

# Specialty Chemical Plant Liquidation

## Columns

Item #	Dia x Length	Material	Shell PSI @ Temp	Trayed/Packed		
108912	8" x 32'4"	304LSS	150FV @ 400	Packed		
108913	1'8" x 60'0"	304LSS	100 @ 400	43 Trays		
108914	6"3/8" x 11'6"	304LSS	ATMOS	Packed		
108915	1'8" x 60'0"	304LSS	100 @ 450	60 Trays		
108916	10"7/8" x 24'0"	304LSS	100FV @ 400	Packed		
108917	1'0"7/8" x 20'0"	304LSS	50FV @ 250	Packed		

## Plate Exchangers

Item #	Sq. Ft.	Material: Shell/Tube/Head	Shell PSI @ Temp	Tube PSI @ Temp		
109012	1.36	CS Frame/316SS Plates	150 @ 300	150 @ 300		
109005	1.4	CS Frame/316SS Plates	150 @ 300	150 @ 300		
108981	7.37	CS Frame/316SS Plates	150 @ 347	150 @ 347		
108982	7.37	CS Frame/316SS Plates	150 @ 300	150 @ 300		
109001	7.4	CS Frame/316SS Plates	145 @ 356	145 @ 356		
108993	21	CS Frame/316SS Plates	150 @ 320	150 @ 320		
108989	25	CS Frame/316SS Plates	145 @ 350	145 @ 350		
108996	25	CS Frame/316SS Plates	145 @ 350	145 @ 350		
108999	47.4	CS Frame/316SS Plates	145 @ 302	145 @ 302		
108990	49.8	CS Frame/316SS Plates	145 @ 302	145 @ 302		
108992	68	CS Frame/316SS Plates	150 @ 350	150 @ 350		
108997	177	CS Frame/316SS Plates	150 @ 305	150 @ 305		
108991	177	CS Frame/316SS Plates	150 @ 200	150 @ 200		
108994	297	CS Frame/316SS Plates	150 @ 200	150 @ 200		

## Block and Spiral Exchangers

Item #	Sq. Ft.	Material: Shell/Tube/Head	Shell PSI	Tube PSI		
108987	300	316LSS/316LSS/316SS CLAD	150 @ 550	150 @ 550		

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## Shell and Tube Exchangers

Item #	Sq. Ft.	Material: Shell/Tube/Head	Shell PSI @ Temp	Tube PSI @ Temp		
109014	4	316LSS/316LSS/316LSS	150 @ 375	150 @ 375		
109024	8	304SS/304SS/304SS	150FV @ 375	150FV @ 375		
109013	10.82	316LSS/316LSS/316LSS	150 @ 375	150 @ 375		
109016	16.4	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
109017	16.4	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
109018	16.4	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
109019	16.4	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
109020	16.4	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
109021	16.4	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
109011	39.59	304LSS/304LSS/304LSS	150 @ 400	150 @ 400		
109023	39	304SS/316SS/316SS	150FV @ 375	150FV @ 375		
109003	44	304LSS/304LSS/304LSS	200 @ 400	200 @ 400		
109009	70	304LSS/304LSS/304LSS	300 @ 450	150 @ 400		
108986	87	304LSS/304LSS/304LSS	100 @ 212	15FV @ 300		
108985	102	304LSS/304LSS/304LSS	100 @ 212	15FV @ 300		
109004	104	304LSS/304LSS/304LSS	150 @ 400	150 @ 400		
109007	106	304LSS/304LSS/304LSS	150 @ 400	150FV @ 400		
109015	110	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
109022	110	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
108988	117	304LSS/Duplex 2205/Dulex 2205	205FV	230FV		
108995	117	304LSS/304LSS/304LSS	205FV @ 305	205FV @ 305		
109006	246	304LSS/304LSS/304LSS	150 @ 375	150 @ 375		
108984	350	304SS/304SS/304SS	150FV @ 400	150FV @ 400		

## Blenders and Mixers

Item #	Cubic Feet	Material	Model	MFG.		
109038	50	CS	Dual Shaft Paddle	National Bulk Equipment		
109039	20	CS	SSHPA21/0609	MAC (Hayes & Stolz)		
109048	44	CS	CFPB-044	American Process Systems		
109049	44	CS	CFPB-044	American Process Systems		
109027	50	Sanitary Polished 304LSS	DPB-50	American Process Systems		
109028	50	Sanitary Polished 304LSS	DPB-50	American Process Systems		
109029	125	Sanitary Polished 304LSS	PPB-125	American Process Systems		
109030	60	Sanitary Polished 304LSS	DPB-60	American Process Systems		

# Specialty Chemical Plant Liquidation

## Tanks

Item #	Gallons	Dia/Width	Length	PSI @ Temp	V/H	Material
108932	28	1'6"	2'0"	5 @ 248	V	316LSS
108936	52	2'0"	2'1"	ATMOS	V	304LSS
108949	86	2'0"	4'0"	ATMOS	V	304LSS
108934	105	2'0"	5'0"	ATMOS	V	304LSS
108925	180	2'6"	3'0"	ATMOS	V	SS
108922	191	3'0"	3'0"	150FV @ 350	V	304LSS
108950	225	1'8"	20'0"	ATMOS	V	304LSS
108951	225	1'8"	20'0"	ATMOS	V	304LSS
108952	225	1'8"	20'0"	ATMOS	V	304LSS
108953	225	1'8"	20'0"	ATMOS	V	304LSS
108955	225	1'8"	20'0"	ATMOS	V	304LSS
108948	276	3'8"	3'8"	ATMOS @ 212	V	304LSS
108938	326	3'6"	4'2"	ATMOS	V	304LSS
108923	500	4'0"	4'6"	5 @ 250	V	316LSS
108924	500	4'0"	4'6"	5 @ 250	V	316LSS
108942	740	4'6"	6'4"	ATMOS @ 302	V	304LSS
108943	740	4'6"	6'4"	ATMOS	V	304LSS
108933	880	4'6"	6'10"	ATMOS	V	304LSS
108926	1056	5'0"	7'2"	5 @ 140	V	304LSS
108954	1360	5'0"	8'8"	ATMOS	V	304LSS Sanitary
108944	3200	8'0"	8'6"	ATMOS	V	304LSS
108935	3380	6'6"	14'2"	ATMOS	V	CS
108945	4260	7'0"	13'4"	ATMOS	V	304L Sanitary SS
108946	4260	7'0"	13'4"	ATMOS	V	304L Sanitary SS
108947	4260	7'0"	13'4"	ATMOS	V	304L Sanitary SS
108939	5500	7'6"	16'10"	ATMOS	V	304LSS
108940	5500	7'6"	16'10"	ATMOS	V	CS
108941	9500	12'0"	11'8"	ATMOS	V	CS

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## Specialty Items

Item #	Category	Subclass/Type	Model	MFG.	Size
109033	Centrifuge	Decanter	SF2-100	Alfa Laval	200MM Bowl
109034	Filter	Filter Press	PKF 100 NG-2	Putsch Group	1020 Sq. Ft.
109041	Grinder	Mills	HSM-405	Ross Mixer	4" x 3"
N/A	Chiller	R134A	RTHDUC2F	Trane	
N/A	Thermal Oxidizer	Catalytic		Epcon	850 scfm 1600 deg F

## Stainless Steel Vessels/Reactors


Item #	Shell Material	Gallons	Dia x Length	Shell PSI @ Temp	Top/Bottom Heads
108978	304LSS	8	1'1" x 1'11"	150 @ 212	Dished/Dished
108972	304LSS	95	2'0" x 4'0"	51 @ 320	Flanged Dished/Welded Dished
108929	304LSS	129	2'6" x 3'4"	50 @ 257	Dished/Dished
108967	316LSS	132	2'6" x 4'0"	50 @ 320	Flanged Dished/Welded Dished
108968	316LSS	132	2'6" x 4'0"	50 @ 320	Flanged Dished/Welded Dished
108928	304LSS	190	3'6" x 3'10"	50 @ 302	Dished/Dished
108931	304LSS	200	3'0" x 3'0"	100 @ 400	Dished/Dished
108937	304LSS	200	3'0" x 3'0"	100 @ 400	Dished/Dished
108977	304LSS	242	2'11" x 3'10"	150 @ 300	Dished/Dished
108964	304LSS	723	3'4" x 10'10"	150 @ 302	Dished/Dished
108966	304LSS	1054	4'0" x 8'0"	15 @ 248	Flanged Dished/Welded Dished
108970	304LSS	1585	6'0" x 7'0"	5 @ 250	Dished/Dished
108974	304LSS	1864	5'6" x 11'0"	73 @ 351	Dished/Dished
108975	304LSS	1864	5'6" x 11'0"	73 @ 351	Dished/Dished
108976	304LSS	1864	5'6" x 11'0"	73 @ 351	Dished/Dished
108971	304LSS	2000	5'6" x 11'4"	5 @ 250	Dished/Dished
108973	304LSS	2365	5'6" x 12'9"	51 @ 320	Dished/Dished
108969	304LSS	7920	9'0" x 15'10"	2 @ 250	Dished/Dished

# Specialty Chemical Plant Liquidation


## Laboratory Equipment

Item #	Description			
N/A	Miscellaneous spares inventory			

## Process Units/Lines

Item #	Description	Images
109025	Molecular Sieve (Skidded Dehydration System) Manufactured by Thermal Kinetics (self supported Modular System) Thermal Kinetics engineering (TKE) Ethanol Dehydration System is designed to produce Dry Ethanol for three different operating conditions. The wet ethanol vapor stream can be supplied at 18, 42, and 87 PSIA.	

## Water Treatment

Item #	Description	Images
109026	Multi Stage NanoFiltrationWater System Built in 2009; mounted on skid with NanoFilter housings, pumps, exchangers, instrumentation and controls.	

In Conjunction with Louisiana Chemical Equipment Co, LLC  
 mguelfo@gordonbrothers.com www.gordonbrothers.com  
 770-329-9761