



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OCP-8303	CORPOVEN S.A. EL PALITO REFINERY FORCED DRAFT AIR COOLED UNITS	2	G1-101 NAFTA CONDENSER	3658 X 12192	363X1"ØXBWG16	CARBON STEEL	19 & 10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1983	68
OPQ-8403	PEQUIVEN S.A. EL TABLAZO INDUCED DRAFT AIR COOLED UNITS	2	E-15	2196 X 12650	79X1"ØXBWG12	CARBON STEEL	6 5/8"Ø X 25	CARBON STEEL	TEMA,ANSI	1984	89
		2	E-6	2418 X 12770	178X1"ØXBWG16		19/15/16/14/13		ASME,API		
		2	E-8	2308 X 12605	170X1"ØXBWG16		19/13/10		CLIENT		
OCP-8405	CORPOVEN S.A. PTO. LA CRUZ CRYOGENIC JOSE PLANT FORCED DRAFT AIR COOLED UNITS	30	D2.50615	3627 X 12192	242X1"ØXBWG12	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI	1984	1733
		26	D2.50508	4236 X 12192	328X1"ØXBWG12		25/16/13		ASME,API CLIENT SPECS		
OCV-8410	INTEVEP, S.A. FORCED DRAFT AIR COOLED UNITS	1	TEST UNIT	1219 X 1454	114X5/8"ØXBWG16	CARBON STEEL	21 & 12	CARBON STEEL	TEMA,ANSI ASME,API CLIENT	1984	1.30
OCP-8418	CORPOVEN S.A. EL PALITO REFINERY FORCED DRAFT AIR COOLED UNITS	1	C-401	2590 X 9860	243X1"ØXBWG16	CARBON STEEL	35/16/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1984	152.3
		1	C-402	2590 X 9860	243X1"ØXBWG16		35/19/16/13				
		1	C-403	2900 X 9860	273X1"ØXBWG16		35/25/23/16				
		1	C-407	2718 X 9860	340X1"ØXBWG16		35/13/10				
		1	C-410	2900 X 9860	182X1"ØXBWG16		35/16/10				
OCV-8456	PAPELES MARACAY, TUBE BUNDLE	1	VAPOR HEATER	1418 X 1760	98X1"ØXBWG12	CARBON STEEL	2" Ø, SCH.40	CARBON STEEL	ASME,API	1984	0.97
OMN-8520	MENEVEN S.A. SAN TOME GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	1	NATURAL GAS	1758 X 6414	89X1"ØXBWG16	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI ASME,API	1985	34.8
		1	WATER	2669 X 6374	360X1"ØXBWG16	ADMIRALTY	25/13/10	CLIENT SPECS			



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OCV-8597	MARAVEN S.A. CARDON REFINERY INDUCED DRAFT AIR COOLED UNITS COLUMN CONDENSERS	14	E-105 (A1-G1) E-105 (A2-G2)	2342 X 9225	186X1"ØXBWG14	CARBON STEEL	35/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1985	267
OLG-8599	LAGOVEN S.A. GLP PLANT MARACAIBO, 1500 REFINERY TUBES FOR POWER BOILER				2"ØXBWG12	CARBON STEEL				1985	
OLG-8603	LAGOVEN, S.A. LA SALINA ATMOSFERIC SEA WATER GAS COOLER, SPLASH TYPE	1 1	E-801 E-802	1702 X 5023 1232 X 4979	494X1"ØXBWG14 391X1"ØXBWG14	70-30 CuNi 70-30 CuNi	79/73/45/38/35 178/153/19/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1986	26.3
OMN-8608	MENEVEN S.A. SAN TOME GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	1	J.WATER IC AC	4176 X 3926	72X1"ØXBWG12 95X1"ØXBWG12 100X1"ØXBWG12	CARBON STEEL	25 & 13 25/19/13 29/25/16	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1986	21.2
OLG-8609	LAGOVEN, S.A. AMUAY REFINERY TUBE BUNDLE	1	CONDENSER	1203 X 10363	60X1"ØXBWG12	CARBON STEEL	35/25/16	CARBON STEEL	TEMA,ANSI ASME,API CLIENT	1986	2.6
OLG-8626	LAGOVEN, S.A. MATURIN FURRIAL FLOW STATION FORCED DRAFT AIR COOLED UNITS	4 6 10	E-3A/3B(GAS) E-4A/4B(GAS) E-5A/5B(CRUDE)	3687 X 6096 3673 X 6096 3673 X 6096	246X1"ØXBWG12 293X1"ØXBWG12 431X1 1/4"ØXBWG12	CARBON STEEL	29/25/13 29/19/16/13 25 & 13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1986	416
OCV-8633	DRESSER INDUSTRIES/MARAV EN.S.A. LAKE PLATFORM FORCED DRAFT AIR COOLED UNITS	10 5	E-237 E-238	1164 X 2077 1480 X 2083	114X5 8"ØXBWG16 146X5/8"ØXBWG16	STAINLESS STEEL 304L	26 & 13 26/19/16	STAINLESS STEEL 304	TEMA,ANSI ASME,API CLIENT SPECS	1986	4.15
OCV-8707	AGA VENEZOLANA, C.A.EL TABLAZO CLOSE WATER CIRCUIT (MARATON INDUCED DRAFT AIR COOLED UNITS	10	WATER	4270 X 12441	134X1"ØXBWG12	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1987	37
OCV-8720	DISTRAL TERMICA/CORPOVE EL PALITO REFINERY/ 35.000.00 FINNED TUBES FOR AIR COOLED		BTX PROJECT		1"ØXBWG12	CARBON STEEL				1987	



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OLG-8803	LAGOVEN, S.A. MATURIN FURRIAL FLOW STATION FORCED DRAFT AIR COOLED UNITS	6	E-6 (GAS)	3673 X 6096	293X1"ØXBWG12	CARBON STEEL	29/19/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1988	109
	COOPER BESSEMER S.A. CORPOVEN S.A., SAN TOME GAS COMPRESSION PLANT	2	J.W. IC-1 IC-2	4042 X 5045	76X1"ØXBWG16 55X1"ØXBWG16 54X1"ØXBWG16	CARBON STEEL	25 & 13 25/16/13 29/25/13	CARBON STEEL	TEMA,ANSI		
OCV-8807	FORCED DRAFT AIR COOLED UNITS		AC		60X5/8"ØXBWG14		35/29/19		ASME,API CLIENT SPECS	1988	70.2
		1	J.W. IC AC	4176 X 3926	72X1"ØXBWG16 95X1"ØXBWG16 100X1"ØXBWG12	CARBON STEEL	25 & 13 25/19/13 29/25/16	CARBON STEEL			
OCV-8839/59	SUPEROCTANOS, C.A./PEQUIVEN,S.A. M.T.B.E. JOSE/COLUMN CONDENSER FORCED DRAFT AIR COOLED UNITS	1	110-E-4	2206 X 5368	132X1"ØXBWG12		35/25/13				
		1	110-E-7	2882 X 10248	102X1"ØXBWG12		25/16/13		TEMA,ANSI		
		1	110-E-12		21X1"ØXBWG12		25 & 16				
		1	120-E-16	2902 X 10248	168X1"ØXBWG12	CARBON STEEL	25/16/13	CARBON STEEL	ASME,API CLIENT SPECS	1988	150.4
		1	200-EA-29	3190 X 10248	138X1"ØXBWG12		25 & 13				
		1	300-EA-24(A/B)	4806 X 10248	216X1"ØXBWG12		25 & 13				
		2	770-EA-1(A-D)	5974 X 10248	360X1"ØXBWG12		25 & 16				
OCV-8870	PASTAS MILANI, TUBE BUNDLE	1	VAPOR HEATER	1810 X 713	18X5/8"ØXBWG16	CARBON STEEL	1" Ø, SCH.40	CARBON STEEL	ASME,API	1988	0.92
OLG-8903	LAGOVEN,S.A. MATURIN FURRIAL FLOW STATIONS FORCED DRAFT AIR COOLED UNITS	4 4 4 14	E4-1/E5-1 GAS E4-2/E5-2 GAS E4-3/E5-3 GAS E4-4/E5-4 CRUDE	4071 X 7876 4593 X 5756 2875 X 3912 3755 X 9394	272X1"ØXBWG12 532X1"ØXBWG12 192X1"ØXBWG12 496X1 1/4"ØXBWG12	CARBON STEEL	29/25/19 35/29/19/13 25/19/13 25/13/11	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1989	725
OCP-8909	CORPOVEN, S.A. STA ROSA. ANACO GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	1	GAS	4511 X 6488	528X5/8"ØXBWG14	CARBON STEEL	35/29/19	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1989	29.5
OCP-8911	CORPOVEN S.A., SAN TOME GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	1	POUR OIL GASOLINE GLP	2992 X 6344	36X1"ØXBWG12 68X1"ØXBWG12 110X1"ØXBWG12	CARBON STEEL	25/19/16/13 25/16/13 25/16/13	CARBON STEEL	TEMA,ANSI ASME,API	1989	41.7



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		1	WATER NATURAL GAS	3223 X 5134	150X1"ØXBWG12 115X1"ØXBWG12	CARBON STEEL	25 & 13 29/25/16/13	CARBON STEEL	CLIENT SPECS		
OCP-8917	CORPOVEN,S.A. EL PALITO REFINERY	2	E-6224	3505 X 9850	208X1"ØXBWG12		25/16/13		TEMA,ANSI		
	FCC PROJECT	5	E-6254	6350 X 9849	534X1"ØXBWG12	CARBON STEEL	25 & 13	CARBON STEEL	ASME,API	1989	329
	FORCED DRAFT AIR COOLED UNITS	1	E-6258	2896 X 10078	134X1 1/2"ØXBWG12		38 & 19		CLIENT SPECS		
OLG-9005	LAGOVEN, S.A. LA SALINA	4	GAS	3040 X 5180	288X1"ØXBWG12	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI	1990	86.4
	GLP PLANT INDUCED DRAFT AIR COOLED UNITS								ASME,API CLIENT SPECS		
OLG-9006	LAGOVEN,S.A. MATORIN, JUSEPIN	2	50-EA-01	6350 X 12192	178X1"ØXBWG14	STAINLESS	25 & 13	STAINLESS	TEMA,ANSI	1990	150
	GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	2	50-EA-02	4236 X 12192	328X1"ØXBWG12	STEEL 304L	32 & 16	STEEL 304	ASME,API CLIENT SPECS		
OLG-9007	LAGOVEN, S.A. MATORIN FURRIAL FLOW STATION FORCED DRAFT AIR COOLED UNITS	1	E-1 GAS	2768 X 4212	184X1"ØXBWG12	CARBON STEEL	35/29/19/16	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1990	11.2
OCP-9012	CORPOVEN S.A., SAN TOME GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	2	WATER	4900 X 7060	110X1"ØXBWG14	ADMIRALTY	19 & 13	CARBON STEEL	ASME,API CLIENT SPECS	1990	53.2
			LUBE OIL		54X1"ØXBWG14	CARBON STEEL	19/16/13				
			IC1		46X1"ØXBWG14	"	19 & 16				
			IC2 AC		24X1"ØXBWG14 38X1"ØXBWG14	" "	19 & 16 40/25/19				
OLG-9014	LAGOVEN,S.A. MATORIN, JUSEPIN	1	E-1420	3287 X 8630	220X1"ØXBWG12		25/19/13		TEMA,ANSI	1990	41.3
	ACOGAS PROJECT FORCED DRAFT AIR COOLED UNITS	2	E-1170/E-1180	2509 X 3353	276X3/4"ØXBWG14	CARBON STEEL	35/29/16/10	CARBON STEEL	ASME,API CLIENT SPECS		
OPQ-9035	PEQUIVEN, S.A. EL TABLAZO AMMONIA PLANT/ 17.500,00 Mts FINNED TUBES FOR AIR COOLED		AMMONIA PLANT A/B		1"ØXBWG16	CARBON STEEL				1990	



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OCP-9103/11	CORPOVEN S.A., SAN TOME GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	1	GUICO/CAL267 GUICO/R1891 GUICO/CAL265	4920 X 7924	80X1"ØXBWG12 54X1"ØXBWG14 153X1"ØXBWG12	CARBON STEEL	25/16/13/10 29/29/13 25/16/10	CARBON STEEL	TEMA,ANSI ASME,API	1991	111.5
		1	GUICO/CAL266 GUICO/CAL268 GUICO/CAL269 GUICO/CAL270 GUICO/CAL271	4920 X 7924	90X1"ØXBWG12 90X5/8"ØXBWG16 90X5/8"ØXBWG16 90X5/8"ØXBWG16 90X5/8"ØXBWG16	CARBON STEEL	25/16/13/10 25/19/16 25/19/16 25/19/16 25/19/16	CARBON STEEL			
OCP-9103/11	CORPOVEN S.A., SAN TOME GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	1	OFICINA/R1391 OFICINA/R2291 OFICINA/R1791 OFICINA/R1291 OFICINA/R2791	4920 X 7750	46X1"ØXBWG12 24X1"ØXBWG12 38X1"ØXBWG12 54X1"ØXBWG12 148X1"ØXBWG12	CARBON STEEL	19/16/13 38/25/19 19 & 13 19 & 16 19 & 16	CARBON STEEL	CLIENT SPECS		
		1	OFICINA/R1491 OFICINA/R1591 OFICINA/R1691	5010 X 6350	166X1"ØXBWG12 159X1"ØXBWG12 57X1"ØXBWG12	CARBON STEEL	19/16/13 19/16/13 19/16/13	CARBON STEEL			
OLG-9106	LAGOVEN, S.A. MATURIN/MORICHAL ORIMULSION PROJECT FORCED DRAFT AIR COOLED UNITS	4	E-208	6688 X 9242	700X1"ØXBWG12	CARBON STEEL	25/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	230



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OCP-9110	CORPOVEN S.A., ANACO GAS COMPRESSION PLANT TUBE BUNDLES	2	ROBLE 1 Y 2	2562 X 2714	156X1"ØXBWG16	CARBON STEEL	25/16/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	101
		1	BATERIA 6	2993 X 2854	144X1"ØXBWG16		25/16/13				
		1	OSCUROTE N.	2660 X 2630	200X1"ØXBWG16		25/16/13/10				
		3	MAPIRE ESTE	2863 X 2898	168X1"ØXBWG16		25/16/13/10				
		1	ZUMO	2322 X 2710	176X5/8"ØXBWG16		25/16/13/10				
		1	SAN JOAQUIN	2786 X 3010	135X1"ØXBWG16		25/16/13/10				
	CORPOVEN S.A., ANACO GAS COMPRESSION PLANT	2	E-105/E-106	2850 X 3080	220X5/8"ØXBWG16		25/16/13				
		1	NIGUA	2753 X 2910	215X1"ØXBWG16		25/16/13/10				
OCP-9110	TUBE BUNDLES	1	BATERIA 7	2680 X 2776	168X1"ØXBWG16	CARBON STEEL	25/16/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	101
		1	BATERIA 13	2993 X 2854	144X1"ØXBWG16		25/16/13/10				
		1	OSCUROTE N.	2740 X 2888	172X1"ØXBWG16		25/16/13/10				
		1	STA ROSA	2391 X 2570	108X1"ØXBWG16		25/16/13/10				
		2	E-103/E-104	2756 X 2760	132X1"ØXBWG16		25/16/13/10				
		2	E-101/E-102	2823 X 2725	135X1"ØXBWG16		25/16/13/10				
OLG-9110	LAGOVEN, S.A. MATURIN GAS HEATER FORCED DRAFT AIR COOLED UNITS	1	CGC-01	2262 X 5737	111X1"ØXBWG12	CARBON STEEL	25/16/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	8.7
OCP-9116	CORPOVEN,S.A. SAN TOME GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	4	LUBE OIL	4012 X 4230	282X1"ØXBWG12	CARBON STEEL	25/16/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	69.6
			GAS		50X1"ØXBWG12		35/19/16/13				
			WATER		70X1"ØXBWG12		25/16/13/10				
OCP-9127	CORPOVEN,S.A. EL PALITO REFINERY MTBE/TAME FORCED DRAFT AIR COOLED UNITS	6	E-6306	5029 X 9920	280X1"ØXBWG13	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	199.4
		1	E-6312	6640 X 9920	280X1"ØXBWG13		25 & 13				
OCP-9136	CORPOVEN,S.A. EL PALITO REFINERY COLUMN CONDENSER FORCED DRAFT AIR COOLED UNITS	1	E-6321	2605 X 6120	126X1"ØXBWG13	CARBON STEEL	25/16/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	11.7



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OCP-9142	CORPOVEN, S.A. EL PALITO REFINERY STEAM HEATER FORCED DRAFT AIR COOLED UNITS	1	E-6909	1354 X 1466	66X1"ØXBWG12	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	0.98
OCP-9145	CORPOVEN, S.A. EL PALITO REFINERY FCC TUBE BUNDLE	4	E-6210	3154 X 10002	164X1 1/2"ØXBWG12	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT	1991	102
OCV-9174	AGA VENEZOLANA, C.A.EL TABLAZO CLOSE WATER CIRCUIT (MARATON II) FORCED DRAFT AIR COOLED UNITS	10	WATER	4032 X 11892	310X1"ØXBWG12	CARBON STEEL	25/16/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1991	329
OCV-9176	LUMMUS OVERHEAD/RESILIN FORCED DRAFT AIR COOLED UNITS	1	EC-201	3766 X 4208	124X1"ØXBWG12	CARBON STEEL	25 & 13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT	1991	11.44
OCV-9192	LUMMUS OVERHEAD/RESILIN FORCED DRAFT AIR COOLED UNITS	1	EC-431	1965 X 1877	128X1"ØXBWG12	CARBON STEEL	25 & 13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT	1991	2.72
OPQ-9193	PEQUIVEN, S.A. EL TABLAZO AMMONIA PLANT/ 17.500,00 Mts FINNED TUBES FOR AIR COOLED		AMMONIA PLANT A/B		1"ØXBWG16	CARBON STEEL				1991	
OCP-9198	CORPOVEN, S.A. EL PALITO REFINERY 11.220,00 Mts FINNED TUBES FOR AIR COOLED		FCC PROJECT		1 1/2"ØXBWG16	CARBON STEEL				1991	
OTF-9201C	LAGOVEN, S.A. AMUAY REFINERY TECNOFLUOR MTBE/TAME PROJECT	8	E-1506 (A-H)	4160 X 9240	323X1"ØXBWG12		25/16/13/10		TEMA,ANSI		
STOPPED BY		8	E-1582 (A-H)	3906 X 9240	242X1"ØXBWG12	CARBON STEEL	25/16/13	CARBON STEEL	ASME,API	1992	528
PDVSA BUDGET	FORCED DRAFT AIR COOLED UNITS	2	E-1555 A/B	4050 X 9240	258X1"ØXBWG11		25/16/13/10		CLIENT SPECS		



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COR-39203	CORPOVEN S.A., ANACO GAS COMPRESSION PLANT TUBE BUNDLES	2	AGUASAY	3974 X 1441	138X3/4"ØXBWG16	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT	1992	37.8
		2	NARDO 4	6504 X 1486	98X1"ØXBWG16		25/19/13				
		2	ZORRO 1 Y 2	6504 X 1486	98X1"ØXBWG16		25/19/13				
		1	CEIBA 1	7753 X 1722	114X1"ØXBWG16		25/19/13/10				
		1	OSCUROTE	6608 X 2430	162X1"ØXBWG16		25/19/13				
COR-39209	CORPOVEN S.A., SAN TOME GAS COMPRESSION PLANT TUBE BUNDLES	1	LIDO IC1	7108 X 610	102X5/8"ØXBWG16	CARBON STEEL	25/19/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1992	37.9
		1	LIDO IC2	7048 X 800	78X5/8"ØXBWG16	"	25/19/13				
		1	LIDO AC	7004 X 1151	74X5/8"ØXBWG16	"	25/19/16/13				
		1	LIDO WATER	7152 X 1658	203X5/8"ØXBWG16	ADMIRALTY	25/19/13				
		1	BUDARE IC1	6562 X 610	102X5/8"ØXBWG16	CARBON STEEL	29/19/13				
		1	BUDARE IC2	6478 X 1182	74X5/8"ØXBWG16	"	25/19/16				
		1	BUDARE AC	6444 X 874	86X5/8"ØXBWG16	"	35/29/16/13				
		1	BUDARE WATER	6582 X 1624	203X5/8"ØXBWG16	ADMIRALTY	25/19/13				
		1	ISLA IC1	5308 X 610	73X5/8"ØXBWG16	CARBON STEEL	25/19/13/10				
		1	ISLA IC2	5248 X 798	54X1"ØXBWG16	"	25/19/13				
COR-39209		1	ISLA WATER2	5352 X 1706	128X5/8"ØXBWG16	"	25/19/13				
OJN-9283C	JANTESA/BECHTEL/ MARAVEN CARDON REF. FXP (PARC. FORCED DRAFT AIR COOLED UNITS	1	33-E-404	3048 X 9277	273X1"ØXBWG13	CARBON STEEL	50/41/22/13	CARBON STEEL	TEMA,ANSI	1992	136
		3	33-E-502	3353 X 9303	321X1"ØXBWG14	410 S.S.	41/28/19/16/13	C.S. CLD 410 SS	ASME,API		
		2	33-E-505	2592 X 9277	231X1"ØXBWG13	CARBON STEEL	63/41/28/22/13	CARBON STEEL	CLIENT SPECS		
OJN-9285C	JANTESA/BECHTEL/ MARAVEN CARDON REF. EXP.(PARC PROJECT) FORCED DRAFT AIR COOLED UNITS	2	33-E3609/709	2896 X 3766	198X1"ØXBWG12	CARBON STEEL	41/28/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1992	22.2
	OTEPI/FOSTER WHEELER/MARAVEN CARDON REF. EXP.(PARC FORCED DRAFT AIR COOLED UNITS	8	42-E-102	4268 X 9754	333X1"ØXBWG11		29/25/19/13				
		1	42-E-103	3224 X 9754	552X1"ØXBWG11		29/25/19/16				
		8	42-E-105	4203 X 10973	590X1"ØXBWG11		35/29/25/16				
		2	42-E-221	4190 X 9754	316X1 1/2"ØXBWG12		25/19/16				
		3	42-E-201	3795 X 9754	378X1"ØXBWG11		29/25/19/16				



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OCV-9289C		4	42-E-203	4190 X 9754	378X1	CARBON STEEL	29/25/19/16	CARBON STEEL	TEMA,ANSI	1992	944
		2	42-E-207	6496 X 9754	654X1"ØXBWG11		35/29/25/19		ASME,API		
		7	42-E-209	4190 X 9754	316X1		25/19/16/13		CLIENT		
		2	42-E-211	4190 X 9754	378X1		29/25/19/16				
		1	42-E-214	3660 X 9754	369X1"ØXBWG11		35/29/25/19				
		1	42-E-108	4579 X 8535	498X1"ØXBWG11		35/29/25/16				
		1	42-E-112	4858 X 9754	474X1"ØXBWG11		35/29/25/19				
		2	42-E-224	3274 X 9754	321X1"ØXBWG14		29/19/13				
		2	42-E-225	4420 X 9754	290X1"ØXBWG11		25/16/13				
OCP-9291	CORPOVEN, S.A. STA. BARBARA ACRRO 1 PROJECT 113.232,00 Mts FINNED TUBES FOR AIR COOLED		CRIOGENIC STA. BARBARA ACRRO1 PROJ.		1"ØXBWG12 1"ØXBWG12	CARBON STEEL STAINLESS STEEL				1992	
OCP-9301C	CORPOVEN,S.A. ANACO EL CARITO FLOW STATION FORCED DRAFT AIR COOLED UNITS	13	CRUDE	3494 X 7411	468X1"ØXBWG12	CARBON STEEL	25/16/13/10	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1993	309
OCP-9303C	CORPOVEN,S.A. ANACO GAS COMPRESSION PLANT TUBE BUNDLE	2	AGUASAY	3276 X 8398	270X1"ØXBWG16	CARBON STEEL	25 & 13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT	1993	42
OLG-9313C	LAGOVEN, S.A. MATURIN FURRIAL FLOW STATION FORCED DRAFT AIR COOLED UNITS	2	E4-1/E5-1	4071 X 7876	272X1"ØXBWG12	CARBON STEEL	29/25/19	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1993	49
OJN-9315C	JANTESA/BECHTEL/ MARAVEN CARDON REF. EXP.(PARC PROJECT) FORCED DRAFT AIR COOLED UNITS	1	33-E-105	2743 X 9252	154X1 1/2"ØXBWG13	INCOLOY 825	50/38/13	INCOLOY 825	TEMA,ANSI	1993	70
		1	33-E-143	3505 X 9277	309X1 1/4"ØXBWG12	CARBON STEEL	95/70/50/38/28	CARBON STEEL	ASME,API		
		1	33-E-144	3505 X 9277	234X1"ØXBWG12	CARBON STEEL	95/70/44/38/13	CARBON STEEL	CLIENT SPECS		
OTF-9333C	TECNOFUOR (SUAY PROJECT) FORCED DRAFT AIR COOLED UNITS	2	09-E-974(A/B)	1708 X 3906	104X1"ØXBWG12	CARBON STEEL	25 & 16	CARBON STEEL	ASME,API CLIENT SPECS	1993	8.8
OCP-9338C	CORPOVEN,S.A. ANACO GAS COMPRESSION PLANT	1	SOTO GAS	792 X 6344	59X5/8"ØXBWG16	CARBON STEEL	25 & 16	CARBON STEEL	TEMA,ANSI ASME,API	1993	6.3
	TUBE BUNDLE	1	KAKI WATER	1612 X 5526	208X5/8"ØXBWG16	ADMIRALTY	25/16/13		CLIENT SPECS		



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OCP-9404C	CORPOVEN,S.A. EL PALITO REFINERY ATMOSPHERIC CRUDE TOWER TUBE BUNDLE	1	E-175	3509 X 10058	216X1 1/2"ØXBWG12	CARBON STEEL	29/25/19/16	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1994	23.2
OCP-9411C	CORPOVEN,S.A. EL PALITO REFINERY FCC EXPANSION FORCED DRAFT AIR COOLED UNITS	2	E-6244	3348 X 10002	220X1"ØXBWG12	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1994	44.6
OLG-9424C	LAGOVEN,S.A. AMUAY REFINERY TUBE BUNDLE	4	E-509	2380 X 10744	150X1"ØXBWG10	CARBON STEEL	29 & 16	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1994	77.6
OCP-9428C	CORPOVEN,S.A. PTO. LA CRUZ PIGAP PROJECT FORCED DRAFT AIR COOLED UNITS	8 2	E-1001/02/11/12 E-1103/1113	4026 X 8173 4286 X 12288	320X1"ØXBWG12 504X1"ØXBWG12	CARBON STEEL	32/19/16 35/19/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1994	286
OCP-9440C	CORPOVEN,S.A. EL PALITO REFINERY CATALITIC DESTILATION PROJECT FORCED DRAFT AIR COOLED UNITS	6	E-6326	4115 X 12287	278X1"ØXBWG14	CARBON STEEL	25/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1994	193.8
OCP-9465C	CORPOVEN,S.A. EL PALITO REFINERY ATMOSPHERIC CRUDE TOWER TUBE BUNDLE	1	E-175	3509 X 10058	216X1 1/2"ØXBWG12	CARBON STEEL	29/25/19/16	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1994	23.3
OCP-9480C	CORPOVEN,S.A. EL PALITO REFINERY FCC SHUT DOWN TUBE BUNDLE REPAIR JOB	22	FCC UNITS		1 1/2"ØXBWG12 1"ØXBWG12	CARBON STEEL			ASME	1994	



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OCP-9488C	CORPOVEN,S.A. PTO. LA CRUZ CRYOGENIC , JOSE TUBE BUNDLE REPAIR JOB	48	TRAIN A/B		1"ØXBWG12	CARBON STEEL			ASME	1994	
OCP-9502C	CORPOVEN,S.A. PTO LA CRUZ EL TEJERO GAS COMPRESSION PLANT FORCED DRAFT AIR COOLED UNITS	3	NATURAL GAS	4217 X 6400	240X1 1/2"ØXBWG16	316L S.S.	25/19/16/13	316 LS.S.	TEMA,ANSI ASME,API CLIENT SPECS	1995	57.4
OCP-9510C	CORPOVEN,S.A. EL PALITO REFINERY AMINE PLANT TUBE BUNDLE	1	E-6506	3550 X 10002	176X1 1/2"ØXBWG16	304L S.S.	25/19/16/13	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1995	30.2
OCP-9513C	CORPOVEN,S.A. ANACO PTA. MATA GAS COMPRESSION PLANT MUSCAR TUBE BUNDLES	1 1 1	E-4 E-200A E-200B	3566 X 12460 1610 X 7657 810 X 7657	298X1"ØXBWG12 90X1 1/4"ØXBWG12 46X1 1/4"ØXBWG12	CARBON STEEL	35/25/16/13 29/19/16 29/19/16	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1995	25.2
OCP-9523C	CORPOVEN,S.A. ANACO GAS COMPRESSION PLANT TUBE BUNDLE	1	NATURAL GAS	7780 X 14975	50X1"ØXBWG13	CARBON STEEL	35/25/19/16	CARBON STEEL	TEMA,ANSI ASME,API CLIENT SPECS	1995	20.5
OCP-9576C	CORPOVEN,S.A. PTA. DE MATA MUSCAR PLANT TUBE BUNDLE	1	E-4	2740 X 7583	158X1 1/4"ØXBWG12	CARBON STEEL	35/29/19/16/13	CARBON STEEL	TEMA,ANSI ASME, API CLIENT SPECS	1995	3.7
OCP-9577C	CORPOVEN,S.A. PTA. DE MATA MUSCAR PLANT TUBE BUNDLE	1	72-2Z	2100 X 5133	198X3/4"ØXBWG14	CARBON STEEL	29/19/16/13	CARBON STEEL	TEMA,ANSI ASME, API CLIENT SPECS	1995	1.92
OQV-9578C	QUIMICA VENOCO,VALENCIA TUBE BUNDLE	2	E-4AX	2778 X 11279	238X1"ØXBWG14	CARBON STEEL	29/25/16/13	CARBON STEEL	TEMA,ANSI ASME, API CLIENT	1995	11.2



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OCP-9590C	CORPOVEN,S.A. EL PALITO REFINERY FORCED DRAFT AIR COOLED UNIT	1	E-177	3260 X 5695	275X1"ØXBWG14	CARBON STEEL	25/19/16/13	CARBON STEEL	TEMA,ANSI ASME, API CLIENT SPECS	1995	14.2
OLG-95102C	LAGOVEN,S.A. AMUAY PROYECTO HDH FORCED DRAFT AIR COOLED UNIT	1	E-356	1828 X 10459	112X1"ØXBWG10	CARBON STEEL	29/25/16	CARBON STEEL	TEMA,ANSI ASME, API CLIENT SPECS	1996	14.6
OLG-9619C	LAGOVEN,S.A. MATORIN FLOW STATION ACPJ FORCED DRAFT AIR COOLED UNITS	10	E6-4/E7-4	4457 X 9239	608X1"ØXBWG16	CARBON STEEL	25/19/13	CARBON STEEL	TEMA,ANSI ASME, API	1996	315
		8	E6-2/E7-2	3096 X 5663	364X1"ØXBWG12	CARBON STEEL	25/19/13	CARBON STEEL	CLIENT SPECS		108
OIN-9705C	LAGOVEN, S.A. MATORIN JUSEPIN ACOGAS II PROJECT FORCED DRAFT AIR COOLED UNITS	4	E-0140A/B	3120 X 9140	1224 X 1"ØBWG12						72.95
		2	EA-0170A/B	2420X12192	956X1"ØBWG12				TEMA,ANSI	1,997	71.74
		1	E-0220	2510X3350	276X 1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API		14.50
		3	E-0355	1860X9140	1098X 1"ØBWG12		35/29/16/13		CLIENT SPECS		62.78
1	E-0570	3050X12192	250X 1"ØBWG12							21.07	
OCP-9755C	CORPOVEN, S.A. EL PALITO REFINERY GASOIL PLANT TUBE BUNDLE	10	E-117	2350X7320	1782X 1 1/2"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	TEMA,ANSI ASME, API CLIENT SPECS	1,997	93.60
OLG-9778C	LAGOVEN, S.A. AMUAY REFINERY VACUM UNIT TUBE BUNDLE	2	E-459A/B	4302X10360	732X 1 1/4"ØBWG 9	CARBON STEEL	25/19/16/13	CARBON STEEL	TEMA,ANSI ASME, API CLIENT SPECS	1,997	50.88
OCP-9766R	CORPOVEN, S.A. PTA. DE MATA TUBE BUNDLE REPAIR	6	E-300	3500X12190	1788X 1"ØBWG 12	SA-179	25/19/16/13	CARBON STEEL	ASME, API CLIENT SPECS	1997	60



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

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OCP-97105R	CORPOVEN, S.A. - PUERTO LA CRUZ REFINERY TUBE BUNDLE REPAIR	4	D2.50/60	2800X11582	672X 1"ØBWG 12	SA-179	25/19/16/13	CARBON STEEL	ASME, API CLIENT SPECS	1997	30
OCC-9723C	CONTRINA/PETROZ UATA VEHOP DOWNSTREAM	6	E-132	4300X8021	3216X 1"ØBWG 12	SA-214	25/19/16/13	CARBON STEEL HIC	ASME, API CLIENT SPECS	1998	138
	FORCED DRAFT AIR COOLED UNITS	6	E-136	3518X10459	3504X 1"ØBWG 12	SA-214	25/19/16/13	CARBON STEEL			158
OCP-9809C	CORPOVEN, S.A. EL PALITO REFINERY AMILENOS PLANT FORCED DRAFT AIR COOLED UNITS	3	E-6329	2800X7350	528X 11/4"ØBWG 12	SA-179	25/19/16/13	CARBON STEEL	ASME, API CLIENT SPECS	1998	60
OCP-9766R	CORPOVEN, S.A. PTA. DE MATA TUBE BUNDLE REPAIR	6	E-300	3500X12190	1788X 1"ØBWG 12	CARBON STEEL	25/19/16/13	CARBON STEEL	TEMA ASME, API CLIENT SPECS	1997	60
OCP-97105R	CORPOVEN, S.A. - PUERTO LA CRUZ REFINERY TUBE BUNDLE REPAIR	4	D2.50/60	2800X11582	672X 1"ØBWG 12	CARBON STEEL	25/19/16/13	CARBON STEEL	TEMA ASME, API CLIENT SPECS	1997	30
OCC-9723C	CONTRINA/PETROZ UATA VEHOP DOWNSTREAM	6	01-EA-132 A-F	4300X8021	3216X 1"ØBWG 12	CARBON STEEL	25/19/16/13	CARBON STEEL HIC	ASME, API CLIENT SPECS	1998	138
	FORCED DRAFT AIR COOLED UNITS	6	01-EA-136 A-F	3518X10459	3504X 1"ØBWG 12	CARBON STEEL	25/19/16/13	CARBON STEEL			158
OCP-9809C	CORPOVEN, S.A. EL PALITO REFINERY AMILENOS PLANT AIR COOLED HEAT EXCHANGER	3	E-6329	2800X7350	528X 11/4"ØBWG 12	CARBON STEEL	25/19/16/13	CARBON STEEL	TEMA ASME, API CLIENT SPECS	1998	60
OCP-9802C	CORPOVEN SAN JOAQUIN AIR COOLED HEAT EXCHANGER TUBE BUNDLE	1		3079X5487	216X ØBWG	CARBON STEEL		CARBON STEEL	ASME, TEMA API SPECS	1998	



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OPD-9961C	PDVSA PUNTA DE MATA	4	AC-30MM PCND	2694X7251	194X 3/4" ØBWG16	SS 316L	13/32/29	SS 316L	ASME, TEMA	1999	
	TUBE BUNDLES	3	1C2B12MMPCND	780X7260	35X 1-1/4" ØBWG16	SS 316L	25/19	SS 316L	API	TO	
		2		28'	198X 1" ØBWG16	STAINLESS STEEL			CLIENT SPECS	2000	
		1		28'	62 X 1-1/2" ØBWG14	STAINLESS STEEL					
		2		40'	406 X 3/4" ØBWG14	STAINLESS STEEL					
OPD-2046C	PDVSA GAS, S.A. CRIOGÉNICO DE JOSE	30	D2-20501	3658X9754	-	-	-	CARBON STEEL	ASME, TEMA	2000	
	WIND BOXES		D2-20601	3658X9754					API		
			D2-50508	4267X11290					CLIENT SPECS		
			D2-50615A	3658X11290							
OPD-2013C	PDVSA PUNTA DE MATA	1		24'	194X 3/4" ØBWG16	STAINLESS STEEL		STAINLESS STEEL	ASME, TEMA	2000	
	TUBE BUNDLES	2		24'	35X 1-1/4" ØBWG14	STAINLESS STEEL		API			
		5		24'	83X 1" ØBWG16	STAINLESS STEEL		CLIENT SPECS			
		5		16'	198X 3/4" ØBWG16	STAINLESS STEEL					
		3		3325X9678	206X 1-1/4" ØBWG16	SS 316L		25/16	SS 316L		
		1		28'	198X 1" ØBWG16	STAINLESS STEEL					
		2		28'	62X 1-1/2" ØBWG14	STAINLESS STEEL					
OPD-2065C	PDVSA MATURÍN	6		16'	198 X 3/4" ØBWG16	STAINLESS STEEL			ASME, TEMA	2000	
	TUBE BUNDLES			24'	35 X 1-1/4" ØBWG14	STAINLESS STEEL			API	TO	
				24'	194 X 3/4" ØBWG16	STAINLESS STEEL			SPECS	2001	
OPD-2101C	PDVSA ANACO	2	E-1001 E-1103	2067X8345	160X 1"ØBWG 12	CARBON STEEL	35/19	CARBON STEEL	ASME, TEMA	2001	
	TUBE BUNDLES			2100X12459	252X 1"ØBWG 12		29/32/19		API CLIENT SPECS		
OPD-2122C	PDVSA EL PALITO AIR COOLED HEAT EXCHANGER	1	E-6312	2145X10143	140X 1"ØBWG 13	CARBON STEEL	25	CARBON STEEL	ASME, TEMA API CLIENT SPECS	2001	



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OPD-2119C	PDVSA PUERTO LA CRUZ TUBE BUNDLE	3	EA-101	7315	238X 1"ØBWG 12	CARBON STEEL		CARBON STEEL	ASME, TEMA	2001	
			EA-103		202X 1"ØBWG 12	CARBON STEEL	CARBON STEEL	API			
			E-102	6096	370X 1" ØBWG12	CARBON STEEL	CARBON STEEL	CLIENT SPECS			
OPD-2120C	PDVSA REFINERÍA AMUAY AIR COOLED HEAT EXCHANGER	2	E-172	5130X5792	228 X 1-1/4"ØBWG 12	CARBON STEEL	45/60/70	CARBON STEEL	ASME, TEMA API CLIENT SPECS	2001	20.96
OPD-2126C	PDVSA GAS. EXTRACTION PLANT SAN JOAQUIN OIL TURBOEXPANDERS COOLER	1	HA-249	2100X3050	130 X 1"ØBWG 16	SS-304 STAINLESS STEEL	23/19/13	STAINLESS STEEL	ASME, TEMA API CLIENT SPECS	2001	2.80
OCH-2188C	CHEVRON GLOBAL TECHNOLOGY SERVICES AIR COOLED HEAT EXCHANGER	2	EF-20-E-611	2085x7011	105 X1"ØBWG12	CARBON STEEL	10/13/25	CARBON STEEL	ASME, API	2001	4.40
			EF-20-E-612	2085x7011	105 X1"ØBWG12	CARBON STEEL	10/13/25	CARBON STEEL	TEMA CUSTOMER SPECS.		4.40
OPD-21206C	PDVSA PUNTA DE MATA AIR COOLED HEAT EXCHANGERS	1 4 1 1	E-2102	5456X9144	516X 1"ØBWG 14	SA-213TP304	25/16	CARBON STEEL	ASME, API	2001	7.07
			E-2302A/B	4054X9144	768X 1"ØBWG 14	SA-213TP304	12/16/25	CARBON STEEL	CUSTOMER		6.61
			E-2402	5030X9144	474X 1"ØBWG 14	SA-213TP304	12/16/25	CARBON STEEL	SPECS		10.09
			E-2502	5395X9144	474X 1"ØBWG 14	SA-213TP304	16/25/10	CARBON STEEL	TEMA		4.24
OCD-2178C	CADAFE FINNED TUBES	300		6000	300X 1"ØBWG 12	CARBON STEEL	-	-	ASME, TEMA API CLIENT SPECS	2001	
OPD-21358C	PDVSA PUNTA DE MATA AIR COOLED HEAT EXCHANGERS	1 3 1	E8-2	3690X12000	368X 1"ØBWG 12	CARBON STEEL	10/25/12	CARBON STEEL	API	2001	18.55
			E8-3	3020X3960	150X 1"ØBWG 12			CARBON STEEL	ASME, TEMA		4.27
			E8-4		168X 1"ØBWG 12			CARBON STEEL	CLIENT SPECS		12.26
OCO-21338C	CONSULTORES OCCIDENTALES "COSA" AIR COOLED HEAT EXCHANGER	1	E-6027	2977 X 9754	396 X 1"ØBWG 12	CARBON STEEL	16/25/10	CARBON STEEL	ASME, TEMA API SPECS.	2001	10.36



Calderas y Tuberías "CALTUCA", C.A.

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OSC-21341C	SINCOR AIR COOLED HEAT EXCHANGER BLEND VACUUM RESIDUE/ DILUENT AIR COOLER	8	05-EA-30-01A/N	4450X9144	548X 1-1/4"ØBWG 12	CARBON STEEL	25	CARBON STEEL	ASME, API CLIENT SPECS TEMA	2001 TO 2002	16.65
OVP-2163C	CONVALVEN (VEPICA) AIR COOLED HEAT EXCHANGER VALCOR PROJECT PTO. LA CRUZ REFINERY	21	E-0322	4050X9140	308 X1"ØBWG12	CARBON STEEL	10/13/25	CS NORMALIZED	ASME, TEMA	2001 TO 2002	13.03
			E-0324	4140X9140	420 X1"ØBWG12	CARBON STEEL	10/13/25	CS NORMALIZED	API		15.64
			E-2013	3620X9140	246 X1"ØBWG12	CARBON STEEL	10/13/25	CS NORMALIZED	CUSTOMER		11.03
			E-2015	3970X9140	267 X1"ØBWG12	CARBON STEEL	10/13/25	CS NORMALIZED	SPECS.		11.91
			E-4516	2550X9140	261 X1"ØBWG12	CARBON STEEL	10/13/25	CS NORMALIZED			9.70
			E-4604	2310X6100	120 X1"ØBWG12	CARBON STEEL	10/13/25	CS NORMALIZED			4.45
OPD-2219C	PDVSA AMUAY AIR COOLED HEAT EXCHANGER	2	E-172	5130X5792	228 X 1-1/4"ØBWG 12	CARBON STEEL	45/60/70	CARBON STEEL	ASME, TEMA	2002	20.96
									API CLIENT SPECS		
OPD-21406C	PDVSA PUNTA DE MATA EASTERN CRYOGENIC COMPLEX EXPANSION ACCRO PROJECT AIR COOLED HEAT EXCHANGER	3	D2.130321	5395X9144	216X1"ØBWG12	CARBON STEEL	29/16/19	CARBON STEEL	ASME, TEMA API CLIENT SPECS	2002	9.58
OSM-2237C	SUPERMETANOL TUBE BUNDLES FABRICATION	2	EA-4201C/D	11200X3110	230X1"ØBWG16	SA-213TP304 STAINLESS STEEL	25/13/10	STAINLESS STEEL	TEMA,SPECS. ASME API	2002	7.50
CTI-OPZ-2223T	PETROZUATA FINNED TUBES	340	02EA104A/B/C/D	6190	340X1"ØBWG13	CARBON STEEL	-	-	ASME API TEMA	2002	
OHV-2241C	HOVENSA ST. CROIX VIRGIN ISLAND REFINERY TUBE BUNDLE	2	E-2302A/B	6000 X 12000	510 X1-1/4"Ø BWG10	CARBON STEEL	25/16/12	CARBON STEEL KILLED NORMALIZED	TEMA CLIENT SPECS ASME API	2002	30.60



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job N°:	Client / Description	Bays Quantity	Tag N°	Overall Dimension (mm)	Tubes N°/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OTC-2259C	TECNOCONSULT	2	48-EA-200A/B	7902X6096	804X1"ØBWG12	CARBON STEEL	13/25/10	CARBON STEEL	API	2002	22.40
	HAMACA UPSTREAM PROJECT EPC-3 PACKAGE D AIR COOLED HEAT EXCHANGERS						25/13/10		ASME CLIENT SPECS TEMA		
OOT-2251C	CONSORCIO OTEPI-INELECTRA SADEVEN-TOYO (OIST)EL PALITO REFINERY AIR COOLED HEAT EXCHANGERS	7	E-6210N	4481X9754	2296X1-1/2"ØBWG12	CARBON STEEL	29/13/10	CS KILLED NORMALIZED	API, ASME	2002	145.70
		1	E-6258	5712X9754	682X1-1/4"ØBWG12		3/6/13/16/25		CLIENT SPECS TEMA		28.60
OTV-2262C	VENETANK FINNED TUBES	35	1551	5283	35X5/8"ØBWG12	CARBON STEEL	-	-	API, ASME TEMA CLIENT SPECS	2002	
OPD-22105C	PDVSA GAS JOSE WIND BOXES FABRICATION	28	D2-50615 D2-50508 D2-60610	3658X11290 4267X11290 4268X11888	-	-	-	CARBON STEEL	ASME, API TEMA CLIENT SPECS	2002	
ORS-22112C	RASACAVEN TUBE BUNDLE REPAIR	1		762	13X1"ØBWG14	SA-213 TP 316L STAINLESS STEEL	-	-	ASME, API TEMA CLIENT SPECS	2002	
OPD-22126C	PDVSA AMUAY TUBE BUNDLE	6	E-417	26472X10615	2250X1-1/4"ØBWG10	CARBON STEEL	25/13/10	CARBON STEEL	API, ASME TEMA CLIENT SPECS	2002 TO 2003	98.40
OCP-2261C	CP 2000 FINNED TUBES	250	-	6000	250X1"ØBWG12	CARBON STEEL	-	-	API, ASME TEMA CLIENT SPECS	2002 TO 2003	



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OFD-21357C	CITGO LAKE CHARLES REFINERY USA FLUOR DANIEL AS PROCUREMENT AGENT AIR COOLED HEAT EXCHANGERS	2	459C117A/B	10394X12192	936X 1"ØBWG 14	CARBON STEEL	25/13/10	CARBON STEEL	ASME, API	2002	34.89
		4	459C124A-D	21427X12192	1600X 1"ØBWG 14	CARBON STEEL	25/13/10		TEMA	TO 2003	79.77
		1	459C125	4512X12192	272X 1"ØBWG 14	CARBON STEEL	25/13/10		CLIENT SPECS		11.97
OMU-2236C	CITGO LAKE CHARLES REFINERY U.S.A. MUSTANG ENGINEERING AS PROCUREMENT AGENT AIR COOLED HEAT EXCHANGERS	4	484C103A-D	10973X18471	1880X1 1/4"ØBWG12	KILLED	25/38/35	KILLED NORMALIZED	ASME, API	2002	99.28
		4	485C203A-D	10973X18471	1880X1 1/4"ØBWG12	CARBON STEEL	16/19/13	CARBON STEEL	CLIENT SPECS	TO 2003	99.28
		4	484C106A-D	16770X10973	1712X1 1/4"ØBWG12		25/13/10		TEMA		90.51
		4	485C206A-D	16770X10973	1712X1 1/4"ØBWG12						90.51
		1	484C109	3048X10973	264X1"ØBWG12						12.55
		1	485C209	3048X10973	264X1"ØBWG12						12.55
		1	484C111	4267X10973	414X1"ØBWG12						19.83
OYP-22148C	YPERGAS-ALTAGRACIA DE ORITUCO AIR COOLED HEAT EXCHANGERS	1	2-A-0110	2898X6001	192X1"ØBWG16	STAINLESS STEEL	35	STAINLESS STEEL	ASME, API	2003	6.40
		1	1-A-0120	5153X12000	760X1"ØBWG16	STAINLESS STEEL	35	STAINLESS STEEL	CLIENT SPECS TEMA		39.65
OOC-2315C	OPERADORA CERRO NEGRO AIR COOLED HEAT EXCHANGER FORCED DRAFT TYPE	1	11-AF-1103	5846X10028	680X1-1/4"ØBWG12	CARBON STEEL	6/3/13/16/25	CARBON STEEL	ASME, API CLIENT SPECS TEMA	2003	27.26
OPZ-22167C	PETROZUATA	6	01-EA-132	2662X8173	2568X1-1/2"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2003	108.60
	JOSE UPGRADER TUBE BUNDLES										
OYP-2318C	YPERGAS-ALTAGRACIA DE ORITUCO AIR COOLED HEAT EXCHANGERS	1	1-A-0640	2610X3048	193X1"ØBWG14	CARBON STEEL	25	CARBON STEEL	ASME, API CLIENT SPECS TEMA	2003	3.80
OPZ-2463C	PETROZUATA JOSE UPGRADER AIR COOLED HEAT EXCHANGER	2	E-132	3600X7920	680X11/2"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2004/ 2005	
OPD-2391C	BITOR JOSE UPGRADER AIR COOLED HEAT EXCHANGER	8	E-208	3800X9144	1800X1"ØBWG12	CARBON STEEL	25/19/16/14	CARBON STEEL	ASME, API	2004/ 2005	



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OPD-2409C	PDVSA AMUAY TUBE BUNDLES & 1452 FINNED TUBES	3 & 1452	10-E-2201 A/B	3800X9145	1300X1"ØBWG12 & 1452 1 1/2" BWG 10	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2004/2005	
OHV-2442C	HOVENSA ST. CROIX TUBE BUNDLE	1	E-920-B #3 AMINE UNIT.	3500X9144	380X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2004	
OCD-2450C	CADAFE	300	FINNED TUBES		1" BWG 12	CARBON STEEL			ASME, API	2004	
OVS-2451C	ACEITES Y SOLVENTES VZLANOS, S.A.	2	AC-201 y AC-202	2600X7320	350X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2004/2005	
OPD-2457C	PDVSA MATORIN AIR COOLED HEAT EXCHANGERS	14	E-101	3750X9144	5600X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2004/2005	23.00
OFW-2459C	CITGO - FOSTER WHEELER AIR COOLED HEAT EXCHANGERS	11	209-E-009/10/11/12	3950X9144	1450X1-1/4"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2004/2005	
OIN-2463C	KELLOGG BROWN & ROOT DE VENEZUELA	2	13-AF-1306 A/B		Only Desing & Databail Enginnering					2004	
OVE-2466C	VENENCA	200	FINNED TUBES		1" BWG 14	CARBON STEEL			ASME, API	2004	
OEC-2473C	E.C.T.C.A.	150 Tubes	FINNED TUBES		5/8" BWG 14	CARBON STEEL			ASME, API	2004	
OPA-24107C	OCN Operadora Cerro Negro (Parsons) AIR COOLED HEAT EXCHANGERS	3	Air Colled Heat Exchangers E-25275 y E-25276	2580X9144	580X1"ØBWG14	STAINLESS STEEL	25/19/16/13	CARBON STEEL	ASME, API	2005	
OPA-24106C	OCN Operadora Cerro Negro (Parsons) AIR COOLED HEAT EXCHANGERS	13	Air Colled Heat ExchangersE-25611 A/B/C/D, E-25612 A/B/C/D, E-25613 A/B/C/D, E-25643/E25644	2820X9144	2150X1"ØBWG14	STAINLESS STEEL	25/19/16/13	STAINLESS STEEL	ASME, API	2005	
OSO-2472C	Super Octanos TUBE BUNDLE	1	770-EA-1	3920X9144	180X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2005	
OTT-2493C	TOTAL Rucio Viejo Project AIR COOLED HEAT EXCHANGERS	1	ONE (1) GAS AIR COOLER	3750X9144	380X1"ØBWG12	STAINLESS STEEL	25/19/16/13	CARBON STEEL	ASME, API	2005	
OPD-2498C	PDVSA, S.A. AMUAY-REFINERY AIR COOLED HEAT EXCHANGERS	1	AIR COOLER E-32 B/C	4520X9144	320X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2005	
OPD-2528C	PDVSA AMUAY-REFINERÍA CARDON FALCÓN TUBE BUNDLE	3	Fabricación Enfriador 20-E-250	4350X9144	1800X11/4"ØBWG10	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2006	



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OFD-2521C	CITGO-FLUOR DANIEL AIR COOLED HEAT EXCHANGERS	2	C-New C/D	6250X9144	680X11/4"ØBWG9	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2006	
OPZ-2575C	PETROZUATA TUBE BUNDLE	2	01EA132C & 01EA132F	4260X7920	680X11/2"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2006	
OCG-2577T	CITGO AIR COOLED HEAT EXCHANGERS	2	E-200 & 201	3650X7320	840X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API	2006	
OPD-25109C	PDVSA CARDÓN, FIN FAN COOLER CONDENSER P.O. No. 4501302228	1	42-E-221 A/B	42300X9144	720X1"ØBWG14	CARBON STEEL	25/19/16/14	CARBON STEEL	ASME, API	2006	
	PDVSA, PETROZUATA, SINCOR, ETC DIFFERENT PROCESS PLANTS TUBE BUNDLES REPAIRS	2700			DIFFERENTS DIAM. GAUGES AND LENGTH	CARBON STEEL ADMIRALTY STAINLESS STEEL			ASME, API CLIENT SPECS TEMA	1983/ 2005	
OST-2441C	Solar Turbines (Turbinas Solar de Venezuela, C.A.) COMPRESSION PLANT SAN JOAQUIN, ANACO-ANZOÁTEGUI-VENEZUELA / AIR COOLED HEAT EXCHANGERS. GAS ANACO PROJECT	10	E-11214101/201/301/401/501	4480 x 9144	4350X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2005	167.80
		10	E-11214102/202/302/402/502	4370 x 9144	4110X1"ØBWG12	STAINLESS STEEL	25/19/16/13	STAINLESS STEEL	ASME, API, TEMA, CLIENT SPECS	2005	358.38
		16	E-11218101/201/301/401	4240 x 9144	6384X1"ØBWG12	STAINLESS STEEL	25/19/16/13	STAINLESS STEEL	ASME, API, TEMA, CLIENT SPECS	2005	509.60
OSO-2659C	Super Octanos, C.A. JOSE-ANZOÁTEGUI-VENEZUELA/Fin Fan Coolers. TUBE BUNDLE P.O. No. SO-009-06	2	E-770-EA-1	365 x 10000	180X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2006/ 2007	7.50
OPD-2629C	PDVSA/JOSE EDO. ANZOÁTEGUI-VENEZUELAMALLAS PARA CAJAS DE VIENTO P.O. No. 4600004216	54	FANS MESH PROTECTION						ASME, API, TEMA, CLIENT SPECS	2006	
	JANTESA SIMMENS.ANACO.	12	E-2131101/201/301/401	4470 x 9392	3192X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2006/ 2007	167.00



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OJN-2574C	EDO. ANZOATEGUI. COMPRESSION PLANT SANTA ROSA. GAS ANACO P.O. No. 7662-EP-M-510-PO-280 REV. A	12	E-2132102/202/302/402/502/602	4030 x 9392	3600X1 1/4"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2006 / 2007	194.02
		8	E-2132103/203/303/403/503/603	3970 x 9144	3960X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2006 / 2007	120.47
OPD-2617C	PDVSA PETROLEO/AIR COOLER/VMP PUNTA DE MATA MATURIN-MONAGAS P.O. No. 4501377635	1	E-1101	2002 x 5486	96X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2006	3.60
OST-2645C	Solar Turbines (Turbinas Solar de Venezuela, C.A.) COMPRESSION PLANT ZAPATO MATA R, ANACO-ANZOATEGUI-VENEZUELA / AIR COOLED HEAT EXCHANGERS. GAS ANACO P.O. No. P.O. No. CS0600615 and No. ZMR-004-06	10	E-31215101/201/301/401/501	4089 x 9144	2064X1"ØBWG12	STAINLESS STEEL	25/19/16/13	STAINLESS STEEL	ASME, PDVSA, ANSI	2005	129.00
		8	E-31214102/202/302/402	3852 x 9144	2740X1"ØBWG12	STAINLESS STEEL	25/19/16/13	STAINLESS STEEL	ASME, PDVSA, ANSI	2005	96.32
		10	E-31215103/203/303/403/503	4375 x 9144	3930X1"ØBWG12	STAINLESS STEEL	25/19/16/13	STAINLESS STEEL	ASME, PDVSA, ANSI	2005	121.20
OPA-2687C	PETROLERA AMERIVEN/AIR COOLED HEAT EXCHANGERS / HAMACA PROJECT P.O. No. 4500072021	1	15-EA-012,	2980 x 9144	768X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2007	27
		1	10-EA-004	1781 x 9144	330X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2007	13
		1	10-EA-005	2461 x 9144	632X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2007	22
OJN-2672C	JANTESA/ICO-7670 PROJECT FASE II P.O. No. 7670-I-GE-30-P-510-OC-301A	9	10-E-3101/3202/3301	2525 x 10363	4536X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2006/ 2007	195
		8	20-E-3101/3202/3301/3401	2643 x 10363	4224X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2006/ 2007	209.2
		9	30-E-3101/3201/3301	4342 x 10363	4680X1"ØBWG12	CARBON STEEL	25/19/16/13	CARBON STEEL	ASME, API, TEMA, CLIENT SPECS	2006/ 2007	190.7



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

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OPD-2591C	PDVSA AMUAY PLANT/FINNED TUBE DIFERENT PROJECT P.O. No. 4501301439	372	FINNED TUBES	9144	372X1"ØBWG14	STAINLESS STEEL	-	-	ASME, CLIENT SPECS	2006	
					4680X1"ØBWG12		-	-			
OPD-2592C	PDVSA PETROLEO, S.A.	820	FINNED TUBES	9144	820X1"ØBWG14	CARBON STEEL	-	-	ASME, CLIENT SPECS	2006	
		1000	FINNED TUBES	9144	1000X1"ØBWG16	STAINLESS STEEL	-	-	ASME, CLIENT SPECS	2006	
OPD-2601C	PDVSA AMUAY PLANT/FINNED TUBE DIFERENT PROJECT P.O. No. 4501352531	296	FINNED TUBES	9144	296X1"ØBWG14	INCOLLOY SB-825	-	-	ASME, CLIENT SPECS	2006	
OPD-2667C	PDVSA AMUAY PLANT/FINNED TUBE DIFERENT PROJECT P.O. No. 4501368183	504	FINNED TUBES	9144	504X1"ØBWG14	CARBON STEEL	-	-	ASME, CLIENT SPECS	2006	
OPA-26121C	PETROLERA AMERIVEN/AIR COOLED HEAT EXCHANGERS / HAMACA PROJECT P.O. No. 4500074556	1	63-EA-001	4793 x 11882	504 x1 1/4"Ø x BWG14	SA-179	25.4 / 12.7	CARBON STEEL	ASME, CLIENT SPECS	2007	22.56
OPD-2710C	PDVSA PETRÓLEO (AMUAY) AIR COOLERS HEAT EXCHANGERS UNIDAD DESPOJADORA DE AGUAS AGRIAS DAA-5 CRP CARDON-FALCON-VENEZUELA / P.O. No. 4620007071	2	33-E-902 A/B	3539 x 8834	472 x1"Ø x BWG14	INCOLLOY SB-163-825	25.4 / 12.7	SA-240 TP316	ASME, CLIENT SPECS	2007	9.88
		2	33-E-904 A/B	2905 x 8859	344 x1"Ø x BWG12	SA-179	25.4 / 15.875 / 12.7	CARBON STEEL			8.37



Calderas y Tuberías "CALTUCA", C.A.

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OPD-2790C	PETROPIAR TUBE BUNDLE ANZOÁTEGUI- VENEZUELA P.O. No. 4500081679	5	10-EA-002 A/B/C/D/E	4325 x 9516.3	2295 x1"Ø x BWG12	SA-789 (UNS 32750)	25.4 / 15.875 / 12.7	CARBON STEEL HIC	ASME, CLIENT SPECS	2007	
		8	12-EA-001 A-H	4642 x 10167	2808 x1 1/2"Ø x BWG12	SA-789 (UNS 31803)	25.4 / 15.875 / 12.7	CARBON STEEL HIC			
		4	15-EA-001 A-D	4340 x 9511	1572 x1"Ø x BWG12	SA-789 (UNS 31803)	25.4 / 15.875 / 19.05	CARBON STEEL HIC			
		1	15-EA-002	3976 x 9499	327 x1 1/4"Ø x BWG12	SA-789 (UNS 31803)	25.4 / 15.875	CARBON STEEL HIC			
		4	24-EA-101 A-D	4325 x 9604	1572 x1"Ø x BWG12	SA-249 TP316L	25.4 / 15.875	CARBON STEEL			
		4	24-EA-102 A-D	4325 x 9469	1572 x1"Ø x BWG12	SA-249 TP316L	25.4 / 15.875 / 19.05	CARBON STEEL			
		4	24-EA-201 A-D	4325 x 9604	1572 x1"Ø x BWG12	SA-249 TP316L	25.4 / 15.875	CARBON STEEL			
		4	24-EA-202 A-D	4325 x 9469	1572 x1"Ø x BWG12	SA-249 TP316L	25.4 / 15.875 / 19.05	CARBON STEEL			



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Experience Chart

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OPD-2781C	PDVSA PLC TUBE BUNDLE Parada de Planta DA-3 Refinería El Chaure PLC-Edo. Anzoátegui - Venezuela P.O. No. 4501731904	1	E-102	ID 787 X 6977 LONG	370 x1"Ø x BWG12	SA-179	-	-	ASME, CLIENT SPECS	2007	-
OSC-2716C	SINCOR P.O. No. 4500070661	2	ADQUISICIÓN DOS (2) COLMENAS PARA EL ENFRIADOR 02-EA-3002	2419 x 9731	444 x1"Ø x BWG11	SA-179	25.4 / 15.875 / 19.05	CARBON STEEL HIC	ASME, CLIENT SPECS	2007	
OPD-2704C	PDVSA AMUAY P.O. No. 4501611402	700	FINNED TUBES	700	700 x1 1/2"Ø x BWG10	SA-214	-	-	-	2007	
ODT-2801C y ODT- 2690C	Ditech P.O. No. 1233PO071000101 and 1233PO071000201	1	25-E-1653	5579 x 8833	355 x1"Ø x BWG12	SA-179	25.4 / 15.875	CARBON STEEL	ASME, CLIENT SPECS		26.86
			25-E-1656		88 x1"Ø x BWG12	SA-179	25.4 / 15.875 / 12.7	CARBON STEEL			
		4	25-E-1662	4404 x 8732	1704 x1"Ø x BWG12	SA-179	25.4 / 15.875	CARBON STEEL			65.55
		2	25-E-1666	5510 x 8732	1704 x1"Ø x BWG12	SA-179	25.4 / 15.875	CARBON STEEL HIC			48.13
		1	25-E-1671	4129 x 8833	266 x1"Ø x BWG12	SA-789 (UNS 32750)	25.4 / 12.7	SA-240 (UNS32750)			12.36
		3	25-E-1675	3322 x 8884	1392 x1"Ø x BWG12	SA-179	25.4 / 15.875 / 12.7	CARBON STEEL HIC			47.13
		1	25-E-1678	4419 x 8795	276 x1"Ø x BWG12	SA-179	25.4 / 15.875 / 12.7	CARBON STEEL			12.93
		1	25-E-1680	4372 x 8833	292 x1"Ø x BWG12	SA-179	25.4 / 15.875 / 12.7	CARBON STEEL			13.29



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
		1	25-E-1692	3464 x 8859	112 x1"Ø x BWG12	SA-789 (UNS 32750)	25.4 / 15.875 / 12.7	CARBON STEEL			10.61
			25-E-1693		114 x1"Ø x BWG12	SA-249 TP304L	25.4 / 15.875 / 12.7	CARBON STEEL			
OPD-2871C	PDVSA AMUAY P.O. No. 4800001245	1	1400 Tubos Aletados "ADQUISICIÓN DE TUBERÍA ALETADA CON ALETAS DE ALUMINIO, REQUERIDAS PARA LA REPARACIÓN GENERAL DE HDAY-3, EN LA REFINERÍA DE AMUAY, DEL CENTRO DE REFINACIÓN PARAGUANÁ"	1400	1400 x1 1/2"Ø x BWG12	SA-214	-	-	-	2008	
OPD-2821C	PDVSA EL PALITO P.O. No. 4501757548	300	FINNED TUBES	300	300 x1"Ø x BWG12	SA-179	-	-	-	2008	
OSM-27112C Rev.2	SUPERMETANOL P.O. No. 270821		Reentubado 100% de Ocho Haces Tubulares EA-4305	2503 x 4500	111 x1"Ø x BWG12	SA-180		CARBON STEEL		2008	10.7
OSO-2874C	SUPER OCTANOS P.O. No. Contrato No SO-033-08 Fabricación FIN FAN Coolers 110-E-4, 110- E-7, 110-E-12, 120-E- 16, 200-E-29 AB	1	110-E-4	2403 x 4800	112 x1"Ø x BWG12	SA-210 Gr A1	25.4 / 15.875 / 12.7	CARBON STEEL	ASME, CLIENT SPEC.	2008	3.7
		1	110-E-7	2983 x 9600	102 x1"Ø x BWG12	SA-210 Gr A1	25.4 / 15.875 / 12.7	CARBON STEEL			9.42
			110-E-12		21 x1"Ø x BWG12	SA-214	25.4 / 15.875	CARBON STEEL			12.58
		1	120-E-16	2983 x 9600	168 x1"Ø x BWG12	SA-214	25.4 / 15.875 / 12.7	CARBON STEEL			
		1	200-EA-29	3243 x 9600	138 x1"Ø x BWG12	SA-214	25.4 / 15.875 / 12.7	CARBON STEEL			11.33



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OPD-2863C	PDVSA ANACO P.O. No. 4500496153	1	Adquisición Enfriador por Aire para el sistema de aceite caliente perteneciente al proyecto IV Tren de extracción San Joaquín	4749 x 10103	624 x 1"Ø x BWG12	SA-179	25.4 / 15.875	CARBON STEEL	ASME, CLIENT SPEC.	2008	24.04
OPD-2854C	PDVSA GAS JOSE P.O. No. 4800000333 Adquisición de 57 Haces Tubulares asociados a los Condensadores tipo FIN FAN Coolers y Air Cooler de la Planta de Fraccionamiento y Despacho Jose.	6	D2-50508	4230 x 12440	1968 x 1"Ø x BWG12	SA-214	25 / 16 /12	CARBON STEEL	ASME, CLIENT SPEC.	2009/ 2010	-
		1	D2-50602	2804 x 12439	233 x 1"Ø x BWG12	SA-214	25 / 16	CARBON STEEL			-
		1	D2-50610	975 x 12439	62 x 1"Ø x BWG12	SA-214	25 / 16 /12	CARBON STEEL			-
		1	D2-50618	271 x 12439	11 x 1"Ø x BWG12	SA-214	25 / 16 /12	CARBON STEEL			-
		12	D2-100508	4230 x 12440	3936 x 1"Ø x BWG12	SA-214	25 / 16 /12	CARBON STEEL			-
	PDVSA PETRÓLEO (REFINERÍA AMUJAY) P.O. No. 4600031947	1	FA-14	ID 1981 X 3048 LONG TT	-	-	12.7	SA-516-70			5.41
		1	FA-15	ID 1778 X 4438 LONG TT	-	-	9.53	SA-516-70			5.8
		1	FA-32	ID 1525 X 10294 LONG TT	-	-	12.7	SA-516-60			8.51



Calderas y Tuberías "CALTUCA", C.A.

Experience Chart

CALTUCA Job Nº:	Client / Description	Bays Quantity	Tag Nº	Overall Dimension (mm)	Tubes Nº/OD/BWG	Tubes Material	Header Thickness (mm)	Header Material	Code or Regulation	Year	Weight (Ton)
OPD-2931C	DISEÑO, PROCURA, FABRICACIÓN Y TRANSPORTE DE LA TORRE, RECIPIENTES A PRESIÓN, FILTROS Y LOS INTERCAMBIADORES DE CALOR PARA EL PROYECTO AUMENTO DE PRODUCCIÓN ACEITES Y BASES LUBRICANTES CRP CARDÓN- "PAQUETE 1"	1	FA-33	ID 1500 X 5000 LONG TT	-	-	9.525	SA-516-70	ASME, CLIENT SPEC.	2009	4.54
		1	FA-34	ID 3100 X 9297LONG TT	-	-	19.05	SA-516-70			18.31
		1	FA-35	ID 2915 X 8745 LONG TT	-	-	9.525	SA-516-70			9.5
		1	F-7	ID 489 X 953 LONG TT	-	-	9.525	SA-516-70			0.4
		1	F-14	ID 489 X 953 LONG TT	-	-	9.525	SA-516-70			0.4
		1	DA-8	ID 2743 X 10770 LONG TT	-	-	19.05	SA-516-70			19.1