

Mechanical Equipment List


CO₂ Capture Facility

Kårstø, Norway

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Mechanical Equipment List														
CO2 Karsto Project														
Job No: 25474														
Document No.: 25474-000-M0X-0000-00001														
Rev. No.: 1														
Project Qty	System Code	Tag No.	Item Description	Capacity Per Component	Type	P&ID	Nominal or Rated	Units (Each)	Diff. bar	Motor (Rated) kW	LD./W m	H/T-T m	Surf Area m ²	Metallurgy / Remarks
1	BA	MA-101	Flue gas blower (Absorber 1)	1x100% per Train (50% per Unit)	Horizontal Centrifugal	M6-BA-00001	1,252,885	m ³ /h	0.1	6340	N/A	N/A	N/A	Stainless Steel Housing and Internals; Includes 2x100% lube oil pumps
1	BA	MA-102	Flue gas blower (Absorber 2)	1x100% per Train (50% per Unit)	Horizontal Centrifugal	M6-BA-00001	1,252,885	m ³ /h	0.1	6340	N/A	N/A	N/A	Stainless Steel Housing and Internals; Includes 2x100% lube oil pumps
1	SB	MB-101	Auxiliary Boiler	1x100%	Saturated steam boiler with 2x100% feedwater pumps, deaerator w/storage tank, blowdown tank, chemical feed skid, etc.	M6-SB-00001	20	Tonnes/hr	N/A	7.5	N/A	N/A	N/A	
2	PA	MC-101A/B	Instrument/Service Air Compressor	2x100%	Horizontal Rotary Screw, Air-Cooled, Acoustical Enclosure	M6-PA-00001	500	m ³ /h	N/A	55	1.0 (W) x 2.6 (L)	1.8	N/A	1600 kg
1	QG	MC-103	CO2 Compressor	1x100%	Centrifugal; 3 Stage	M6-QG-00020, -00050 & -00090	74684	m ³ /h	92.7	20,000	4.0 (W) x 21.4 (L)	4.1	N/A	Including 2x100% lube oil pumps.
2	CN	ME-101	Wash Water Cooler (Absorber 1)	2x50% per Train	Plate and Frame	M6-CN-00030	30.7	MW	N/A	N/A	1.95 (W) x 3.8 (L)	3.8	743	Titanium.
1	CN	ME-102	Lean Amine Cooler	1x100%	Welded Plate and Frame	M6-CN-00080	10.7	MW	N/A	N/A	TBD	TBD	TBD	Titanium. Alfa Laval Compabloc type
2	CN	ME-103A/B	Semi-Lean / Rich Heat Exchanger	2x50%	Welded Plate and Frame	M6-CN-00085	15.4	MW	N/A	N/A	TBD	TBD	TBD	Stainless steel. Alfa Laval Compabloc type
2	CN	ME-104	Wash Water Cooler (Absorber 2)	2x50% per Train	Plate and Frame	M6-CN-00070	30.7	MW	N/A	N/A	1.95 (W) x 3.8 (L)	3.8	743	Titanium.
1	CN	ME-107	Flash Feed Heat Exchanger	1x100%	Welded Plate and Frame	M6-CN-00100	2.9	MW	N/A	N/A	TBD	TBD	TBD	Stainless steel. Alfa Laval Compabloc type
8	CN	ME-108A/H	Lean/Rich Amine Heat Exchanger	8x12.5%	Welded Plate and Frame	M6-CN-00080 through -00084	18.1	MW	N/A	N/A	1.2 (W) x 4.6 (L)	3.2	8392.0	Stainless steel. Alfa Laval Compabloc type
1	CN	ME-109	Flash Feed Heater	1x100%	Welded Plate and Frame	M6-CN-00100	5.4	MW	N/A	N/A	TBD	TBD	TBD	Stainless steel. Alfa Laval Compabloc type
8	CN	ME-110A/H	Stripper Reboiler	8x12.5%	Welded Plate and Frame	M6-CN-00150 & -00160	15.3	MW	N/A	N/A	1.75 (W) x 1.75 (L)	3.5	534.0	Stainless steel. Alfa Laval Compabloc type

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4	CN	ME-111A/D	Overhead Stripper Condenser	4x25%	Plate and Frame	M6-CN-00130	61.3	MW	N/A	N/A	TBD	TBD	TBD	Titanium.
1	QG	ME-112	CO2 Compressor 1st Stage Steam Generator	1x100%	Shell & Tube	M6-QG-00030	1.8	MW	N/A	N/A	1.3 (W) x 2.9 (L)	TBD	426	CO2 Side - SS Tubes. Steam/Cond Side - CS Shell
1	QG	ME-113	CO2 Compressor 1st Stage Intercooler	1x100%	Shell & Tube	M6-QG-00030	6.5	MW	N/A	N/A	1.3 (W) x 6.6 (L)	TBD	510	CO2 Side - 304LSS Shell. Sea Water Side - Titanium or SeaCure Tubes.
1	QG	ME-114	CO2 Compressor 2nd Stage Steam Generator	1x100%	Shell & Tube	M6-QG-00060	1.8	MW	N/A	N/A	1.2 (W) x 3.8 (L)	TBD	262	CO2 Side - SS Tubes. Steam/Cond Side - CS Shell
1	QG	ME-115	CO2 Compressor 2nd Stage Intercooler	1x100%	Shell & Tube	M6-QG-00060	4.3	MW	N/A	N/A	1.0 (W) x 7.2 (L)	TBD	392	CO2 Side - 304LSS Shell. Sea Water Side - Titanium or SeaCure Tubes.
1	QG	ME-116	CO2 Compressor 3rd Stage Steam Generator	1x100%	Shell & Tube	M6-QG-00100	2.1	MW	N/A	N/A	1.0 (W) x 4.5 (L)	TBD	279	CO2 Side - SS Tubes. Steam/Cond Side - CS Shell
1	QG	ME-117	CO2 Cooler	1x100%	Shell & Tube	M6-QG-00100	10.6	MW	N/A	N/A	1.1 (W) x 7.2 (L)	TBD	463	CO2 Side - 304LSS Shell. Sea Water Side - Titanium or SeaCure Tubes.
1	CY	ME-118	Amine Storage Tank Heater	1x100%	Electric Bayonet	M6-CY-00010	11	KW	N/A	N/A	N/A	N/A	N/A	
1	CY	ME-119	Lean Amine Solvent Storage Tank Heater	1x100%	Electric Bayonet	M6-CY-00010	150	KW	N/A	N/A	N/A	N/A	N/A	
1	WP	ME-123	Process Water Surge Storage Tank Heater	1x100%	Electric Bayonet	M6-WP-00010	11	KW	N/A	N/A	N/A	N/A	N/A	
1	CN	MF-101	Lean Amine Side Stream Carbon Filter	1x100%	Carbon	M6-CN-00090	420	m ³ /h	1	N/A	N/A	N/A	N/A	Stainless steel housing. Packaged skid w/pre-filter and after-filter
2	CN	MF-102A/B	Rich Amine Mechanical Filter	2x100%	Cartridge	M6-CN-00040	2500	m ³ /h	0.5	N/A	N/A	N/A	N/A	10 micron absolute filter. Stainless steel housing & Polypropylene cartridge.
2	CN	MF-105A/B	Lean Amine Mechanical Filter	2x100%	Cartridge	M6-CN-00170	2000	m ³ /h	0.5	N/A	N/A	N/A	N/A	10 micron absolute filter. Stainless steel housing & Polypropylene cartridge.
1	CN	MF-106	Lean Amine Side Stream Pre-Filter	1x100%	Cartridge	M6-CN-00090	420	m ³ /h	0.5	N/A	N/A	N/A	N/A	5 micron absolute filter. Stainless steel housing & Polypropylene cartridge. Packaged skid with carbon filter.
1	CN	MF-107	Lean Amine Side Stream After-Filter	1x100%	Cartridge	M6-CN-00090	420	m ³ /h	0.5	N/A	N/A	N/A	N/A	10 micron absolute filter. Stainless steel housing & Polypropylene cartridge. Packaged skid with carbon filter.
2	XW	MF-108A/B	Amine Return Filter	2x100%	Cartridge	M6-XW-00001	125	m ³ /h	1	N/A	N/A	N/A	N/A	10 micron absolute filter. Stainless steel housing & Polypropylene cartridge.

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1	AN	MG-101	Standby diesel generator	1x100%	Diesel driven	N/A	600	KW	N/A	N/A	N/A	N/A	N/A	Fuel oil storage tank integral with generator.
2	CN	MP-101A/B	Rich Amine Pump (Absorber 1)	2x100% per Absorber	Horizontal Centrifugal	M6-CN-00040	1361	m ³ /h	16.1	900	N/A	N/A	N/A	API 610 design. Stainless Steel.
2	CN	MP-102A/B	Wash Water Recirculation Pump (Absorber 1)	2x100%	Horizontal Centrifugal	M6-CN-00030	1811	m ³ /h	4.9	370	N/A	N/A	N/A	Constant speed motor. Stainless steel. ANSI design
2	CN	MP-104A/B	Wash Water Recirculation Pump (Absorber 2)	2x100%	Horizontal Centrifugal	M6-CN-00070	1811	m ³ /h	4.9	373	N/A	N/A	N/A	Constant speed motor. Stainless steel. ANSI design
2	CN	MP-105A/B	Lean Amine Pump	2x100%	Horizontal Centrifugal	M6-CN-00170	2175	m ³ /h	10.4	900	N/A	N/A	N/A	API 610 design. Stainless Steel.
2	CN	MP-106A/B	Flash Drum Pump	2x100%	Horizontal Centrifugal	M6-CN-00110	548	m ³ /h	5	107	N/A	N/A	N/A	API 610 design. Stainless Steel.
2	CN	MP-107A/B	Reflux Pump	2x100%	Horizontal Centrifugal	M6-CN-00140	95	m ³ /h	5.4	45	N/A	N/A	N/A	Capacity includes an assumed constant recirc flow. Constant speed motor. Stainless steel. ANSI design
2	QG	MP-108A/B	CO2 Product Sendout Pump	2x100%	Horizontal Centrifugal	M6-QG-00100	194	m ³ /h	118	960	N/A	N/A	N/A	API 610 design. Stainless Steel.
2	BA	MP-109A/B	Flue Gas Fogger Water Supply Pump	2x100%	Horizontal Centrifugal	M6-BA-00002	65	m ³ /h	30	93	N/A	N/A	N/A	Supplied with fogger skid package. Constant speed motor. Stainless steel. ANSI design
2	CY	MP-110A/B	Fresh Amine Metering Pump	2x100%	Positive Displacement	M6-CY-00010	0.2	m ³ /h	8	1	N/A	N/A	N/A	Constant speed motor. Stainless steel. ANSI design
2	CY	MP-111A/B	Lean Amine Solvent Fill Pump	2x100%	Horizontal Centrifugal	M6-CY-00010	91	m ³ /h	7.6	45	N/A	N/A	N/A	Stainless steel. ANSI design.
2	XW	MP-112A/B	Amine Waste Sump Pump	2x100%	Vertical Centrifugal	M6-XW-00001	55	m ³ /h	3.5	11	N/A	N/A	N/A	Constant speed motor. Stainless steel. ANSI design. Located in concrete sump.
2	XW	MP-113A/B	Wastewater Forwarding Pump	2x100%	Vertical Centrifugal	M6-XW-00002	35	m ³ /h	1	7.5	N/A	N/A	N/A	Constant speed motor. Stainless steel. ANSI design. Located in concrete sump.
2	SC	MP-114A/B	LP Condensate Return Pump	2x100%	Vertical Centrifugal	M6-SC-00001	225	m ³ /h	8	75	N/A	N/A	N/A	Constant speed motor. SS impeller. ANSI design
2	WL	MP115A/B	Sea Water Cooling Pump	2x100%	Vertical Centrifugal	M6-WL-00001	17340	m ³ /h	2.1	1500	N/A	N/A	N/A	Single speed motor. Duplex stainless steel. ANSI design. Located in Owner's intake dry pit.
2	CY	MP-116A/B	Chemical Additive Metering Pump	2x100%	Positive Displacement	N/A	1	m ³ /h	7	0.37	N/A	N/A	N/A	Constant speed motor. Stainless steel. ANSI design
2	CY	MP-117A/B	Caustic Metering Pump	2x100%	Positive Displacement	N/A	0.2	m ³ /h	3.1	1	N/A	N/A	N/A	Constant speed motor. Stainless steel. ANSI design

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2	WP	MP-119A/B	Absorber makeup water pumps	2x100%	Horizontal Centrifugal	M6-WP-00010	15	m ³ /h	2	1.5	N/A	N/A	N/A	Common pumps feed both absorbers. Constant speed motor. SS impeller. ANSI design
2	WL	MP-121A/B	Sea Water Cooling Booster Pump	2x100%	Horizontal Centrifugal	M6-WL-00001	5124	m ³ /h	0.84	224	N/A	N/A	N/A	Constant speed motor. Duplex SS. ANSI design
2	WR	MP-122A/B	Raw (Softened) Water Supply Pumps	2x100%	Horizontal Centrifugal	M6-WR-00001	9	m ³ /h	1.17	1	N/A	N/A	N/A	Constant speed motor. SS impeller. ANSI design
2	CN	MP-124A/B	Rich Amine Pump (Absorber 2)	2x100% per Absorber	Horizontal Centrifugal	M6-CN-00040	1361	m ³ /h	16.1	900	N/A	N/A	N/A	API 610 design. Stainless Steel.
2	WD	MP-125A/B	Deminerlized Water Pumps	2x100%	Horizontal Centrifugal	M6-WD-00001	1	m ³ /h	7	1	N/A	N/A	N/A	Constant speed motor. SS. ANSI design
2	CN	T-101, 102	CO2 Absorber	2x50%	Vertical Column	00020, - 00050, & - 00060	N/A	N/A	N/A	N/A	11.8	44.3	N/A	Stainless steel
1	CN	T-103	Stripper	1x100%	Vertical Column	M6-CN-00120 & - 00130	N/A	N/A	N/A	N/A	6.7	43.6	N/A	Stainless steel
1	CY	MT-101	Amine Storage Tank (Concentrated)	1x100%	Horizontal	M6-CY-00010	85	m ³	N/A	N/A	TBD	TBD	N/A	Fiberglass w/Electric Heater
1	CY	MT-102	Lean Amine Solvent (35% MEA) Storage Tank	1x100%	Vertical	M6-CY-00010	1638	m ³	N/A	N/A	TBD	TBD	N/A	Stainless steel w/Electric Heater
1	WP	MT-104	Process Water Surge Tank	1x100%	Vertical	M6-WP-00010	104	m ³	N/A	N/A	TBD	TBD	N/A	Fiberglass w/Electric Heater
1	WR	MT-107	Raw (Softened) Water Storage Tank	1x100%	Vertical	M6-WR-00001	6	m ³	N/A	N/A	TBD	TBD	N/A	Fiberglass
1	CN	MT-108	Reclaimer Waste Storage Tank	1x100%		N/A		m ³	N/A	N/A	TBD	TBD	N/A	Carbon steel
1	PA	MT-109	Instrument Air Receiver	1x100%	Vertical, ASME VIII	M6-PA-00001	40	m ³	N/A	N/A	TBD	TBD	N/A	Carbon steel
1	WD	MT-110	Deminerlized Water Storage Tank	1x100%	Vertical	M6-PA-00001	2	m ³	N/A	N/A	TBD	TBD	N/A	Fiberglass
1	CN	MV-201	Semi-Lean Flash Drum	1x100%	Vertical, ASME VIII	M6-CN-00110	70	m ³	N/A	N/A	3.1	9.1	N/A	Stainless steel
1	CN	MV-202	Stripper Reflux Drum	1x100%	Vertical, ASME VIII	M6-CN-00140	60	m ³	N/A	N/A	3.7	5.5	N/A	Stainless steel
1	QG	MV-203	CO2 Compressor Suction Drum	1x100%	Vertical, ASME VIII	M6-QG-00010	75	m ³	N/A	N/A	4.0	6.0	N/A	Stainless steel
1	QG	MV-104	CO2 Compressor 1st Interstage Knockout Drum	1x100%	Vertical, ASME VIII	M6-QG-00040	23	m ³	N/A	N/A	2.7	4.1	N/A	Stainless steel
1	QG	MV-105	CO2 Compressor 2nd Interstage Knockout Drum	1x100%	Vertical, ASME VIII	M6-QG-00070	7	m ³	N/A	N/A	1.8	2.7	N/A	Stainless steel
1	QG	MV-106	CO2 Surge Drum	1x100%	Vertical, ASME VIII	M6-QG-00080	7	m ³	N/A	N/A	1.8	2.7	N/A	Stainless steel
1	SC	MV-107	LP Condensate Blowdown Tank	1x100%	Vertical, ASME VIII	M6-SC-00001	25	m ³	N/A	N/A	2.4	6.0	N/A	Carbon steel
1	BA	MS-101A/C	Flue Gas Water Fogger System	1x100%		M6-BA-00001 & - 00002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Package includes pumps, 3 foggers (1 common duct and 1 in each blower disch to absorber) and 2x100% water supply pumps.
1	CN	MS-102	Amine Reclaimer	1x100%	Shell & Tube Evaporator Type	M6-CN-00180	TBD	TBD	N/A	N/A	TBD	TBD	N/A	Including associated instrumentation.
1	CY	MS-103	Reclaimer Chemical Feed Package	1x100%		M6-CN-00190	TBD	TBD	N/A	N/A	N/A	N/A	N/A	

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1	QG	MS-104	CO2 Drying Package	1x100%	Regenerative, Closed Loop blower type	M6-QG-00080	71078	m ³ /hr	N/A	N/A	5.5 (W) x 5.5 (L)	5.2	N/A	304 SS piping, valves and vessel.
2	PA	MS-105A/B	Instrument Air Dryer	2x100%	Desiccant; Dual Columns Nonrefrigerent with Prefilters After Filters	M6-PA-00001	500	m ³ /hr	N/A	N/A	TBD	TBD	N/A	
8	PW		Emergency Shower	1x100%	Heated	M6-PW-00001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Uses potable water
2	BA	MD-008A/B	Common Flue Gas Duct Isolation Damper	2x100%	Motor Actuated Guillotine Type. Each 6.2m x 6.2m	M6-BA-00001	N/A	N/A	N/A	TBD	N/A	N/A	N/A	Damper package includes seal air fan skid containing 1x100% fan. Damper and damper housing material is carbon steel.
2	BA	MD-034A/B	Flue Gas Duct Isolation Damper (Absorber 1)	2x100%	Motor Actuated Guillotine Type. Each 6.2m x 3.1m	M6-BA-00001	N/A	N/A	N/A	TBD	N/A	N/A	N/A	The two-damper package for each blower includes a seal air fan skid containing 1x100% fan. Damper and housing material is stainless steel.
2	BA	MD-060A/B	Flue Gas Duct Isolation Damper (Absorber 2)	2x100%	Motor Actuated Guillotine Type. Each 6.2m x 3.1m	M6-BA-00001	N/A	N/A	N/A	TBD	N/A	N/A	N/A	The two-damper package for each blower includes a seal air fan skid containing 1x100% fan. Damper and housing material is stainless steel.
4	BA		Flue Gas Expansion Joint (Common Duct)		Each 6.2m x 6.2m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Damper and housing material is Carbon Steel.
4	BA		Flue Gas Expansion Joint (Common Duct)		Each 6.2m x 6.2m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Damper and housing material is Stainless Steel.
6	BA		Flue Gas Expansion Joint (Blower Duct)		Each 6.2m x 3.1m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Damper and housing material is Stainless Steel.
1	BA	PV-002	Stack Damper Actuator	1x100%	Add pneumatic actuator to existing damper located in the CCPP 7m dia stack. Also add local volume air tank for two full strokes and quick opening solenoid (<1sec opening).	M6-BA-00001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Stainless steel air tank.
2	BA	PV-035 & -061	Control Damper at Inlet of Each Blower		Pneumatic. Each 6.2m x 3.1m	M6-BA-00001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Stainless Steel.
8	PF		Fire Hydrants and Hose Houses			M6-PF-00001	TBD	TBD	N/A	N/A	N/A	N/A	N/A	
10	PF		Fire Extinguishers	1x100%	Handheld (ABC Dry Powder)	N/A	TBD	TBD	N/A	N/A	N/A	N/A	N/A	Quantity as required.
1	PF		Fire Extinguishers	1x100%	Wheeled (ABC Dry Powder)	N/A	TBD	TBD	N/A	N/A	N/A	N/A	N/A	Quantity as required.

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10	PF		Fire Extinguishers	1x100%	Handheld (CO2)	N/A	TBD	TBD	N/A	N/A	N/A	N/A	N/A	Quantity as required.
9	PW		Emergency Eyewash	1x100%	Heated	M6-PW-00001	TBD	TBD	N/A	N/A	N/A	N/A	N/A	Uses bottled water
1	PF		Wet Pipe Sprinkler System - CO2 Compressor Area	1x100%	Automatic	M6-PF-00001	TBD	TBD	N/A	N/A	N/A	N/A	N/A	
1	PF		Fire and Gas Detection System	1x100%		N/A	TBD	TBD	N/A	N/A	N/A	N/A	N/A	
2	VB		Control/Workshop/Stores Bldg HVAC Units (Control & Admin Areas Only)	2x100%	32 Tons	N/A	110 kW		N/A	N/A	N/A	N/A	N/A	
4	VB		Control/Workshop/Stores Bldg Vent Fans (Workshop & Stores Areas Only)	4x25%	21,000 m3/hr	N/A	3.7 kW		N/A	N/A	N/A	N/A	N/A	
6	VB		Control/Workshop/Stores Bldg Electric Unit Heaters (Workshop & Stores Areas Only)	6x17%		N/A	15 kW		N/A	N/A	N/A	N/A	N/A	
5	VB		CO2 Compressor Bldg Ventilation Fans (Compressor area)	5X25%	26,000 m3/hr	N/A	3.5 kW		N/A	N/A	N/A	N/A	N/A	
2	VB		CO2 Compressor Bldg Ventilation Fans (VFD Area)	2x100%	24,500 m3/hr	N/A	2.2 kW		N/A	N/A	N/A	N/A	N/A	
2	VB		CO2 Compressor Bldg Ventilation Fans (Water Treatment Area)	2x100%	10,000 m3/hr	N/A	1.1 kW		N/A	N/A	N/A	N/A	N/A	
8	VB		CO2 Compressor Bldg Electric Unit Heaters (Compressor Area)	8x14.5%		N/A	15 kW		N/A	N/A	N/A	N/A	N/A	
2	VB		CO2 Compressor Bldg Electric Unit Heaters (VFD Area)	2X50%		N/A	15 kW		N/A	N/A	N/A	N/A	N/A	
1	VB		CO2 Compressor Bldg Electric Unit Heaters (Water Treatment Area)	1x100%		N/A	15 kW		N/A	N/A	N/A	N/A	N/A	
3	VB		Blower Bldg Ventilation Fans (Absorber 1)	3x33%	22,000 m3/hr	N/A	2.2 kW		N/A	N/A	N/A	N/A	N/A	
4	VB		Blower Bldg Electric Unit Heaters (Absorber 1)	4x25%		N/A	15 kW		N/A	N/A	N/A	N/A	N/A	
3	VB		Blower Bldg Ventilation Fans (Absorber 2)	3x33%	22,000 m3/hr	N/A	2.2 kW		N/A	N/A	N/A	N/A	N/A	
4	VB		Blower Bldg Electric Unit Heaters (Absorber 2)	4x25%		N/A	15 kW		N/A	N/A	N/A	N/A	N/A	
1	VB		Lube Oil Storage Bldg Ventilation Fan	1x100%	1,500 m3/hr	N/A	0.2 kW		N/A	N/A	N/A	N/A	N/A	
1	VB		Lube Oil Storage Bldg Unit Heater	1x100%		N/A	1 kW		N/A	N/A	N/A	N/A	N/A	
2	VB		CO2 Compressor Bldg HVAC Units (Analyzer Room)	2x100%	1.5 Tons	N/A	5 kW		N/A	N/A	N/A	N/A	N/A	
2	VB		Electrical Bldg HVAC Units	2x100%	25 Tons	N/A	80 kW		N/A	N/A	N/A	N/A	N/A	
2	VB		Battery Room Exhaust Fans	2x100%	Explosion proof	N/A	0.2 kW		N/A	N/A	N/A	N/A	N/A	
2	VB		CGMS Shelter HVAC Units	2x100%	1 Ton	N/A	3 kW		N/A	N/A	N/A	N/A	N/A	

Mechanical Equipment List														
CO2 Karsto Project														
Job No: 25474														
Document No.: 25474-000-M0X-0000-00001														
Rev. No.: 1														
Project Qty	System Code	Tag No.	Item Description	Capacity Per Component	Type	P&ID	Nominal or Rated	Units (Each)	Diff. bar	Motor (Rated) kW	I.D./W m	H/T-T m	Surf Area m ²	Metallurgy / Remarks
2	WD		Desalination Equipment	2x100%	2-Pass Reverse Osmosis	M6-WD-00001	8	m ³ /h	N/A	N/A	TBD	TBD	N/A	FRP Housing; Packaged unit complete with filters, pumps, chemical feed skids, clean in place skid, etc.

Note: This mechanical equipment list provides preliminary data, scope, and quantities that may be subject to change during final engineering design.