V307	FW	12	Exposed	170	
WF - P0003	HV - F300J	Ball	V307	FW	12	Exposed	170	
WF - P0003	HV - F300M	Ball	V307	FW	12	Exposed	170	
WF - P0003	HV - F300N	Butterfly	V500	FW	75	Exposed	170	
WF - P0003	HV - F300P	Butterfly	V500	DRN	75	Exposed	170	
WF - P0003	HV - F303A	Ball	V308	FW	50	Exposed	170	
WF - P0003	HV - F307A	Ball	V308	AS	50	Exposed	170	
WF - P0003	HV - F308A	Butterfly	V500	FED	100	Exposed	170	
WF - P0003	HV - F310A	Ball	V304	FW	12	Exposed	170	
WF - P0003	HV - F310C	Ball	V304	FW	12	Exposed	170	
WF - P0003	HV - F310D	Ball	V304	FW	12	Exposed	170	
WF - P0003	HV - F310E	Ball	V304	FW	12	Exposed	170	
WF - P0003	HV - F310F	Ball	V304	FW	12	Exposed	170	
WF - P0003	HV - F310G	Ball	V304	FW	12	Exposed	170	
WF - P0004	HV - F400A	Ball	V307	FIN	12	Exposed	170	
WF - P0004	HV - F400B	Ball	V307	FIN	12	Exposed	170	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WF - P0004	HV - F400C	Ball	V307	FW	12	Exposed	170	
WF - P0004	HV - F400D	Ball	V307	FW	12	Exposed	170	
WF - P0004	HV - F400E	Ball	V307	FW	12	Exposed	170	
WF - P0004	HV - F400H	Ball	V307	FW	12	Exposed	170	
WF - P0004	HV - F400J	Ball	V307	FW	12	Exposed	170	
WF - P0004	HV - F400M	Ball	V307	FW	12	Exposed	170	
WF - P0004	HV - F400N	Butterfly	V500	FW	75	Exposed	170	
WF - P0004	HV - F400P	Butterfly	V500	DRN	75	Exposed	170	
WF - P0004	HV - F403A	Ball	V308	FW	50	Exposed	170	
WF - P0004	HV - F407A	Ball	V308	AS	50	Exposed	170	
WF - P0004	HV - F408A	Butterfly	V500	FED	100	Exposed	170	
WF - P0004	HV - F410A	Ball	V304	FW	12	Exposed	170	
WF - P0004	HV - F410C	Ball	V304	FW	12	Exposed	170	
WF - P0004	HV - F410D	Ball	V304	FW	12	Exposed	170	
WF - P0004	HV - F410E	Ball	V304	FW	12	Exposed	170	
WF - P0004	HV - F410F	Ball	V304	FW	12	Exposed	170	
WF - P0004	HV - F410G	Ball	V304	FW	12	Exposed	170	
WF - P0005	HV - F500A	Ball	V307	FIN	12	Exposed	170	
WF - P0005	HV - F500B	Ball	V307	FIN	12	Exposed	170	
WF - P0005	HV - F500C	Ball	V307	FW	12	Exposed	170	
WF - P0005	HV - F500D	Ball	V307	FW	12	Exposed	170	
WF - P0005	HV - F500E	Ball	V307	FW	12	Exposed	170	
WF - P0005	HV - F500H	Ball	V307	FW	12	Exposed	170	
WF - P0005	HV - F500J	Ball	V307	FW	12	Exposed	170	
WF - P0005	HV - F500M	Ball	V307	FW	12	Exposed	170	
WF - P0005	HV - F500N	Butterfly	V500	FW	75	Exposed	170	
WF - P0005	HV - F500P	Butterfly	V500	DRN	75	Exposed	170	
WF - P0005	HV - F503A	Ball	V308	FW	50	Exposed	170	
WF - P0005	HV - F507A	Ball	V308	AS	50	Exposed	170	
WF - P0005	HV - F508A	Butterfly	V500	FED	100	Exposed	170	
WF - P0005	HV - F510A	Ball	V304	FW	12	Exposed	170	
WF - P0005	HV - F510C	Ball	V304	FW	12	Exposed	170	
WF - P0005	HV - F510D	Ball	V304	FW	12	Exposed	170	
WF - P0005	HV - F510E	Ball	V304	FW	12	Exposed	170	
WF - P0005	HV - F510F	Ball	V304	FW	12	Exposed	170	
WF - P0005	HV - F510G	Ball	V304	FW	12	Exposed	170	
WF - P0006	HV - F600A	Ball	V307	FIN	12	Exposed	170	
WF - P0006	HV - F600B	Ball	V307	FIN	12	Exposed	170	
WF - P0006	HV - F600C	Ball	V307	FW	12	Exposed	170	
WF - P0006	HV - F600D	Ball	V307	FW	12	Exposed	170	
WF - P0006	HV - F600E	Ball	V307	FW	12	Exposed	170	
WF - P0006	HV - F600H	Ball	V307	FW	12	Exposed	170	
WF - P0006	HV - F600J	Ball	V307	FW	12	Exposed	170	
WF - P0006	HV - F600M	Ball	V307	FW	12	Exposed	170	
WF - P0006	HV - F600N	Butterfly	V500	FW	75	Exposed	170	
WF - P0006	HV - F600P	Butterfly	V500	DRN	75	Exposed	170	
WF - P0006	HV - F603A	Ball	V308	FW	50	Exposed	170	
WF - P0006	HV - F607A	Ball	V308	AS	50	Exposed	170	
WF - P0006	HV - F608A	Butterfly	V500	FED	100	Exposed	170	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WF - P0006	HV - F610A	Ball	V304	FW	12	Exposed	170	
WF - P0006	HV - F610C	Ball	V304	FW	12	Exposed	170	
WF - P0006	HV - F610D	Ball	V304	FW	12	Exposed	170	
WF - P0006	HV - F610E	Ball	V304	FW	12	Exposed	170	
WF - P0006	HV - F610F	Ball	V304	FW	12	Exposed	170	
WF - P0006	HV - F610G	Ball	V304	FW	12	Exposed	170	
WF - P0007	HV - F700A	Ball	V307	FIN	12	Exposed	170	
WF - P0007	HV - F700B	Ball	V307	FIN	12	Exposed	170	
WF - P0007	HV - F700C	Ball	V307	FW	12	Exposed	170	
WF - P0007	HV - F700D	Ball	V307	FW	12	Exposed	170	
WF - P0007	HV - F700E	Ball	V307	FW	12	Exposed	170	
WF - P0007	HV - F700H	Ball	V307	FW	12	Exposed	170	
WF - P0007	HV - F700J	Ball	V307	FW	12	Exposed	170	
WF - P0007	HV - F700M	Ball	V307	FW	12	Exposed	170	
WF - P0007	HV - F700N	Butterfly	V500	FW	75	Exposed	170	
WF - P0007	HV - F700P	Butterfly	V500	DRN	75	Exposed	170	
WF - P0007	HV - F703A	Ball	V308	FW	50	Exposed	170	
WF - P0007	HV - F707A	Ball	V308	AS	50	Exposed	170	
WF - P0007	HV - F708A	Butterfly	V500	FED	100	Exposed	170	
WF - P0007	HV - F710A	Ball	V304	FW	12	Exposed	170	
WF - P0007	HV - F710C	Ball	V304	FW	12	Exposed	170	
WF - P0007	HV - F710D	Ball	V304	FW	12	Exposed	170	
WF - P0007	HV - F710E	Ball	V304	FW	12	Exposed	170	
WF - P0007	HV - F710F	Ball	V304	FW	12	Exposed	170	
WF - P0007	HV - F710G	Ball	V304	FW	12	Exposed	170	
WF - P0008	HV - F800A	Ball	V307	FIN	12	Exposed	170	
WF - P0008	HV - F800B	Ball	V307	FIN	12	Exposed	170	
WF - P0008	HV - F800C	Ball	V307	FW	12	Exposed	170	
WF - P0008	HV - F800D	Ball	V307	FW	12	Exposed	170	
WF - P0008	HV - F800E	Ball	V307	FIN	12	Exposed	170	
WF - P0008	HV - F800F	Ball	V307	FIN	12	Exposed	170	
WF - P0008	HV - F800G	Ball	V307	FW	12	Exposed	170	
WF - P0008	HV - F800H	Ball	V307	FW	12	Exposed	170	
WF - P0008	HV - F800J	Ball	V307	FIN	12	Exposed	170	
WF - P0008	HV - F800K	Ball	V307	FIN	12	Exposed	170	
WF - P0008	HV - F800L	Ball	V307	FW	12	Exposed	170	
WF - P0008	HV - F800M	Ball	V307	FW	12	Exposed	170	
WF - P0008	HV - F800N	Butterfly	V500	FW	75	Exposed	170	
WF - P0008	HV - F800P	Butterfly	V500	DRN	75	Exposed	170	
WF - P0008	HV - F803A	Ball	V308	FW	50	Exposed	170	
WF - P0008	HV - F807A	Ball	V308	AS	50	Exposed	170	
WF - P0008	HV - F808A	Butterfly	V500	FED	100	Exposed	170	
WF - P0008	HV - F810A	Ball	V304	FW	12	Exposed	170	
WF - P0008	HV - F810C	Ball	V304	FW	12	Exposed	170	
WF - P0008	HV - F810D	Ball	V304	FW	12	Exposed	170	
WF - P0008	HV - F810E	Ball	V304	FW	12	Exposed	170	
WF - P0008	HV - F810F	Ball	V304	FW	12	Exposed	170	
WF - P0008	HV - F810G	Ball	V304	FW	12	Exposed	170	
WF - P0009	HV - F910A	Butterfly	V500	DRN	75	Exposed	170	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WF - P0009	HV - F910B	Ball	V308	BWS	50	Exposed	170	
WF - P0009	HV - F910C	Ball	V308	BWS	50	Exposed	170	
WF - P0009	ARV - F911A	Air Release	V740	VTA	75	Exposed	170	
WF - P0009	CV - F911A	Check	V612	BWS	750	Exposed	170	
WF - P0009	HV - F911A	Ball	V308	DRN	50	Exposed	170	
WF - P0009	HV - F911B	Ball	V308	DRN	50	Exposed	170	
WF - P0009	HV - F911C	Ball	V308	VTA	75	Exposed	170	
WF - P0009	HV - F911D	Ball	V304	BWS	12	Exposed	170	
WF - P0009	HV - F911E	Ball	V304	BWS	12	Exposed	170	
WF - P0009	HV - F911F	Ball	V304	BWS	12	Exposed	170	
WF - P0009	HV - F911G	Ball	V304	BWS	12	Exposed	170	
WF - P0009	HV - F912A	Ball	V308	DRN	50	Exposed	170	
WF - P0009	HV - F913A	Ball	V308	DRN	50	Exposed	170	
WF - P0009	HV - F920A	Butterfly	V500	DRN	75	Exposed	170	
WF - P0009	HV - F920B	Ball	V308	BWS	50	Exposed	170	
WF - P0009	HV - F920C	Ball	V308	BWS	50	Exposed	170	
WF - P0009	ARV - F921A	Air Release	V740	VTA	75	Exposed	170	
WF - P0009	CV - F921A	Check	V612	BWS	750	Exposed	170	
WF - P0009	HV - F921A	Ball	V308	DRN	50	Exposed	170	
WF - P0009	HV - F921B	Ball	V308	DRN	50	Exposed	170	
WF - P0009	HV - F921C	Ball	V308	VTA	75	Exposed	170	
WF - P0009	HV - F921D	Ball	V304	BWS	12	Exposed	170	
WF - P0009	HV - F921E	Ball	V304	BWS	12	Exposed	170	
WF - P0009	HV - F921F	Ball	V304	BWS	12	Exposed	170	
WF - P0009	HV - F921G	Ball	V304	BWS	12	Exposed	170	
WF - P0009	HV - F922A	Ball	V308	DRN	50	Exposed	170	
WF - P0009	HV - F923A	Ball	V308	DRN	50	Exposed	170	
WF - P0009	ARV - F931A	Air Release	V740	VTA	75	Exposed	170	
WF - P0009	HV - F931A	Ball	V308	VTA	75	Exposed	170	
WF - P0009	ARV - F931B	Air Release	V740	VTA	75	Exposed	170	
WF - P0009	HV - F931B	Ball	V308	VTA	75	Exposed	170	
WF - P0009	BPV - J991A	Back Pressure Valve	V719	HYP	25	Exposed	560	
WF - P0009	FV - J991A	Globe	V204	HYP	25	Exposed	560	
WF - P0009	HV - J991A	Ball	V330	HYP	25	Exposed	560	
WF - P0009	HV - J991A	Ball	V330	HYP	25	Exposed	170	
WF - P0009	HV - J991B	Ball	V330	HYP	25	Exposed	560	c/w operating nut and key, Epoxy coat
WF - P0009	HV - J991B	Ball	V330	HYP	25	Exposed	170	c/w operating nut and key, Epoxy coat
WF - P0009	CV - J991C	Check	V602	HYP	25	Exposed	560	
WF - P0009	CV - J991C	Check	V602	HYP	25	Exposed	170	
WF - P0009	HV - J991C	Ball	V330	HYP	25	Exposed	560	
WF - P0009	HV - J991C	Ball	V330	HYP	25	Exposed	170	
WF - P0009	HV - J991D	Ball	V330	HYP	25	Exposed	560	Size valve to allow chemical injection piping to pass thru
WF - P0009	HV - J991D	Ball	V330	HYP	25	Exposed	170	
WF - P0009	HV - J991E	Ball	V330	HYP	25	Exposed	560	
WF - P0009	HV - J991E	Ball	V330	HYP	25	Exposed	170	
WF - P0009	HV - J991F	Ball	V330	HYP	25	Exposed	560	
WF - P0009	BPV - J992A	Back Pressure Valve	V718	HYP	25	Exposed	560	
WF - P0009	FV - J992A	Globe	V204	HYP	25	Exposed	560	
WF - P0009	HV - J992A	Ball	V330	HYP	25	Exposed	560	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WF - P0009	HV - J992A	Ball	V330	HYP	25	Exposed	170	
WF - P0009	HV - J992B	Ball	V330	HYP	25	Exposed	560	
WF - P0009	HV - J992B	Ball	V330	HYP	25	Exposed	170	
WF - P0009	CV - J992C	Check	V602	HYP	25	Exposed	560	
WF - P0009	CV - J992C	Check	V602	HYP	25	Exposed	170	
WF - P0009	HV - J992C	Ball	V330	HYP	25	Exposed	560	
WF - P0009	HV - J992C	Ball	V330	HYP	25	Exposed	170	
WF - P0009	HV - J992D	Ball	V330	HYP	25	Exposed	560	Size valve to allow chemical injection piping to pass thru
WF - P0009	HV - J992D	Ball	V330	HYP	25	Exposed	170	
WF - P0009	HV - J992E	Ball	V330	HYP	25	Exposed	560	could submerge, epoxy coat, op. nut/key
WF - P0009	HV - J992E	Ball	V330	HYP	25	Exposed	170	could submerge, epoxy coat, op. nut/key
WF - P0009	HV - J992F	Ball	V330	HYP	25	Exposed	560	
WF - P0009	HV - J993B	Ball	V330	HYP	25	Exposed	560	could submerge, epoxy coat, op. nut/key
WF - P0009	HV - J993B	Ball	V330	HYP	25	Exposed	170	could submerge, epoxy coat, op. nut/key
WF - P0009	CV - J993C	Check	V602	HYP	25	Exposed	560	Could submerge, epoxy coat, op. nut/key
WF - P0009	CV - J993C	Check	V602	HYP	25	Exposed	170	Could submerge, epoxy coat, op. nut/key
WF - P0009	HV - J993C	Ball	V330	HYP	25	Exposed	560	Sinking, Poss. Submerged, Epoxy coat
WF - P0009	HV - J993C	Ball	V330	HYP	25	Exposed	170	Sinking, Poss. Submerged, Epoxy coat
WF - P0009	HV - J993D	Ball	V330	HYP	25	Exposed	560	Size valve to allow chemical injection piping to pass thru, Sinking, Poss. Submerged, Epoxy coat
WF - P0009	HV - J993D	Ball	V330	HYP	25	Exposed	170	Sinking, Poss. Submerged, Epoxy coat
WF - P0009	HV - J993E	Ball	V330	HYP	25	Exposed	560	Potential for Submergence, Epoxy coat
WF - P0009	HV - J993E	Ball	V330	HYP	25	Exposed	170	Potential for Submergence, Epoxy coat
WF - P0009	HV - J994B	Ball	V330	HYP	25	Exposed	560	Potential for Submergence, Epoxy coat
WF - P0009	HV - J994B	Ball	V330	HYP	25	Exposed	170	Potential for Submergence, Epoxy coat
WF - P0009	CV - J994C	Check	V602	HYP	25	Exposed	560	Potential for Submergence, Epoxy coat
WF - P0009	CV - J994C	Check	V602	HYP	25	Exposed	170	Potential for Submergence, Epoxy coat
WF - P0009	HV - J994C	Ball	V330	HYP	25	Exposed	560	Sinking, Poss. Submerged, Epoxy coat
WF - P0009	HV - J994C	Ball	V330	HYP	25	Exposed	170	Sinking, Poss. Submerged, Epoxy coat
WF - P0009	HV - J994D	Ball	V330	HYP	25	Exposed	560	Size valve to allow chemical injection piping to pass thru, Sinking, Poss. Submerged, Epoxy coat
WF - P0009	HV - J994D	Ball	V330	HYP	25	Exposed	170	Sinking, Poss. Submerged, Epoxy coat
WF - P0009	HV - J994E	Ball	V330	HYP	25	Exposed	560	Supplied with Instrument Package
WF - P0009	HV - J994E	Ball	V330	HYP	25	Exposed	170	Supplied with Instrument Package
WF - P0010	CV - F010A	Check	V617	AS	350	Exposed	170	
WF - P0010	HV - F010A	Butterfly	V511	AS	300	Exposed	170	
WF - P0010	HV - F010B	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F010C	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F010D	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F010E	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F010F	Ball	V307	AS	12	Exposed	170	
WF - P0010	CV - F020A	Check	V617	AS	350	Exposed	170	
WF - P0010	HV - F020A	Butterfly	V511	AS	300	Exposed	170	
WF - P0010	HV - F020B	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F020C	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F020D	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F020E	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F020F	Ball	V307	AS	12	Exposed	170	
WF - P0010	HV - F107B	Butterfly	V511	AS	300	Exposed	170	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WF - P0010	HV - F207B	Butterfly	V511	AS	300	Exposed	170	
WF - P0010	HV - F307B	Butterfly	V511	AS	300	Exposed	170	
WF - P0010	HV - F407B	Butterfly	V511	AS	300	Exposed	170	
WF - P0010	HV - F507B	Butterfly	V511	AS	300	Exposed	170	
WF - P0010	HV - F607B	Butterfly	V511	AS	300	Exposed	170	
WF - P0010	HV - F707B	Butterfly	V511	AS	300	Exposed	170	
WF - P0010	HV - F807B	Butterfly	V511	AS	300	Exposed	170	
WF - P0011	HV - F051B	Ball	V331	FW	75	Exposed	170	
WF - P0011	HV - F051C	Ball	V330	FW	50	Exposed	170	
WF - P0011	HV - F052B	Ball	V331	FW	75	Exposed	170	
WF - P0011	HV - F052C	Ball	V330	FW	50	Exposed	170	
WF - P0011	HV - F056A	Ball	V304	FW	25	Exposed	170	
WF - P0011	HV - F056B	Ball	V304	FW	25	Exposed	170	
WF - P0011	HV - J700C	Ball	V330	HYP	50	Exposed	560	
WF - P0011	CV - J700A	Check	V602	HYP	50	Exposed	560	
WF - P0011	HV - C700L	Ball	V330	HYP	25	Exposed	560	
WF - P0011	BPV - J700A	Back Pressure Valve	V719	HYP	50	Exposed	560	
WF - P0011	HV - J700A	Ball	V330	HYP	50	Exposed	560	
WF - P0011	HV - J700D	Ball	V330	HYP	50	Exposed	560	
WF - P0011	CV - J700B	Check	V602	HYP	50	Exposed	560	
WF - P0011	HV - C700M	Ball	V330	HYP	25	Exposed	560	
WF - P0011	BPV - J700B	Back Pressure Valve	V719	HYP	50	Exposed	560	
WF - P0011	HV - J700B	Ball	V330	HYP	50	Exposed	560	
WF - P0012	HV - F055A	Butterfly	V500	DRN	150	Exposed	170	
WF - P0012	HV - F055B	Butterfly	V500	DRN	150	Exposed	170	
WF - P0012	HV - F055C	Butterfly	V500	DRN	150	Exposed	170	
WF - P0012	HV - F055D	Butterfly	V500	DRN	150	Exposed	170	
WF - P0012	CV - F055E	Check	V614	DRN	150	Exposed	170	
WF - P0012	HV - F055F	Butterfly	V500	DRN	150	Exposed	170	
WF - P0012	ARV - F055G	Air Release	V740	VTA	50	Exposed	170	
WF - P0012	HV - F055G	Ball	V308	VTA	50	Exposed	170	
WF - P0012	HV - F055H	Ball	V304	DRN	25	Exposed	170	
WF - P0012	CV - F981A	Check	V614	OF	150	Exposed	170	
WF - P0012	HV - F981A	Butterfly	V500	OF	150	Exposed	170	
WF - P0012	CV - F982A	Check	V614	OF	150	Exposed	170	
WF - P0012	HV - F982A	Butterfly	V500	OF	150	Exposed	170	
WF - P0012	CV - F983A	Check	V614	OF	300	Exposed	170	
WF - P0012	HV - F983A	Butterfly	V500	OF	300	Exposed	170	
WF - P0012	CV - F984A	Check	V614	OF	50	Exposed	170	
WF - P0012	HV - F984A	Ball	V308	OF	50	Exposed	170	
WF - P0012	ARV - F986A	Air Release	V740	VTA	50	Exposed	170	
WF - P0012	HV - F986A	Ball	V308	VTA	50	Exposed	170	
WF - P0012	HV - F986B	Ball	V304	DRN	25	Exposed	170	
WF - P0014	BPV - C100C	Back pressure valve	V718	AA	50	Exposed	560	
WF - P0014	CV - C100C	Check	V619	AA	50	Exposed	560	
WF - P0014	BPV - C100D	Back pressure valve	V718	AA	50	Exposed	560	
WF - P0014	CV - C100D	Check	V619	AA	50	Exposed	560	
WF - P0014	HV - C100E	Ball	V308	AA	50	Exposed	560	
WF - P0014	HV - C100F	Ball	V308	AA	50	Exposed	560	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WF - P0014	HV - C100G	Ball	V308	AA	50	Exposed	560	
WF - P0014	HV - C100H	Ball	V308	AA	50	Exposed	560	
WF - P0014	HV - C100J	Ball	V308	AA	25	Exposed	560	
WF - P0014	HV - C100K	Ball	V308	AA	25	Exposed	560	
WF - P0014	HV - C100L	Ball	V331	FW	100	Exposed	170	
WF - P0014	HV - C100M	Ball	V331	FW	100	Exposed	170	
WF - P0014	CV - C110A	Check	V602	FW	50	Exposed	170	
WF - P0014	HV - C110A	Ball	V331	FW	100	Exposed	170	
WF - P0014	CV - C110B	Check	V602	FW	50	Exposed	170	
WF - P0014	HV - C110B	Ball	V331	FW	100	Exposed	170	
WF - P0014	HV - C110C	Ball	V330	FW	25	Exposed	170	
WF - P0014	HV - C110E	Ball	V331	FW	50	Exposed	170	
WF - P0014	HV - C110F	Ball	V331	FW	50	Exposed	170	
WF - P0014	HV - C110J	Ball	V331	FW	50	Exposed	170	
WF - P0014	HV - C110K	Ball	V331	FW	50	Exposed	170	
WF - P0014	HV - C110L	Globe	V204	FW	50	Exposed	170	
WF - P0014	HV - C110M	Globe	V204	FW	50	Exposed	170	
WF - P0014	BPV - C120A	Back pressure valve	V718	CS	50	Exposed	560	
WF - P0014	CV - C120A	Check	V602	CS	50	Exposed	560	
WF - P0014	HV - C120A	Ball	V330	CS	50	Exposed	560	
WF - P0014	BPV - C120B	Back pressure valve	V718	CS	50	Exposed	560	
WF - P0014	CV - C120B	Check	V602	CS	50	Exposed	560	
WF - P0014	HV - C120B	Ball	V330	CS	50	Exposed	560	
WF - P0014	HV - C120C	Ball	V330	CS	50	Exposed	560	
WF - P0014	HV - C120D	Ball	V330	CS	50	Exposed	560	
WF - P0014	HV - C120E	Ball	V330	CS	25	Exposed	560	
WF - P0014	HV - C120F	Ball	V330	CS	25	Exposed	560	
WF - P0014	BPV - J700A	Back pressure valve	V719	HYP	50	Exposed	560	
WF - P0014	CV - J700A	Check	V602	HYP	50	Exposed	560	
WF - P0014	HV - J700A	Ball	V330	HYP	50	Exposed	560	
WF - P0014	BPV - J700B	Back pressure valve	V719	HYP	50	Exposed	560	
WF - P0014	CV - J700B	Check	V602	HYP	50	Exposed	560	
WF - P0014	HV - J700B	Ball	V330	HYP	50	Exposed	560	
WF - P0014	BPV - J700C	Back pressure valve	V719	HYP	50	Exposed	560	
WF - P0014	CV - J700C	Check	V602	HYP	50	Exposed	560	
WF - P0014	HV - J700C	Ball	V330	HYP	50	Exposed	560	
WF - P0014	BPV - J700D	Back pressure valve	V719	HYP	50	Exposed	560	
WF - P0014	CV - J700D	Check	V602	HYP	50	Exposed	560	
WF - P0014	HV - J700D	Ball	V330	HYP	50	Exposed	560	
WF - P0014	HV - J700E	Ball	V330	HYP	50	Exposed	560	
WF - P0014	HV - J700F	Ball	V330	HYP	50	Exposed	560	
WF - P0014	HV - J700G	Ball	V330	HYP	50	Exposed	560	
WF - P0014	HV - J700H	Ball	V330	HYP	50	Exposed	560	
WF - P0014	HV - J700J	Ball	V330	HYP	25	Exposed	560	
WF - P0014	HV - J700K	Ball	V330	HYP	25	Exposed	560	
WF - P0014	HV - J700L	Ball	V330	HYP	50	Exposed	560	
WF - P0014	HV - J700M	Ball	V330	HYP	50	Exposed	560	
WF - P0014	HV - J701A	Butterfly	V500	FW	100	Exposed	170	
WF - P0014	HV - J701B	Butterfly	V500	FW	100	Exposed	170	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WF - P0014	HV - J701D	Butterfly	V500	FW	100	Exposed	170	
WF - P0014	CV - J701E	Check	V604	FW	100	Exposed	170	
WF - P0014	HV - J701E	Ball	V304	FW	12	Exposed	170	
WF - P0014	HV - J702A	Butterfly	V500	FW	100	Exposed	170	
WF - P0014	HV - J702B	Butterfly	V500	FW	100	Exposed	170	
WF - P0014	HV - J702D	Butterfly	V500	FW	100	Exposed	170	
WF - P0014	CV - J702E	Check	V604	FW	100	Exposed	170	
WF - P0014	HV - J702E	Ball	V304	FW	12	Exposed	170	
Chemical Area								
WC - P0001	HV - C800C	Ball	V309	HP	12	Exposed	560	
WC - P0001	HV - C810A	Ball	V309	HP	50	Exposed	560	
WC - P0001	HV - C810B	Ball	V309	HP	25	Exposed	560	
WC - P0001	HV - C820A	Ball	V309	HP	50	Exposed	560	
WC - P0001	HV - C820B	Ball	V309	HP	50	Exposed	560	
WC - P0001	HV - C830A	Butterfly	V514	HP	100	Exposed	560	
WC - P0001	PSV - C830A	Pressure Relief Valve	V720	HP	12	Exposed	560	
WC - P0001	HV - C830B	Ball	V309	HP	25	Exposed	560	
WC - P0001	HV - C830C	Butterfly	V514	HP	100	Exposed	560	
WC - P0001	HV - C830D	Ball	V309	HP	25	Exposed	560	
WC - P0001	HV - C830E	Butterfly	V514	HP	100	Exposed	560	
WC - P0001	HV - C830F	Ball	V309	HP	25	Exposed	560	
WC - P0001	HV - C830G	Butterfly	V514	HP	100	Exposed	560	
WC - P0002	PSV - C830	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C830A	Check	V619	HP	50	Exposed	560	
WC - P0002	CV - C830A	Check	V619	HP	50	Exposed	560	
WC - P0002	PSV - C840	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C840A	Check	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840A	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C840B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C840B	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C840B	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840C	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C840C	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840D	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C840D	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840E	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C840E	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840G	Ball	-	HP	12	Exposed	560	Vendor Package
WC - P0002	HV - C840H	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840J	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840K	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840L	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840M	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C840N	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C840P	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C840Q	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C850	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C850A	Check	-	HP	25	Exposed	560	Vendor Package

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WC - P0002	HV - C850A	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C850B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C850B	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C850B	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850C	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C850C	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850D	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C850D	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850E	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C850E	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850G	Ball	-	HP	12	Exposed	560	Vendor Package
WC - P0002	HV - C850H	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850J	Ball	-	HP	50	Exposed	560	Vendor Package
WC - P0002	HV - C850K	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850L	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850M	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C850N	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C850P	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850R	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C850S	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C860	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C860A	Check	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C860A	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C860B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C860B	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	PSV - C860B	Pressure Relief Valve	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C860C	Check	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C860C	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	CV - C860D	Check	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C860D	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C860E	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C860G	Ball	-	HP	12	Exposed	560	Vendor Package
WC - P0002	HV - C860M	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C860N	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0002	HV - C860P	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0002	HV - C860Q	Ball	-	HP	25	Exposed	560	Vendor Package
WC - P0003	HV C900A	Ball	V308	SBS	50	Exposed	560	
WC - P0003	HV C900B	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C900C	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C900D	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C900E	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C900F	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C910A	Ball	V308	SBS	50	Exposed	560	
WC - P0003	HV C910B	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C910C	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C910D	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C910E	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C910F	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C920A	Ball	V308	SBS	50	Exposed	560	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WC - P0003	HV C920B	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C920C	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C920D	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C920E	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C920F	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C930A	Ball	V308	SBS	50	Exposed	560	
WC - P0003	HV C930B	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C930C	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C930D	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C930E	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C930F	Ball	V300	PSW	25	Exposed	560	
WC - P0003	HV C940	Check	V617	SBS	75	Exposed	560	
WC - P0003	HV C940B	Ball	V308	SBS	75	Exposed	560	
WC - P0003	HV C940C	Ball	V308	SBS	75	Exposed	560	
WC - P0003	HV C940D	Ball	V308	SBS	50	Exposed	560	
WC - P0003	HV C940E	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C940F	Ball	V308	SBS	25	Exposed	560	
WC - P0003	HV C940G	Ball	V308	SBS	50	Exposed	560	
WC - P0003	HV C940H	Ball	V308	SBS	25	Exposed	560	
WC - P0004	PSV - C950	Pressure Relief Valve	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	CV - C950A	Check	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C950A	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	CV - C950B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0004	HV - C950B	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C950C	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C950D	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C950E	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C950F	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C950G	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C950H	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C950J	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0004	HV - C950K	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0004	HV - C950L	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	PSV - C960	Pressure Relief Valve	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	CV - C960A	Check	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960A	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	CV - C960B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0004	HV - C960B	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960C	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960D	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960E	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960F	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960G	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960H	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960K	Ball	-	SBS	50	Exposed	560	Vendor Package
WC - P0004	HV - C960L	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0004	HV - C960M	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0004	HV - C960N	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C960P	Ball	-	SBS	25	Exposed	560	Vendor Package

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WC - P0004	HV - C960Q	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	PSV - C970	Pressure Relief Valve	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	CV - C970A	Check	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970A	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	CV - C970B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0004	HV - C970B	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	CV - C970C	Check	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970C	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	CV - C970D	Check	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970D	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970E	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970F	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970G	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970H	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970H	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970J	Ball	-	SBS	25	Exposed	560	Vendor Package
WC - P0004	HV - C970L	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0004	HV - C970M	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0006	CV C021A	Check	V604	PLS	75	Exposed	560	
WC - P0006	HV C021A	Ball	V331	DRA	75	Exposed	560	
WC - P0006	HV C021B	Ball	V330	DRA	25	Exposed	560	
WC - P0006	HV C021C	Ball	V331	DRA	75	Exposed	560	
WC - P0006	HV C021D	Ball	V330	PLS	25	Exposed	560	
WC - P0006	HV C021E	Ball	V331	PLS	75	Exposed	560	
WC - P0006	HV C021F	Ball	V330	PLS	50	Exposed	560	
WC - P0006	HV C021G	Ball	V331	PLS	75	Exposed	560	
WC - P0006	HV C021H	Ball	V300	PSW	25	Exposed	560	
WC - P0007	HV C001A	Ball	V330	PLS	50	Exposed	560	
WC - P0007	HV C001B	Ball	V330	PLS	50	Exposed	560	
WC - P0007	HV C001C	Ball	V330	PLS	25	Exposed	560	
WC - P0007	HV C001E	Ball	V330	PLS	50	Exposed	560	
WC - P0007	HV C001F	Ball	V330	PLS	50	Exposed	560	
WC - P0007	HV C001G	Ball	V330	PLS	50	Exposed	560	
WC - P0007	HV C001H	Ball	V330	PLS	50	Exposed	560	
WC - P0007	HV C001J	Ball	V330	PLS	50	Exposed	560	
WC - P0007	HV - C001K	Ball	-	PSW	25	Exposed	560	Vendor Package
WC - P0007	CV C031A	Check	V604	PLS	75	Exposed	560	
WC - P0007	HV C031A	Ball	V331	DRA	75	Exposed	560	
WC - P0007	HV C031C	Ball	V331	DRA	75	Exposed	560	
WC - P0007	HV C031E	Ball	V331	PLS	75	Exposed	560	
WC - P0007	HV C031F	Ball	V330	PLS	50	Exposed	560	
WC - P0007	HV C031G	Ball	V331	PLS	75	Exposed	560	
WC - P0007	HV C031H	Ball	V300	PSW	25	Exposed	560	
WC - P0008	CV C021B	Check	V602	PLS	50	Exposed	560	
WC - P0008	HV C021G	Ball	V330	PLS	50	Exposed	560	
WC - P0008	HV C021H	Ball	V330	PLS	50	Exposed	560	
WC - P0008	HV C021H	Ball	V331	PLS	75	Exposed	560	
WC - P0008	HV C021J	Ball	V330	PLS	25	Exposed	560	
WC - P0008	HV C021K	Ball	V330	PLS	12	Exposed	560	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WC - P0008	HV C021K	Ball	V330	PLS	50	Exposed	560	
WC - P0008	HV C021L	Ball	V330	PLS	12	Exposed	560	
WC - P0008	CV C022	Check	V602	PSW	25	Exposed	560	
WC - P0008	HV C022A	Ball	V331	DRA	75	Exposed	560	
WC - P0008	HV C022B	Ball	V330	DRA	25	Exposed	560	
WC - P0008	HV C022C	Ball	V331	DRA	75	Exposed	560	
WC - P0008	HV C022D	Ball	V330	PLS	50	Exposed	560	
WC - P0008	HV C022E	Ball	V330	PLS	25	Exposed	560	
WC - P0008	HV C022F	Ball	V330	PLS	50	Exposed	560	
WC - P0008	HV C022G	Ball	V330	PLS	50	Exposed	560	
WC - P0008	HV C022H	Ball	V330	PLS	50	Exposed	560	
WC - P0008	HV C022J	Ball	V330	PLS	50	Exposed	560	
WC - P0008	HV C022K	Ball	V330	PLS	25	Exposed	560	
WC - P0009	CV C031	Check	V602	PLS	50	Exposed	560	
WC - P0009	CV C031B	Check	V602	PLS	50	Exposed	560	
WC - P0009	HV C031G	Ball	V330	PLS	50	Exposed	560	
WC - P0009	HV C031H	Ball	V330	PLS	12	Exposed	560	
WC - P0009	HV C031H	Ball	V330	PLS	50	Exposed	560	
WC - P0009	HV C031J	Ball	V330	PLS	25	Exposed	560	
WC - P0009	HV C031K	Ball	V330	PLS	12	Exposed	560	
WC - P0009	HV C031L	Ball	V330	PLS	12	Exposed	560	
WC - P0009	HV C032A	Ball	V330	DRA	75	Exposed	560	
WC - P0009	HV C032C	Ball	V330	DRA	75	Exposed	560	
WC - P0009	HV C032D	Ball	V330	PLS	25	Exposed	560	
WC - P0009	HV C032E	Ball	V330	PLS	25	Exposed	560	
WC - P0009	HV C032F	Ball	V330	PLS	50	Exposed	560	
WC - P0009	HV C032F	Ball	V330	PLS	50	Exposed	560	
WC - P0009	HV C032G	Ball	V330	PLS	50	Exposed	560	
WC - P0009	HV C032H	Ball	V330	PLS	50	Exposed	560	
WC - P0009	HV C032J	Ball	V330	PLS	50	Exposed	560	
WC - P0009	HV C032K	Ball	V330	PLS	25	Exposed	560	
WC - P0014	CV - C061A	Check	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C061A	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	PSV - C061A	Pressure Relief Valve	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	CV - C061B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV - C061B	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C061C	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C061D	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C061E	Ball	-	PLS	12	Exposed	560	Vendor Package
WC - P0014	HV - C061F	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C061G	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C061H	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C061J	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV - C061K	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV C061L	Ball	V330	PLS	25	Exposed	560	
WC - P0014	HV C061M	Ball	V330	PLS	25	Exposed	560	
WC - P0014	HV C061N	Ball	V330	PLS	25	Exposed	560	
WC - P0014	HV C061P	Ball	V330	PLS	25	Exposed	560	
WC - P0014	CV - C062A	Check	-	PLS	25	Exposed	560	Vendor Package

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WC - P0014	HV - C062A	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	PSV - C062A	Pressure Relief Valve	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	CV - C062B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV - C062B	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C062C	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C062D	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C062E	Ball	-	PLS	12	Exposed	560	Vendor Package
WC - P0014	HV - C062F	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C062G	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C062H	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C062J	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV - C062K	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV - C062L	Ball	V330	PLS	25	Exposed	560	
WC - P0014	HV - C062L	Ball	V330	PLS	25	Exposed	560	
WC - P0014	HV - C062L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C062L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV C062N	Ball	V330	PLS	25	Exposed	560	Addendum 12
WC - P0014	HV C062R	Ball	V330	PLS	25	Exposed	560	Addendum 12
WC - P0014	HV C062S	Ball	V330	PLS	25	Exposed	560	Addendum 12
WC - P0014	HV C062T	Ball	V330	PLS	25	Exposed	560	Addendum 12
WC - P0014	HV - C062K	Needle	-	PSW	12	Exposed	560	Vendor Package, Addendum 12
WC - P0014	CV - C063A	Check	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C063A	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	PSV - C063A	Pressure Relief Valve	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	CV - C063B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV - C063B	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C063C	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C063D	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C063E	Ball	-	PLS	12	Exposed	560	Vendor Package
WC - P0014	HV - C063F	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C063G	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C063H	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C063J	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV - C063K	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0014	HV - C063L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C063L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	CV - C064A	Check	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C064C	Ball	V330	PLS	25	Exposed	560	
WC - P0014	CV - C065A	Check	-	PLS	25	Exposed	560	Vendor Package
WC - P0014	HV - C065C	Ball	V330	PLS	25	Exposed	560	
WC - P0015	CV - C071A	Check	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071A	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	PSV - C071A	Pressure Relief Valve	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	CV - C071B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0015	HV - C071B	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	CV - C071C	Check	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071C	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071D	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071E	Ball	-	PLS	12	Exposed	560	Vendor Package

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WC - P0015	HV - C071F	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071G	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071H	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071J	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0015	HV - C071K	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0015	HV C071L	Ball	V330	PLS	25	Exposed	560	
WC - P0015	HV - C071L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C071L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV C071N	Ball	V330	PLS	25	Exposed	560	
WC - P0015	HV - C071N	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0015	CV - C072A	Check	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072A	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	PSV - C072A	Pressure Relief Valve	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	CV - C072B	Check	-	PSW	12	Exposed	560	Vendor Package
WC - P0015	HV - C072B	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	CV - C072C	Check	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072C	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072D	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072E	Ball	-	PLS	12	Exposed	560	Vendor Package
WC - P0015	HV - C072F	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072G	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072H	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072J	Ball	-	PSW	12	Exposed	560	Vendor Package
WC - P0015	HV - C072K	Needle	-	PSW	12	Exposed	560	Vendor Package
WC - P0015	HV C072L	Ball	V330	PLS	25	Exposed	560	
WC - P0015	HV - C072L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV - C072L	Ball	-	PLS	25	Exposed	560	Vendor Package
WC - P0015	HV C072M	Ball	V330	PLS	25	Exposed	560	
WC - P0015	HV - C072M	Needle	-	PSW	12	Exposed	560	Vendor Package
Residuals Area								
WR - P0001	HV - R010A	Ball	V330	PLS	50	Exposed	560	For future connection
WR - P0002	HV - R100C	Plug	V405	SLU	100	Expo./Sub.	1208	Epoxy inside&outside, c/w nut&key, extend operator to suite operation
WR - P0002	CV - R100B	Check	V632	SLU	100	Expo./Sub.	1208	sinking, epoxy inside&Outside
WR - P0003	HV - R200C	Plug	V405	SLU	100	Expo./Sub.	1208	Epoxy inside&outside, c/w nut&key, extend operator to suite operation
WR - P0003	CV - R200B	Check	V632	SLU	100	Expo./Sub.	1208	sinking, epoxy inside&Outside
WR - P0004	HV - R300C	Plug	V405	SLU	100	Expo./Sub.	1208	Epoxy inside&outside, c/w nut&key, extend operator to suite operation
WR - P0004	CV - R300B	Check	V632	SLU	100	Expo./Sub.	1208	Sinking, epoxy inside&Outside
WR - P0005	HV - R400C	Plug	V405	SLU	100	Expo./Sub.	1208	Epoxy inside&outside, c/w nut&key, extend operator to suite operation
WR - P0005	CV - R400B	Check	V632	SLU	100	Expo./Sub.	1208	Sinking, epoxy inside&Outside
WR - P0006	HV - R001A	Ball	V307	SLU	50	Exposed	1208	Supplied with instrument package c/w mounting accessories
WR - P0006	HV - R001E	Ball	V330	PLS	25	Exposed	1208	
WR - P0006	HV - R001G	Butterfly	V500	SLU	150	Exposed	1208	Epoxy coated inside/outside c/w operating nut and key
WR - P0006	HV - R001F	Ball	V330	PLS	25	Exposed	1208	
WR - P0006	HV - R001B	Ball	V307	SLU	50	Exposed	1208	
WR - P0006	HV - R001C	Ball	V307	SLU	50	Exposed	1208	
WR - P0006	HV - R001D	Ball	V307	SLU	50	Exposed	1208	

MANUAL VALVE SCHEDULE (ALL SIZES)

P&ID Number	Tag Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Comments/ Control Features
WR - P0006	HV - R001C	Ball	V307	SUP	50	Submerged	1208	
WR - P0006	HV - R001H	Ball	V330	PLS	25	Exposed	1208	
WR - P0006	HV - R001J	Ball	V330	PLS	25	Exposed	1208	
WR - P0006	BPV - R001A	Back Pressure Valve	V719	PLS	25	Exposed	1208	
WR - P0006	BPV - R001B	Back Pressure Valve	V719	PLS	25	Exposed	1208	
WR - P0006	CV - R001G	Check	V602	PLS	25	Exposed	1208	
WR - P0006	CV - R001I	Check	V602	PLS	25	Exposed	1208	
WR - P0006	HV - R010C	Ball	V330	SUP	50	Exposed	1208	
WR - P0007	HV - R021A	Butterfly	V500	SUP	400	Exposed	1208	Epoxy coated inside/outside c/w manual operator and limit switches
WR - P0007	HV - R022A	Butterfly	V500	SUP	400	Exposed	1208	Epoxy coated inside/outside c/w manual operator and limit switches
WR - P0007	HV - R023A	Butterfly	V500	SUP	400	Exposed	1208	Epoxy coated inside/outside c/w manual operator and limit switches
WR - P0007	ARV - R024B	ARV	V744	SUP	50	Exposed	1208	
WR - P0007	HV - R024C	Ball	V307	SUP	50	Exposed	1208	Supplied with instrument package c/w mounting accessories
WR - P0007	HV - R024F	Ball	V307	SUP	50	Exposed	1208	
WR - P0007	HV - R024D	Ball	V307	SUP	50	Exposed	1208	
WR - P0007	HV - R024E	Ball	V307	SUP	50	Exposed	1208	
WR - P0007	HV - R024J	Ball	V307	SUP	50	Exposed	1208	
WR - P0007	HV - R024G	Butterfly	V500	SUP	600	Exposed	1208	Epoxy coated inside/outside c/w chain operator
WR - P0008	HV - R500A	Butterfly	V500	SLU	200	Exposed	1208	Epoxy coated inside/outside, operating nut and key
WR - P0008	HV - R600A	Butterfly	V500	SLU	200	Exposed	1208	Epoxy coated inside/outside, operating nut and key
WR - P0009	HV - R700A	Butterfly	V500	SLU	300	Submerged	1208	Epoxy coated inside/outside, extension stem c/w stem supports
WR - P0009	CV - R710A	Check	V632	SLU	100	Submerged	1208	
WR - P0009	HV - R710B	Butterfly	V500	SLU	100	Exposed	1208	Epoxy coated inside/outside, Manual operator
WR - P0009	HV - R710C	Butterfly	V500	SLU	100	Exposed	1208	Epoxy coated inside/outside, Manual operator
WR - P0009	CV - R720A	Check	V632	SLU	100	Exposed	1208	Sinking, epoxy inside&Outside
WR - P0009	HV - R720B	Butterfly	V500	SLU	100	Exposed	1208	Epoxy coated inside/outside, Manual operator
WR - P0009	HV - R730E	Ball	V307	SLU	50	Exposed	1208	
WR - P0009	HV - R730F	Ball	V307	SLU	50	Exposed	1208	
WR - P0009	HV - R730G	Ball	V307	SLU	50	Exposed	1208	
WR - P0009	HV - R730H	Ball	V307	SLU	50	Exposed	1208	
WR - P0009	HV - R730K	Butterfly	V500	SLU	100	Exposed	1208	Epoxy coated inside/outside, Manual operator
WR - P0009	HV - R730D	Ball	V307	SLU	50	Exposed	1208	
WR - P0009	ARV - R730D	ARV	V744	SLU	50	Exposed	1208	

Note 1. All valves within vendor packages shall be supplied and installed by the Contractor