

GASIFICATION PROJECT LIQUIDATION USA

VESSELS/REACTORS

Item #	Gallons	Dia x Length	PSI @ Temp	Material	Top/Bottom Heads
<u>112931</u>	60000	10'0" x 100'0"	50 @ 450	CS	Dished/Dished
<u>112932</u>	60000	10'0" x 100'0"	50 @ 450	CS	Dished/Dished
<u>112882</u>	31523	16'6" x 8'4"	725 @ 800	321SS Cladded	Hemi/Hemi
<u>112883</u>	31523	16'6" x 8'4"	725 @ 800	321SS Cladded	Hemi/Hemi
<u>112888</u>	31523	16'6" x 8'4"	725 @ 800	321SS Cladded	Hemi/Hemi
<u>112891</u>	31523	16'6" x 8'4"	725 @ 800	321SS Cladded	Hemi/Hemi
<u>112831</u>	30837	16'6" x 5'5"	725FV @ 600	321SS Cladded	Hemi/Hemi
<u>112889</u>	30837	16'6" x 5'5"	725FV @ 600	321SS Cladded	Hemi/Hemi
<u>112892</u>	30387	16'6" x 5'5"	725FV @ 600	321SS Cladded	Hemi/Hemi
<u>112834</u>	30387	16'6" x 5'5"	725FV @ 600	321SS Cladded	Hemi/Hemi
<u>112933</u>	26000	9'6" x 47'8"	200 @ 195	321SS Cladded	Dished/Dished
<u>112884</u>	25000	14'0" x 20'0"	600 @ 240	321SS Cladded	Dished/Dished
<u>112960</u>	25000	11'0" x 33'8"	975 @ 250	CS	Dished/Dished
<u>112961</u>	25000	11'0" x 33'8"	975 @ 250	CS	Dished/Dished
<u>112962</u>	25000	11'0" x 33'8"	975 @ 250	CS	Dished/Dished
<u>112828</u>	25000	14'0" x 20'0"	600 @ 240	321SS Cladded	Dished/Dished
<u>112959</u>	25000	11'0" x 33'8"	975 @ 250	CS	Dished/Dished
<u>112964</u>	25000	11'0" x 33'8"	975 @ 250	CS	Dished/Dished
<u>112963</u>	25000	11'0" x 33'8"	975 @ 250	CS	Dished/Dished
<u>112930</u>	20000	9'0" x 40'0"	50 @ 450	CS	Dished/Dished
<u>112829</u>	18200	14'0" x 6'3"	620 @ 425	CS	Hemi/Hemi
<u>112832</u>	18200	14'0" x 6'3"	620 @ 425	CS	Hemi/Hemi
<u>112887</u>	18200	14'0" x 6'3"	620 @ 425	CS	Hemi/Hemi
<u>112890</u>	18200	14'0" x 6'3"	620 @ 425	CS	Hemi/Hemi
<u>112830</u>	15800	12'6" x 8'9"	585 @ 105	CS	Hemi/Hemi
<u>112939</u>	15800	12'6" x 8'9"	585 @ 105	CS	Hemi/Hemi
<u>112833</u>	15800	12'6" x 8'9"	585 @ 105	CS	Hemi/Hemi
<u>112938</u>	15800	12'6" x 8'9"	585 @ 105	CS	Hemi/Hemi
<u>112929</u>	13000	9'0" x 25'6"	50 @ 400	321SS Cladded	Dished/Dished



Louisiana Chemical Equipment Company, LLC
 (281) 471-4900
sales@LCEC.com www.LCEC.com



GASIFICATION PROJECT LIQUIDATION USA

VESSELS/REACTORS

Item #	Gallons	Dia x Length	PSI @ Temp	Material	Top/Bottom Heads
<u>112880</u>	12750	10'0" x 20'0"	25 @ 300	CS	Dished/Dished
<u>112881</u>	12000	8'0" x 30'0"		CS	Dished/Dished
<u>112979</u>	11500	12'0" x 11'8"	115 @ 120	304LSS Cladded	Dished/Dished
<u>112935</u>	10000	8'0" x 24'6"	50 @ 355	Duplex 2205	Dished/Dished
<u>112843</u>	9700	8'0" x 12'0"	325 @ 110	CS	Dished/Dished
<u>112845</u>	9700	8'0" x 12'0"	325 @ 110	CS	Dished/Dished
<u>113011</u>	8000	8'0" x 20'0"	785 @ 150	CS	Dished/Dished
<u>113012</u>	8000	8'0" x 30'0"	896 @ 260	CS	Dished/Dished
<u>113013</u>	8000	8'0" x 20'0"	785 @ 150	CS	Dished/Dished
<u>113014</u>	8000	8'0" x 20'0"	785 @ 150	CS	Dished/Dished
<u>113015</u>	8000	8'0" x 20'0"	785 @ 150	CS	Dished/Dished
<u>113016</u>	8000	8'0" x 20'0"	785 @ 150	CS	Dished/Dished
<u>112928</u>	6750	8'0" x 16'0"	50 @ 800	CS	Dished/Dished
<u>112980</u>	3500	1'6" x 8'8"	240 @ 187	304LSS Cladded	Dished/Dished
<u>112796</u>	3100	5'0" x 20'0"	55 @ 180	CS	Dished/Dished
<u>112844</u>	1200	4'0" x 10'0"	610 @ 105	CS	Dished/Dished
<u>112846</u>	1200	4'0" x 10'0"	610 @ 105	CS	Dished/Dished
<u>112934</u>	700	3'6" x 8'0"	155 @ 110	CS	Dished/Dished
<u>112936</u>	475	3'0" x 6'8"	315 @ 130	CS	Dished/Dished



Louisiana Chemical Equipment Company, LLC
 (281) 471-4900
sales@LCEC.com www.LCEC.com



GASIFICATION PROJECT LIQUIDATION USA

FILTERS

Item #	Dia.	Sq. Ft.	Type	Material	PSI - Temp	Model	MFG
<u>112966</u>	3'0"	2000	Plate and Frame	CS Frame	225 PSI	M1200FBM	FLSMIDTH
<u>112967</u>	3'0"	2000	Plate and Frame	CS Frame	225 PSI	M1200FBM	FLSMIDTH
<u>112968</u>	3'0"	2000	Plate and Frame	CS Frame	225 PSI	M1200FBM	FLSMIDTH
<u>112806</u>	5'6"	500	Candle Filter	316LSS	150 @ 350	CF21	BHS Filtration Inc.
<u>112807</u>	5'6"	500	Candle Filter	316LSS	150 @ 350	CF21	BHS Filtration Inc.
<u>112808</u>	5'6"	500	Candle Filter	316LSS	150 @ 350	CF21	BHS Filtration Inc.
<u>112842</u>	5'0"		Cartridge	CS	585 @ 105	601VF	Southwest Filter Company
<u>112954</u>	4'0"		Cartridge	CS	200 @ 555	36476-S180-4-6FK2	Parker/Domnick Hunter
<u>112955</u>	5'0"		Cartridge	CS	585 @ 105	601VF	Southwest Filter Company

COLUMNS

Item #	Dia/Width	Length	Material	Shell PSI @ Temp
<u>112878</u>	14'0"	58'8"	Inconel 625 Cladded & 321SS Cladded	725 @ 600
<u>112827</u>	10'0"	40'0"	321SS Cladded	585 @ 115
<u>112879</u>	10'0"	40'0"	321SS Cladded	585 @ 115
<u>112917</u>	5'0"	118'8"	Inconel 600 Cladded	145 @ 370
<u>112918</u>	2'8"	56'10"	321SS Cladded	310 @ 365

COLUMNS DBL DIA

Item #	Bottom Dia.	Top Dia.	Length	Material Bottom/Top	PSI @ Temp
<u>112916</u>	3'1"	5'1"	89'8"	321SS Cladded/321SS Cladded	195 @ 390

TANKS

Item #	Gallons	Dia/Width	Length	PSI @ Temp	Material	V/H
<u>112797</u>	42600	14'0"	38'0"	ATMOS	CS	V
<u>112919</u>	28000	14'0"	25'0"	ATMOS	CS	V
<u>112795</u>	15000	10'0"	25'6"	ATMOS	CS	V



Louisiana Chemical Equipment Company, LLC
 (281) 471-4900
sales@LCEC.com www.LCEC.com



GASIFICATION PROJECT LIQUIDATION USA

EXCHANGERS

Item #	Sq. Ft.	Material	S PSI Temp	T PSI Temp
<u>112838</u>	34970	CS/321SS/321SS Clad	35	605
<u>112801</u>	26500	CS/Duplex 2205/CS	350	150
<u>112841</u>	18154	CS/321SS/321SS Clad	150	590
<u>112906</u>	18154	CS/321SS/321SS Clad	150	590
<u>112800</u>	12700	CS/CS/CS	550	350
<u>112802</u>	12580	CS - Frames/Titanium Gr. 1 - Plates	185	185
<u>112803</u>	12580	CS - Frames/Titanium Gr. 1 - Plates	185	185
<u>112804</u>	12580	CS - Frames/Titanium Gr. 1 - Plates	185	185
<u>112805</u>	12580	CS - Frames/Titanium Gr. 2 - Plates	185	185
<u>112798</u>	12580	CS - Frame/Titanium Gr. 1 Plates	185	185
<u>112799</u>	12580	CS - Frame/Titanium Gr. 1 Plates	185	185
<u>112943</u>	10000	CS - Plates/Titanium Gr. 1 Plates	175FV	175FV
<u>112944</u>	10000	CS- Frame/Titanium Gr. 1 Plates	175FV	175FV
<u>112945</u>	10000	CS- Frame/Titanium Gr. 1 Plates	175FV	175FV
<u>112946</u>	10000	CS- Frame/Titanium Gr. 1 Plates	175FV	175FV
<u>112941</u>	10000	CS - Frames/Tutabuyn Gr. 1- Plates	175FV	175FV
<u>112942</u>	10000	CS - Frames/Titanium Gr. 1- Plates	175FV	175FV
<u>112901</u>	8700	321SS Clad/321SS/321SS Clad	725	630
<u>112902</u>	8700	321SS Clad/321SS/321SS Clad	725	630
<u>112836</u>	8700	321SS Clad/321SS/321SS Clad	725	630
<u>112837</u>	8700	321SS Clad/321SS/321SS Clad	725	630
<u>112856</u>	8366	CS/CS/CS	355	335
<u>112860</u>	8366	CS/CS/CS	355	335
<u>112898</u>	8200	CS/CS/CS	1250FV	725
<u>112907</u>	8100	CS/CS/CS	1250FV	725
<u>112900</u>	7000	321SS Clad/321SS/321SS Clad	725	725
<u>112895</u>	7000	321SS/321SS/321SS Clad	725	725
<u>112896</u>	6180	321SS/321SS/CS	725FV	585
<u>112905</u>	5700	CS/321SS/CS	350	595
<u>112840</u>	5600	CS/321SS/CS	350	595
<u>112835</u>	5598	321SS/321SS/CS	630	815



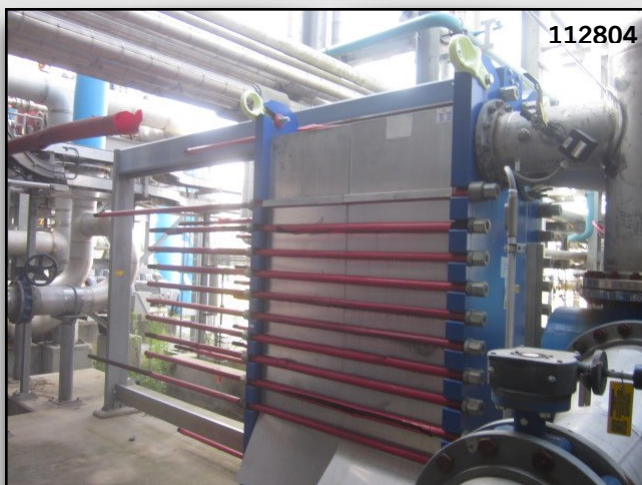
Louisiana Chemical Equipment Company, LLC
 (281) 471-4900
sales@LCEC.com www.LCEC.com



GASIFICATION PROJECT LIQUIDATION USA

EXCHANGERS

Item #	Sq. Ft.	Material	S PSI Temp	T PSI Temp
<u>112899</u>	5598	321SS/321SS/CS	630	815
<u>112903</u>	5200	321SS/321SS/CS	725FV	585
<u>112854</u>	5200	CS/316LSS/316LSS	150	355
<u>112947</u>	5085	CS/Incoloy 825	176	25
<u>112894</u>	4822	CS/CS/CS	455	815
<u>112839</u>	4701	CS/Duplex 2205/321SS Clad	585	610
<u>112904</u>	4701	CS/Duplex 2205/321SS Clad	585	610
<u>112855</u>	4338	CS/CS/CS	335	840
<u>112859</u>	4338	CS/CS/CS	335	840
<u>112950</u>	3790	CS/CS/CS	356FV	182FV
<u>112949</u>	3185	CS/Inconel 625	455	165
<u>112951</u>	2075	CS/CS/CS	150FV	150FV
<u>112948</u>	1241	CS/CS/CS	455FV	205
<u>112965</u>	1172	CS/CS/CS	158	185
<u>112953</u>	1100	CS/CS/CS	310FV	150FV
<u>112897</u>	959	CS/CS/CS	215	792
<u>112952</u>	500	CS/CS/CS	455FV	320FV
<u>112858</u>	450	CS/SS/SS	150	355
<u>112857</u>	110	CS/CS/CS	242	650
<u>112861</u>	110	CS/CS/CS	242	650



Louisiana Chemical Equipment Company, LLC
 (281) 471-4900
sales@LCEC.com www.LCEC.com



GASIFICATION PROJECT LIQUIDATION USA

PUMPS - CENTRIFUGAL

Item #	HP	Driver Type	Case Material	V/H	Size	MFG
<u>112915</u>	6490	Motor	Ductile Iron	H	18x16x30	Goulds
<u>112956</u>	1950	Motor	Ductile Case Iron	H	30x30x31	Goulds
<u>112957</u>	1950	Motor	Ductile Case Iron	H	30x30x31	Goulds
<u>112958</u>	1950	Motor	Ductile Case Iron	H	30x30x31	Goulds
<u>112912</u>	1400	Motor	Ductile Iron	H	18x16x30	Goulds
<u>112913</u>	1400	Motor	Ductile Iron	H	18x16x30	Goulds
<u>112819</u>	1185	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112914</u>	1180	Motor	Ductile Iron	H	18x16x30	Goulds
<u>112820</u>	1185	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112821</u>	1185	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112815</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112816</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112817</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112818</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112819</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112820</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112821</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112824</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112825</u>	450	Motor	CD4MCUM (Duplex)	H	14x12x22	Goulds
<u>112822</u>	400	Motor	CD4MCUM (Duplex)	H	5x4x10	Goulds
<u>112823</u>	400	Motor	CD4MCUM (Duplex)	H	5x4x10	Goulds
<u>112908</u>	350	Motor		H	6x5x11	Goulds
<u>112909</u>	350	Motor		H	6x5x11	Goulds
<u>112910</u>	350	Motor	12% Chrome	H	4x2.5x8	Goulds
<u>112911</u>	350	Motor	12% Chrome	H	4x2.5x8	Goulds
<u>112969</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds
<u>112970</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds
<u>112971</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds
<u>112972</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds
<u>112973</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds
<u>112974</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds
<u>112975</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds



Louisiana Chemical Equipment Company, LLC
 (281) 471-4900
sales@LCEC.com www.LCEC.com



GASIFICATION PROJECT LIQUIDATION USA

PUMPS - CENTRIFUGAL

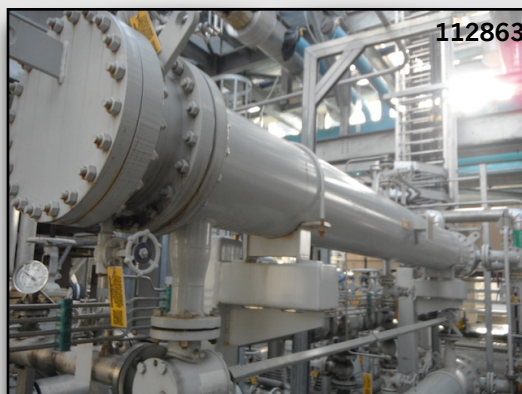
Item #	HP	Driver Type	Case Material	V/H	Size	MFG
<u>112976</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds
<u>112977</u>	200	Motor	HC600 Chrome Molly	H	14x12x22	Goulds
<u>112810</u>	50	Belt	CS/Rubber Lined	H	4x4x12	Krebbs
<u>112811</u>	50	Belt	CS/Rubber Lined	H	4x4x12	Krebbs
<u>112812</u>	50	Belt	CS/Rubber Lined	H	4x4x12	Krebbs
<u>112813</u>	50	Belt	CS/Rubber Lined	H	4x4x12	Krebbs
<u>112814</u>	50	Belt	CS/Rubber Lined	H	4x4x12	Krebbs
<u>112826</u>	40	Motor	HC600 Chrome Molly	H	6x4x14	Goulds

COMPRESSORS - ROTARY SCREW

Item #	ACFM	HP	RPM	Model	MFG
<u>112978</u>	9436	1250	3550	KS50LX	Kobelco

COMPRESSORS - CENTRIFUGAL

Item #	HP	RPM	ACFM	MODEL	MFG
<u>112866</u>	25521	1200	77858	STC-GV80-7	Siemens
<u>112867</u>	25521	1200	77858	STC-GV80-7	Siemens
<u>112868</u>	25521	1200	77858	STC-GV80-7	Siemens
<u>112869</u>	25521	1200	77858	STC-GV80-7	Siemens
<u>112862</u>	20866	1800	150788	STC-GV (16-4-H)	Siemens
<u>112863</u>	20866	1800	150788	STC-GV (16-4-H)	Siemens
<u>112864</u>	2800	12053	2944	15MB3	Elliott
<u>112865</u>	2800	12053	2944	15MB3	Elliott



Louisiana Chemical Equipment Company, LLC
(281) 471-4900
sales@LCEC.com www.LCEC.com



OTHER UNITS AVAILABLE

SELEXOL CO2 REMOVAL PLANT AVAILABLE CONSISTING OF TWO SEPARATE LINES

EACH LINE CAN PROCESS ABOUT 536 MMSCFD OF SYNGAS TO REMOVE CO2 FROM
22.37 MOLE% DOWN TO ~0.5 MOLE% AND 3130 PPM H2S DOWN TO <5 PPMV.
NORMAL OPERATING CAPACITY ~509 MMSCFD PER LINE.



ANHYDROUS AMMONIA LOADING SYSTEM

Capacity	Dia.	T/T	V/H	Material	PSI - Temp	Heads	Code - Year	MFG
50,000	12'6"	52'0"	H	Carbon Steel	350FV @ 250	Dished	NB Coded - 2012	Quality Welding
50,000	12'6"	52'0"	H	Carbon Steel	350FV @ 250	Dished	NB Coded - 2012	Quality Welding
50,000	12'6"	52'0"	H	Carbon Steel	350FV @ 250	Dished	NB Coded - 2012	Quality Welding
50,000	12'6"	52'0"	H	Carbon Steel	350FV @ 250	Dished	NB Coded - 2012	Quality Welding



Louisiana Chemical Equipment Company, LLC
(281) 471-4900
sales@LCEC.com www.LCEC.com

