

# JUOTC DRY NATURAL DRAFT CT OPTION

## DCPP

### Valve List

00B	7/11/2013	Issued for Estimate Report	RP	-	RP
00A	7/11/2013	Issue for Estimate	RP	-	RP
<b>Rev</b>	<b>Date</b>	<b>Reason for Revision</b>	<b>Originator</b>	<b>Checked</b>	<b>Approved</b>

JUOTC DRY NATURAL DRAFT CT OPTION  
DCPP  
Valve List

25762-110-M6X-YA-00001  
Rev. 00B

**System Codes**

PF Fire System  
WL Circulating Water  
WO Salt Water Cooling

**Commodity Code**

PV Valve  
HV valve with motor or pneumatic operator used for on /off operation  
PIV Post Indicating Valve

**Note:**

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplied by the cooling tower supplier have been included in the equipment list to help define the scope of supply by

JUOTC STUDY - Dry Natural Draft CT OPTION  
DCPP  
Valve List

25761-110-M6X-YA-00001  
Rev. 00B

Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
Salt Water Cooling Pump WO-MP-001A discharge, HV 022A	1	HV	WO	022	A	24	Butterfly	Motor	flange	100	70	75	56	25762-110-M6K-WL-00001	No	Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
Salt Water Cooling Pump WO-MP-001B discharge, HV 022B	1	PV	WO	022	B	24	Butterfly	Motor	flange	100	70	75	56	25762-110-M6K-WL-00001	No	Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
Inlet to PI021A	1	PV	WO			1	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001A auto vent isolation	1	PV	WO			2	ball		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001A auto vent	1	PV	WO			2	AR		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Inlet to PI021B	1	PV	WO			1	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001B auto vent isolation	1	PV	WO			2	ball		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001B auto vent	1	PV	WO			2	AR		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Upstream of HV009A to Makeup Water Line	1	PV	WL			6	gate		flange	100	70	50	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On Makeup Water Line, HV009A	1	HV	WL	009	A	6	globe	Air	flange	100	70	50	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Downstream of HV009A isolation	1	PV	WL			6	gate		flange	100	70	50	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Upstream of HV009B to Makeup Water Line	1	PV	WL			6	gate		flange	100	70	50	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On Makeup Water Line, HV009B	1	PV	WL	009	B	6	globe	Air	flange	100	70	50	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Downstream of HV009B isolation	1	PV	WL			6	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On PIT003A	1	PV	WL			1	gate			50	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A

JUOTC STUDY - Dry Natural Draft CT OPTION  
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Valve List

25761-110-M6X-YA-00001  
Rev. 00B

Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
On PIT003B	1	PV	WL			1	gate		flange	50	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
On PIT003C	1	PV	WL			1	gate		flange	50	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On PIT003D	1	PV	WL			1	Gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001A vent	1	PV	WL			2	globe		flange	50	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001B vent	1	PV	WL			2	globe		flange	85	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001C vent	1	PV	WL			2	globe		flange	85	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001D vent	1	PV	WL			2	globe		flange	85	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001A	1	PV	WL			1	gate		flange	85	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001B	1	PV	WL			1	gate		flange	85		75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001C	1	PV	WL			1	gate		flange	85	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001D	1	PV	WL			1	gate		flange	85	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Salt Water Cooling Pump WO-MP-001A discharge, HV 022A	2	HV	WO	022	A	24	Butterfly	Motor	flange	100	70	75	56	25762-110-M6K-WL-00001	No	Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
Salt Water Cooling Pump WO-MP-001B discharge, HV 022B	2	HV	WO	022	B	24	Butterfly	Motor	flange	100	70	75	56	25762-110-M6K-WL-00001	No	Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
Inlet to PI021A	2	PV	WO			1	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Outlet to WL-MP-001A auto vent isolation	2	PV	WO			2	ball		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A

JUOTC STUDY - Dry Natural Draft CT OPTION  
DCPP  
Valve List

25761-110-M6X-YA-00001  
Rev. 00B

Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
Outlet to WO-MP-001A auto vent	2	PV	WO			2	AR		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Inlet to PI021B	2	PV	WO			1	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001B auto vent isolation	2	PV	WO			2	ball		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001B auto vent	2	PV	WO			2	AR		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Super duplex material	00A
Upstream of HV009A on Makeup Water Line	2	PV	WL			6	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On Makeup Water Line, HV009A	2	HV	WL	009	A	6	globe	Air	flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Downstream of HV009A on the Makeup Water Pump	2	HV	WL	009	B	6	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Upstream of HV009B on Makeup Water Line	2	PV	WL			6	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On Makeup Water Line, HV009B	2	PV	WL			6	globe	Motor	flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Downstream of HV009B on the Makeup Water Pump	2	PV	WL			6	gate		flange	100	70	75	56	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On PIT003A	2	PV	WL			1	Gate		flange	50	130	30	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On PIT003B	2	PV	WL			1	Gate		flange	50	130	30	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On PIT003C	2	PV	WL			1	Gate		flange	50	130	30	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
On PIT003D	2	PV	WL			1	Gate		flange	50	130	30	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001A vent	2	PV	WL			2	globe		flange	85	130	75	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001B vent	2	PV	WL			2	globe		flange	85	130	75	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A

JUOTC STUDY - Dry Natural Draft CT OPTION  
DCPP  
Valve List

25761-110-M6X-YA-00001  
Rev. 00B

Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
Outlet from WL-MP-001C vent	2	PV	WL			2	globe		flange	85	130	75	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001D auto vent	2	PV	WL			2	globe		flange	85	130	75	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001A	2	PV	WL			1	gate		flange	85	130	75	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001B	2	PV	WL			1	gate		flange	85	130	75	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001C	2	PV	WL			1	gate		flange	85	130	75	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001D	2	PV	WL			1	gate		flange	85	130	75	125	25762-110-M6K-WL-00001	No	Estimating	Duplex SS material	00A
Inlet isolation WL-MP-001A	1	HV	WL	002	A	120	Butterfly	Motor	flange	50	130	30	125	25762-110-M6K-WL-00001	No	Valve Quote	Ductile Iron , epoxy coated or rubber lined	00B
Inlet isolation WL-MP-001B	1	HV	WL	002	B	120	Butterfly	Motor	flange	50	130	30	130	25762-110-M6K-WL-00001	No	Valve Quote	Ductile Iron , epoxy coated or rubber lined	00B
Inlet isolation WL-MP-001C	1	HV	WL	002	C	120	Butterfly	Motor	flange	50	130	30	125	25762-110-M6K-WL-00001	No	Valve Quote	Ductile Iron , epoxy coated or rubber lined	00B
Inlet isolation WL-MP-001D	1	HV	WL	002	D	120	Butterfly	Motor	flange	50	130	30	125	25762-110-M6K-WL-00001	No	Valve Quote	Ductile Iron , epoxy coated or rubber lined	00B
Inlet isolation WL-MP-001A	2	HV	WL	002	A	120	Butterfly	Motor	flange	50	130	30	125	25762-110-M6K-WL-00001	No	Valve Quote	Ductile Iron , epoxy coated or rubber lined	00B
Inlet isolation WL-MP-001B	2	HV	WL	002	B	120	Butterfly	Motor	flange	50	130	30	125	25762-110-M6K-WL-00001	No	Valve Quote	Ductile Iron , epoxy coated or rubber lined	00B
Inlet isolation WL-MP-001C	2	HV	WL	002	C	120	Butterfly	Motor	flange	50	130	30	125	25762-110-M6K-WL-00001	No	Valve Quote	Ductile Iron , epoxy coated or rubber lined	00B

# JUOTC DRY MECHANICAL DRAFT CT OPTION

## DCPP

### Valve List

00B	7/29/2013	Issued for Estimate Report	RP	-	RP
00A	7/11/2013	Issue for Estimate	RP	-	RP
<b>Rev</b>	<b>Date</b>	<b>Reason for Revision</b>	<b>Originator</b>	<b>Checked</b>	<b>Approved</b>

JUOTC DRY MECHANICAL DRAFT CT OPTION  
DCPP  
Valve List

25762-110-M6X-YA-00002  
Rev. 00B

System Codes

PF Fire Protection  
WL Circulating Water  
WO Salt Water Cooling

Commodity Code

PV Valve  
HV valve with motor or pneumatic operator used for on /off operation

Note:

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplied by the cooling tower supplier have been included in the equipment list to help define the scope of supply by the cooling Tower Supplier



JUOTC STUDY - Dry Mechanical Draft CT OPTION  
 DCCP  
 Valve List

25762-110-M6X-YA-00002  
 Rev. 00B

Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
Salt Water Cooling Pump WO-MP-001A discharge, HV 022A	1	HV	WO	022	A	24	Butterfly	Motor	flange	100	70	75	56		25762-110-M6KWL-00001	No	Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
Salt Water Cooling Pump WO-MP-001B discharge, HV 022B	1	PV	WO	022	B	24	Butterfly	Motor	flange	100	70	75	56		25762-110-M6KWL-00001	No	Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
Inlet to PI021A	1	PV	WO			1	gate		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001A auto vent isolation	1	PV	WO			2	ball		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001A auto vent	1	PV	WO			2	AR		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A
Inlet to PI021B	1	PV	WO			1	gate		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001B auto vent isolation	1	PV	WO			2	ball		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001B auto vent	1	PV	WO			2	AR		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A
Upstream of HV009A to Makeup Water Line	1	PV	WL			6	gate		flange	100	70	50	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On Makeup Water Line, HV009A	1	HV	WL	009	A	6	globe	Air	flange	100	70	50	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Downstream of HV009A isolation	1	PV	WL			6	gate		flange	100	70	50	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Upstream of HV009B to Makeup Water Line	1	PV	WL			6	gate		flange	100	70	50	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On Makeup Water Line, HV009B	1	PV	WL	009	B	6	globe	Air	flange	100	70	50	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Downstream of HV009B isolation	1	PV	WL			6	gate		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On PIT003A	1	PV	WL			1	gate			50	70	75	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On PIT003B	1	PV	WL			1	gate		flange	50	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A

JUOTC STUDY - Dry Mechanical Draft CT OPTION  
DCCP  
Valve List

25762-110-M6X-YA-00002  
Rev. 00B

Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
On PIT003C	1	PV	WL			1	gate		flange	50	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
On PIT003D	1	PV	WL			1	Gate		flange	100	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001A vent	1	PV	WL			2	globe		flange	50	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001B vent	1	PV	WL			2	globe		flange	85	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001C vent	1	PV	WL			2	globe		flange	85	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001D vent	1	PV	WL			2	globe		flange	85	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001A	1	PV	WL			1	gate		flange	85	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001B	1	PV	WL			1	gate		flange	85	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001C	1	PV	WL			1	gate		flange	85	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001D	1	PV	WL			1	gate		flange	85	70	75	56		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Salt Water Cooling Pump WO-MP-001A discharge, HV 022A	2	HV	WO	022	A	24	Butterfly	Motor	flange	100	70	75	56		25762-110-M6K WL-00001	No	Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
Salt Water Cooling Pump WO-MP-001B discharge, HV 022B	2	HV	WO	022	B	24	Butterfly	Motor	flange	100	70	75	56		25762-110-M6K WL-00001	No	Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
Inlet to PI021A	2	PV	WO			1	gate		flange	100	70	75	56		25762-110-M6K WL-00001	No	Estimating	Super duplex material	00A
Outlet to WL-MP-001A auto vent isolation	2	PV	WO			2	ball		flange	100	70	75	56		25762-110-M6K WL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001A auto vent	2	PV	WO			2	AR		flange	100	70	75	56		25762-110-M6K WL-00001	No	Estimating	Super duplex material	00A
Inlet to PI021B	2	PV	WO			1	gate		flange	100	70	75	56		25762-110-M6K WL-00001	No	Estimating	Super duplex material	00A

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DCPP  
Valve List

25762-110-M6X-YA-00002  
Rev. 00B

Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
Outlet to WO-MP-001B auto vent isolation	2	PV	WO			2	ball		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A
Outlet to WO-MP-001B auto vent	2	PV	WO			2	AR		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Super duplex material	00A
Upstream of HV009A on Makeup Water Line	2	PV	WL			6	gate		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On Makeup Water Line, HV009A	2	HV	WL	009	A	6	globe	Air	flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Downstream of HV009A on the Makeup Water Pump	2	HV	WL	009	B	6	gate		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Upstream of HV009B on Makeup Water Line	2	PV	WL			6	gate		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On Makeup Water Line, HV009B	2	PV	WL			6	globe	Motor	flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Downstream of HV009B on the Makeup Water Pump	2	PV	WL			6	gate		flange	100	70	75	56		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On PIT003A	2	PV	WL			1	Gate		flange	50	130	30	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On PIT003B	2	PV	WL			1	Gate		flange	50	130	30	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On PIT003C	2	PV	WL			1	Gate		flange	50	130	30	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
On PIT003D	2	PV	WL			1	Gate		flange	50	130	30	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001A vent	2	PV	WL			2	globe		flange	85	130	75	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001B vent	2	PV	WL			2	globe		flange	85	130	75	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001C vent	2	PV	WL			2	globe		flange	85	130	75	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Outlet from WL-MP-001D auto vent	2	PV	WL			2	globe		flange	85	130	75	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A
Root connection to Pi 001A	2	PV	WL			1	gate		flange	85	130	75	125		25762-110-M6KWL-00001	No	Estimating	Duplex SS material	00A

JUOTC STUDY - Dry Mechanical Draft CT OPTION  
 DCP  
 Valve List

25762-110-M6X-YA-00002  
 Rev. 00B

Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
Root connection to PI 001B	2	PV	WL			1	gate		flange	85	130	75	125		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001C	2	PV	WL			1	gate		flange	85	130	75	125		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Root connection to PI 001D	2	PV	WL			1	gate		flange	85	130	75	125		25762-110-M6K WL-00001	No	Estimating	Duplex SS material	00A
Inlet isolation WL-MP-001A	1	HV	WL	002	A	120	Butterfly	Motor	flange	50	130	30	125		25762-110-M6K WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	
Inlet isolation WL-MP-001B	1	HV	WL	002	B	120	Butterfly	Motor	flange	50	130	30	130		25762-110-M6K WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	
Inlet isolation WL-MP-001C	1	HV	WL	002	C	120	Butterfly	Motor	flange	50	130	30	125		25762-110-M6K WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	
Inlet isolation WL-MP-001D	1	HV	WL	002	D	120	Butterfly	Motor	flange	50	130	30	125		25762-110-M6K WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	
Inlet isolation WL-MP-001A	2	HV	WL	002	A	120	Butterfly	Motor	flange	50	130	30	125		25762-110-M6K WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	
Inlet isolation WL-MP-001B	2	HV	WL	002	B	120	Butterfly	Motor	flange	50	130	30	125		25762-110-M6K WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	
Inlet isolation WL-MP-001C	2	HV	WL	002	C	120	Butterfly	Motor	flange	50	130	30	125		25762-110-M6K WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	

# JUOTC WET NATURAL DRAFT CT OPTION

## DCPP

### Valve List

00B	7/24/2013	Issued for Estimate Report	RP	-	RP
00A	7/11/2013	Issue for Estimate	RP	-	RP
<b>Rev</b>	<b>Date</b>	<b>Reason for Revision</b>	<b>Originator</b>	<b>Checked</b>	<b>Approved</b>

JUOTC - WET NATURAL DRAFT CT OPTION  
DCPP  
Valve List

25762-110-M6X-YA-00003  
Rev. 00B

System Codes

Commodity Code

AD	Condensate	PV	Valve
PF	Fire Protection	HV	valve with motor or pneumatic operator used for on /off operation
PI	Plant Air		
TL	Circ. Wtr Chem Inj		
WB	Service water		
WL	Circulating Water		
WO	Sea Water		
WR	Raw Water (Grey water)		

Note:

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplier by the cooling tower supplier have been included in the equipment list to help define the scope of supply by

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
18	Post indicating valve	0	PIV	PF			12	gate		flange		175	90				-		estimating	Ductile Iron	00A
54	Curb Valve	0	PV	PF			6	gate		flange		175	90				-		estimating	Ductile Iron	00A
1	Inlet Isolation WL-MP-001A	1	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet Isolation WL-MP-001B	1	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	130		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet Isolation WL-MP-001C	1	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet Isolation WL-MP-001D	1	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet Isolation WL-MP-001A	2	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet Isolation WL-MP-001B	2	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet Isolation WL-MP-001C	2	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet Isolation WL-MP-001D	2	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet Isolation WL-MP-001A	1	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet Isolation WL-MP-001B	1	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet Isolation WL-MP-001C	1	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet Isolation WL-MP-001D	1	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet Isolation WL-MP-001A	2	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet Isolation WL-MP-001B	2	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet Isolation WL-MP-001C	2	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet Isolation WL-MP-001D	2	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	1	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile Iron , seats EPDM amd 316 SS, 316 SS trim	00A

JUOTC STUDY - Wet Natural Draft CT OPTION  
DCCP  
Valve List

25761-110-M6X-YA-00003  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Isolation Valve for the Blowdown from CT WL-ME-001B	1	PV	WI			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	1	PV	WI			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	1	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	1	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	1	PV	WL			1	Gate				100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	On PIT003B	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	On PIT003C	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	On PIT003D	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A



JUOTC STUDY - Wet Natural Draft CT OPTION  
DCCP  
Valve List

25761-110-M6X-YA-00003  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Root connection to PI 001A	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Root connection to PI 001B	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Root connection to PI 001C	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Root connection to PI 001D	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	2	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001B	2	PV	WI			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	2	PV	WI			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	2	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	2	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	On PIT003B	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	On PIT003C	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	On PIT003D	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Root connection to PI 001A	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Root connection to PI 001B	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Root connection to PI 001C	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
1	Root connection to PI 001D	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00003	No	estimating	Duplex stainless steel	00A
3	Pump MP001A, B, & C Isolation valves	0	HV	WO	032		42	Butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	FE043 outlet isolation valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet valve	0	HV	WO			6	butterfly	motor	flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00B
3	Pump MP001A, B, & C air release valve	0	PY	WO			2	AR		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
3	Pump MP001A, B, & C air release valve isolation valves	0	PY	WO			2	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
3	PI 031 isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A

JUOTC STUDY - Wet Natural Draft CT OPTION  
DCPP  
Valve List

25761-110-M6X-YA-00003  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Pump MP001A, B, & C recirc isolation valve	0	PY	WO			30	butterfly		flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	FT034 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
1	PT033 isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
1	Desal outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	FT043 Inlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	FT043 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating		00A
1	FE043 outlet isolation valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00B
1	Desal brine outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Brine outlet PI root valve	0	PY	WO			1	gate		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00B
2	Pump MP002A&B outlet check valve	0	PY	WO			8	wafer check		flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet air release valve	0	PY	WO			1	AR		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet air release isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B PI isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	SL Grey Water Supply pump 4A & 4B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B discharge valves	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	SL Grey Water Supply pump 4A & 4B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
2	SL Grey Water Supply pump 5A & 5B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	SL Grey Water Supply pump 4A & 4B PI isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B PI isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	SL Grey Water Supply pump 4A & 4B recirc valve isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	SL Grey Water Supply pump 5A & 5B recirc valve isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
26	Supply line auto vent valves	0	PV	WR			2	gate				325	90				25762-110-M6K-WR-00003		estimating	duplex ss Assumes approximately 1 per mile	00A
26	supply line auto vent valve isolation valves	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
26	supply line drain valves	0	PV	WR			3	gate				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	flow element isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank outlet valve	0	PV	WR			16	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP 002A & B inlet valves	0	PV	WR			16	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B check valve	0	PV	WR			12	water check				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B isolation valve	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron, seats EPDM amd 316 SS, 316 SS trim	00A

JUOTC STUDY - Wet Natural Draft CT OPTION  
DCPP  
Valve List

25761-110-M6X-YA-00003  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
2	Pump MP002A & 2B PI isolation valve	0	PV	WR			1	gate				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP003A & B check valves	0	PV	WR			8	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP003A & B isolation valves	0	PV	WR			8	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP 001 & B inlet valves	0	PV	WR				butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP001A & 1B check valve	0	PV	WR				wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B isolation valve	0	PV	WR				butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B PI isolation valve	0	PV	WR			1	gate				30	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	storage pond outlet valve	0	PV	WR			36	butterfly				30	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00B

# JUOTC WET MECHANICAL DRAFT CT OPTION

## DCPP

### Valve List

00B	7/24/2013	Issued for Estimate Report	RP	-	RP
00A	7/11/2013	Issue for Estimate	RP	-	RP
<b>Rev</b>	<b>Date</b>	<b>Reason for Revision</b>	<b>Originator</b>	<b>Checked</b>	<b>Approved</b>

JUOTC WET MECHANICAL DRAFT CT OPTION  
DCPP  
Valve List

25762-110-M6X-YA-00004  
Rev. 00B

System Codes

Commodity Code

AD	Condensate	PV	Valve
PF	Fire Protection	HV	valve with motor or pneumatic operator used for on /off operation
PI	Plant Air		
TL	Circ. Wtr Chem Inj		
WB	Service water		
WL	Circulating Water		
WO	Sea Water		
WR	Raw Water (Grey water)		

Note:

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplied by the cooling tower supplier have been included in the equipment list to help define the scope of supply by

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
18	Post Indicating valve	0	PIV	PF			12	gate		flange		175	90				-		estimating	Ductile Iron	00A
54	Curb Valve	0	PV	PF			6	gate		flange		175	90				-		estimating	Ductile Iron	00A
1	Inlet isolation WL-MP-001A	1	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001B	1	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	130		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001C	1	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001D	1	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001A	2	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001B	2	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001C	2	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001D	2	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001A	1	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001B	1	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001C	1	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001D	1	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001A	2	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001B	2	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001C	2	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001D	2	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	1	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile Iron, seats EPDM amd 316 SS, 316 SS trim	00A



Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Isolation Valve for the Blowdown from CT WL-ME-001B	1	PV	WI			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	1	PV	WI			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	1	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	1	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	1	PV	WL			1	Gate				100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	On PIT003B	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	On PIT003C	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	On PIT003D	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A

JUOTC STUDY - Wet Mechanical Draft CT OPTION  
 DCCP  
 Valve List

25762-110-M6K-YA-00004  
 Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001A	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001B	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001C	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001D	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	2	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001B	2	PV	WI			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	2	PV	WI			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	2	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	Upstream of LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	2	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Super duplex material	00A
1	On PIT003B	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Super duplex material	00A
1	On PIT003C	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	On PIT003D	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001A	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Root connection to PI 001B	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001C	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001D	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
3	Pump MP001A, B, & C isolation valves	0	HV	WO	032		42	Butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00B
1	FE043 outlet isolation valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00B
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00B
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00B
3	Pump MP001A, B, & C air release valve	0	PY	WO			2	AR		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00B
3	Pump MP001A, B, & C air release valve isolation valves	0	PY	WO			2	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00B
3	PI 031 Isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00B
1	Pump MP001A, B, & C recirc Isolation valve	0	PY	WO			30	butterfly		flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00B
2	FT034 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	PT033 isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	Desal outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	FT043 Inlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	FT043 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating		00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	FE043 outlet isolation valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Brine outlet PI root valve	0	PY	WO			1	gate		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet check valve	0	PY	WO			8	wafer check		flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet air release valve	0	PY	WO			1	AR		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet air release isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B PI isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	SL Grey Water Supply pump 4A & 4B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B discharge valves	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	SL Grey Water Supply pump 4A & 4B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B PI isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
2	SL Grey Water Supply pump 5A & 5B PI Isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	SL Grey Water Supply pump 4A & 4B recirc valve Isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	SL Grey Water Supply pump 5A & 5B recirc valve Isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
26	Supply line auto vent valves	0	PV	WR			2	gate				325	90				25762-110-M6K-WR-00003		estimating	duplex ss Assumes approximately 1 per mile	00A
26	supply line auto vent valve isolation valves	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
26	supply line drain valves	0	PV	WR			3	gate				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	flow element isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank outlet valve	0	PV	WR			16	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP 002A & B Inlet valves	0	PV	WR			16	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B check valve	0	PV	WR			12	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B isolation valve	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B PI isolation valve	0	PV	WR			1	gate				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP003A & B check valves	0	PV	WR			8	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP003A & B isolation valves	0	PV	WR			8	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A

JUOTC STUDY - Wet Mechanical Draft CT OPTION  
DCCP  
Valve List

25762-110-M6X-YA-00004  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
2	Pump MP 001 & B Inlet valves	0	PV	WR				butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP001A & 1B check valve	0	PV	WR				wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B isolation valve	0	PV	WR				butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B PI isolation valve	0	PV	WR			1	gate				30	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	storage pond outlet valve	0	PV	WR			36	butterfly				30	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	

# JUOTC HYBRID CT OPTION

## DCPP

### Valve List

00B	7/11/2013	Issued for Estimate Report	RP	-	RP
00A	7/11/2013	Issue for Estimate	RP	-	RP
<b>Rev</b>	<b>Date</b>	<b>Reason for Revision</b>	<b>Originator</b>	<b>Checked</b>	<b>Approved</b>



JUOTC HYBRID CT OPTION  
DCPP  
Valve List

25762-110-M6X-YA-00005  
Rev. 00B

System Codes

AD Condensate  
PF Fire Protection  
PI Plant Air  
TL Circ. Wtr Chem Inj  
WB Service water  
WL Circulating Water  
WO Sea Water  
WR Raw Water (Grey water)

Commodity Code

PV Valve  
HV valve with motor or pneumatic operator used for on /off operation

Note:

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplier by the cooling tower supplier have been included in the equipment list to help define the scope of supply by

JUOTC STUDY - Hybrid CT OPTION  
DCCP  
Valve List

25762-110-M6X-YA-00005  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
18	Post indicating valve	0	PIV	PF			12	gate		flange		175	90				-		estimating	Ductile Iron	00A
54	Curb Valve	0	PV	PF			6	gate		flange		175	90				-		estimating	Ductile Iron	00A
1	Inlet isolation WL-MP-001A	1	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001B	1	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	130		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001C	1	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001D	1	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001A	2	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001B	2	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001C	2	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001D	2	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001A	1	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001B	1	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001C	1	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001D	1	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001A	2	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001B	2	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001C	2	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001D	2	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	1	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM armd 316 SS, 316 SS trim	00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Isolation Valve for the Blowdown from CT WL-ME-001B	1	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	1	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	1	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	1	PV	WL			1	Gate				100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003B	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003C	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003D	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A

JUOTC STUDY - Hybrid CT OPTION  
DCPP  
Valve List

25762-110-M6X-YA-00005  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001A	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001B	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001C	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001D	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	2	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001B	2	PV	WI			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	2	PV	WI			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	2	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A

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Valve List

25762-110-M6X-YA-00005  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Upstream of LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	2	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003B	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003C	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003D	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001A	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A

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Valve List

25762-110-M6X-YA-00005  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Root connection to PI 001B	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001C	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001D	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
3	Pump MP001A, B, & C Isolation valves	0	HV	WO	032		42	Butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	FE043 outlet isolation valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
3	Pump MP001A, B, & C air release valve	0	PY	WO			2	AR		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
3	Pump MP001A, B, & C air release valve Isolation valves	0	PY	WO			2	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
3	PI 031 Isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	Pump MP001A, B, & C recirc isolation valve	0	PY	WO			30	butterfly		flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	FT034 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	PT033 isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	Desal outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A

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Valve List

25762-110-M6X-YA-00005  
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	FT043 inlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	FT043 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating		00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Brine outlet PI root valve	0	PY	WO			1	gate		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet check valve	0	PY	WO			8	wafer check		flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet air release valve	0	PY	WO			1	AR		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet air release isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B PI isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	SL Grey Water Supply pump 4A & 4B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	SL Grey Water Supply pump 5A & 5B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	SL Grey Water Supply pump 4A & 4B discharge valves	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	SL Grey Water Supply pump 4A & 4B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B PI isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B PI isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	SL Grey Water Supply pump 4A & 4B recirc valve isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	SL Grey Water Supply pump 5A & 5B recirc valve isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
26	Supply line auto vent valves	0	PV	WR			2	gate				325	90				25762-110-M6K-WR-00003		estimating	duplex ss Assumes approximately 1 per mile	00B
26	supply line auto vent valve isolation valves	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
26	supply line drain valves	0	PV	WR			3	gate				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
1	flow element isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank outlet valve	0	PV	WR			16	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP 002A & B Inlet valves	0	PV	WR			16	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B check valve	0	PV	WR			12	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B isolation valve	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B PI isolation valve	0	PV	WR			1	gate				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	Pump MP003A & B check valves	0	PV	WR			8	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	Pump MP003A & B isolation valves	0	PV	WR			8	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP 001 & B Inlet valves	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A



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 Valve List

25762-110-M6X-YA-00005  
 Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
2	Pump MP001A & 1B check valve	0	PV	WR			12	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B isolation valve	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B PI isolation valve	0	PV	WR			1	gate				30	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	storage pond outlet valve	0	PV	WR			36	butterfly				30	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A