

"2015, Año de José María Morelos y Pavón"

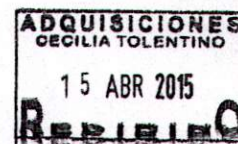


Cd. Delicias, Chih., a 13 de Abril de 2015
Oficio: Dir/177/2015

L.A.E. ALBERTO FARRES CHAVEZ
Jefe del Departamento de Adquisiciones y Servicios
De la Universidad Autónoma de Chihuahua
Presente.

En alcance al oficio No. Dir/173/2015, le envío especificaciones del equipo de ordeño las cuales son más apegadas al proyecto del microparque agroindustrial de esta unidad académica (Establo), los requerimientos serían las partidas 1, 2 y 4.

Sin otro particular de momento, agradezco todas sus atenciones.



ATENTAMENTE

"Cultivar la mente para cultivar el campo"

M.C. FRANCISCO MÁRQUEZ SALCIDO
Director
FACULTAD DE CIENCIAS AGRÍCOLAS Y FORESTALES
UNIVERSIDAD AUTÓNOMA DE CHIHUAHUA
DIRECCIÓN

C.c.p. Dr. Rosendo Mario Maldonado Estrada, Director de Planeación y Desarrollo Institucional de la UACH.
M.A. Laura Escalera Ochoa, Secretaria Administrativa de la FCA Y F.
M.C. Gabriel Zúñiga Ávila, Secretario de Planeación y Desarrollo Institucional de la FCA Y F.
Archivo.

**FACULTAD DE CIENCIAS
AGRICOLAS Y FORESTALES
U. A. CH.
DIRECCIÓN
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17 ABR 2015

12:44
DIRECCIÓN DE PLANEACIÓN
M.A. ESCALERA OCHOA ANATA

SOLAR SUMINISTROS AGROPECUARIOS E INDUSTRIALES



AV. 2A. ORIENTE No.1206
COL. BENITO JUAREZ
CD. DELICIAS, CHIH.
TEL.(639) 472-4812, CEL. (639)119-3737
ING. OSCAR ALONSO REYNOSA



CD. DELICIAS, CHIH., A 13 DE ABRIL 2015

ING. FRANCISCO MARQUEZ
FACULTAD DE CIENCIAS AGRICOLAS Y FORESTALES
PRESENTE.-

POR MEDIO DEL PRESENTE ME PERMITO PRESENTAR A USTED LA SIGUIENTE, COTIZACION:

PARTIDA	DESCRIPCION	CANTIDAD	PRECIO UNIT.	SUBTOTAL
EQUIPO BASICO:				
1	ESTRUCTURA Y EQUIPO DE ORDEÑO PARA SALA DE ORDEÑO ESPINA DE PESCADO 2 X 4, EL CUAL CONSTA DE ESTRUCTURA METALICA EUROCLASS 1200 HB, SISTEMA DE PULSACION ELECTRONICA, SISTEMA DE LAVADO, TINA DE LAVADO 29 GALONES, GRUPO DE RECIBO DE LECHE EN AC. INOX. 18" X 18" CON MOTOR DE 1 H.P., PORTAFILTRO DE LECHE, SISTEMA DE VACIO CON TANQUE DE BALANCE HORIZONTAL, PREFILTRO DE AIRE, BOMBA DE VACIO WESTFALIA RPS 2100 C/MOTOR ELECT. 7.5 H.P. 3F/230V, REGULADOR DE VACIO, COLECTORES DE LECHE WESTFALIA C/CASQUILLO 06 WESTFALIA, MANGUERA DE LECHE, MANGUERA DE PULSACION DOBLE, LINEA DE LECHE EN AC. INOX. 3", LINEA DE LAVADO EN AC. INOX. 2", LOTE MATERIAL PVC Y MANO DE OBRA X INSTALACION.	1	\$ 61,500.00	\$ 61,500.00
			SUBTOTAL \$	61,500.00
			16% IVA \$	9,840.00
			TOTAL USD. \$	71,340.00
OPCION No.1				
2	EQUIPO DE MEDICION DE LECHE Y RETIRADO PARA HABILITAR 8 PUESTOS DE ORDEÑO, EL CUAL CONSTA DE PANTALLA DEMATRON 75 CON TECLADO NUMERICO PARA INTRODUCIR NUMERO DE ANIMAL, VASO PESADOR, CILINDRO RETIRADOR HORIZONTAL, CAJA DE CONTROL DE MANDO, SOFTWARE DAIRY PLAN PARA MAS DE 1000 REGISTROS, PULSACION ELECTRONICA STIMOPULSE APEX M E INCLUYE MANO DE OBRA X INSTALACION.	1	\$ 27,700.00	\$ 27,700.00
			SUBTOTAL \$	27,700.00
			16% IVA \$	4,432.00
			TOTAL USD. \$	32,132.00
OPCION No.2				
3	EQUIPO DE MEDICION DE LECHE Y RETIRADO PARA HABILITAR 8 PUESTOS DE ORDEÑO, EL CUAL CONSTA DE PANTALLA DEMATRON 55 SIN TECLADO NUMERICO CON INDICADOR DE PRODUCCION, SENSOR DE FLUJO, CILINDRO RETIRADOR HORIZONTAL, CAJA DE CONTROL DE MANDO, SOFTWARE DAIRY PLAN PARA MAS DE 1000 REGISTROS, PULSACION ELECTRONICA AUTOPULSE APEX M E INCLUYE MANO DE OBRA X INSTALACION.	1	\$ 21,850.00	\$ 21,850.00
			SUBTOTAL \$	21,850.00
			16% IVA \$	3,496.00
			TOTAL USD. \$	25,346.00
TANQUE ENFRIAMIENTO:				
4	TANQUE DE ENFRIAMIENTO KOOLWAY GEA WESTFALIA C/CAPACIDAD DE 1250 GAL. (4,732 LTS.) EL CUAL INCLUYE: 1 AGITADOR, ESCALERA, CONTROL EXPERT CON MOTOBBA. DE LAVADO DE 0.5 H.P., MANIFUL DE LAVADO CON BBAS. PERISTATICAS, DOS UNIDADES CONDENSADORAS TECUMSEH DE 6 H.P. R-22 230V/3F. T.E.: 10 A 12 SEMANAS	1	\$ 49,500.00	\$ 49,500.00
			SUBTOTAL \$	49,500.00
			16% IVA \$	7,920.00
			TOTAL USD. \$	57,420.00

LAB.: CD. DELICIAS, CHIH.

T.E.: 10 A 12 SEMANAS DESPUES DE RECIBIDO SU ANTICIPO.

CONDICIONES: 70% ANTICIPO Y RESTO AL ENTREGAR EL EQUIPO EN FUNCIONAMIENTO.

LA PRESENTE COTIZACION ES EN DOLARES AMERICANOS E INCLUYE IVA.

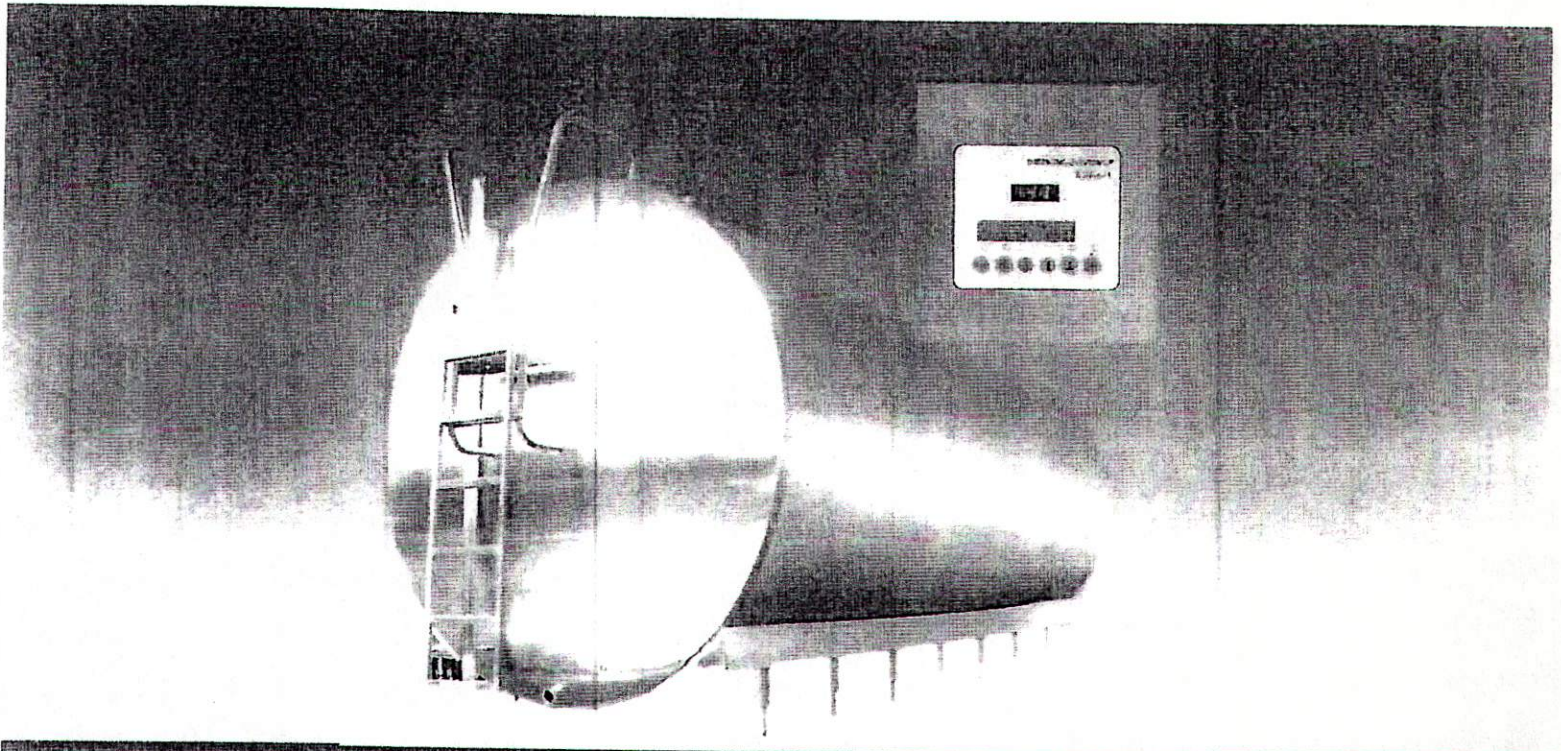
VIGENCIA DE LA PRESENTE COTIZACION 30 DIAS.

DE ANTEMANO POR LA ATENCION PRESTADA A LA PRESENTE MUCHAS GRACIAS.

MUY ATENTO Y SEGURO SERVIDOR

ING. OSCAR ALONSO REYNOSA

GEA



GEA Farm Technologies

KoolWay™ milk tanks

1000-8000 gallon tanks, Expert control

Instruction Manual / Installation Instructions / Parts List
(Original instructions)

7750-9015-009

08-2010

GEA Farm Technologies - The right choice.

3.3 Design of the equipment

Cylindrical horizontal stainless steel milk cooling tank with laser welded evaporator panels.

Adjustable legs allow the tank to be leveled. Milk outlet is located at the bottom of the front of the tank.

A manhole cover is located on the top of the tank near the front. A ladder is mounted to the front of the tank to access the manhole cover.

The tank can be top filled through the man hole or bottom filled through the milk outlet valve. Tanks have 1 or 2 internal agitator paddles to blend the milk for efficient cooling.

All tanks include an Expert tank control and wash pump.

3.4 Functional description

Cooling mode:

The temperature sensor indicates when milk is above storage temperature and needs to be cooled.

The Expert control operates the condensing units and agitators to cool the milk and maintain it at storage temperature.

The Expert control can operate up to 4 condensing units in 3 stages to reduce energy costs and prevent milk from freezing.

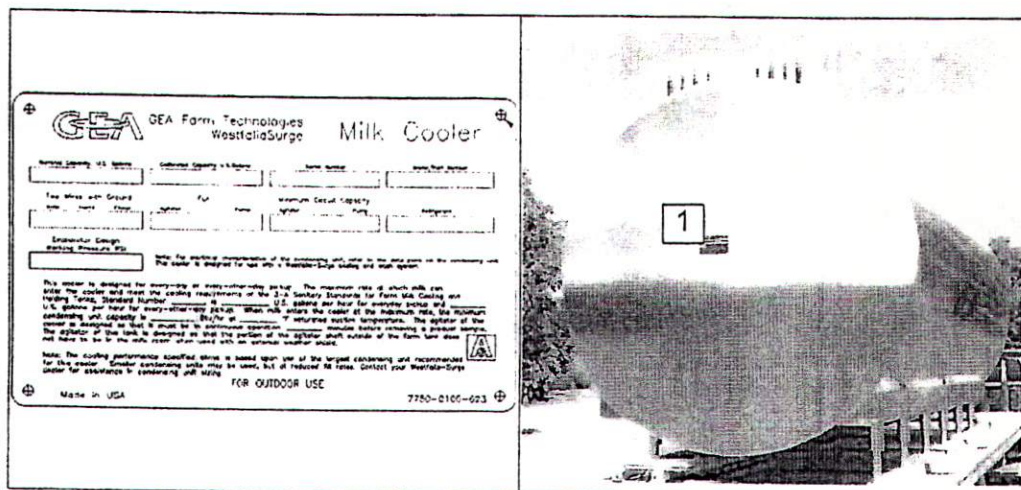
Wash mode:

The Expert control operates the cleaning cycles for the tank including operating the chemical dispensers, hot and cold water fill valves and the wash pump.

There are 4 cleaning cycles to choose from. These cycles can include washing with 1- or 2-part detergent, acid rinse, and sanitizing.

Rating plate

The rating plate is attached to the back of the tank (1).

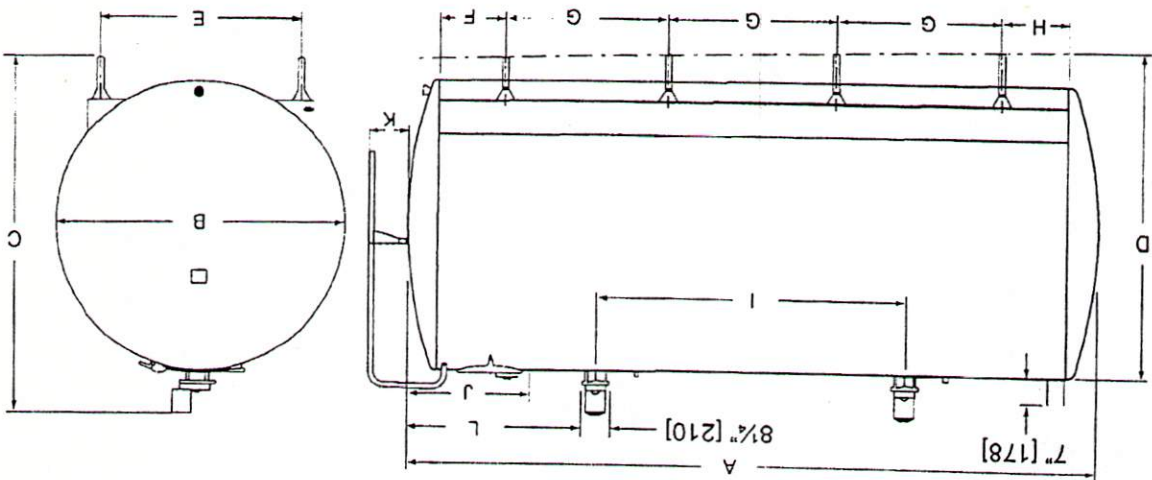


3.5 Technical Data

Geometric data

Size gal [L]	Average calibration	Legs	Evaporator plates	Agitators	Min HP/ plate	Max HP/ plate	Outlet size
1000	1050 gal [3975 L]	4	2	1	3		2
[3786]		4					
1250	1300 gal [4921 L]	4					
[4,732]	1650 gal [6246 L]	6					
1600	1650 gal [6246 L]	6					
[6057]							
2000	2050 gal [7760 L]	6					
[7571]							
66" [1676 mm]							
2500	2575 gal [9747 L]	6	2	2	3	5	3
[9464]							
3000	3150 gal [11,924 L]	6		3			
[11,356]							
4000	4200 gal [15,899 L]	12		4			
[15,142]							
100.5" [2553 mm]							
5000	5100 gal [19,306 L]	10	3	2	3	5	3
[18,927]							
6400	6500 gal [24,605 L]	12		4			
[24,227]							
106" [2692 mm]							
7200	7300 gal [27,633 L]	14	4	2	3	5	3
[27,255]							
8000	8200 gal [31,040 L]	16					
[30,283]							

Size gal [L]	A	B	C	D	E	F	G	H	I	J	K	L
66" [1,676 mm]												
1000	102	66.5	89	76.5	38	16	54.8	16	--	36	14	41
[3786]	[2591]	[1689]	[2261]	[1943]	[965]	[406]	[1392]	[406]	--	[914]	[356]	[1041]
1250	118.5	66.5	89.4	76.9	38	16	71.5	16	--	36	14	49
[4732]	[3010]	[1689]	[2271]	[1953]	[965]	[406]	[1816]	[406]	--	[914]	[356]	[1245]
1600	148	66.5	90.1	77.6	38	16	50.5	16	--	36	14	63.5
[6057]	[3759]	[1689]	[2289]	[1971]	[965]	[406]	[1283]	[406]	--	[914]	[356]	[1613]
2000	179	66.5	90.8	78.4	38	16	66	16	--	36	14	79.5
[7571]	[4547]	[1689]	[2306]	[1191]	[965]	[406]	[1676]	[406]	--	[914]	[356]	[2019]
80" [2,032 mm]												
2500	149.73	80.87	103.4	90.12	45.99	13.6	52.1	14.6	--	33	14	58.58
[9464]	[3803]	[2054]	[2626]	[2289]	[1168]	[346]	[1323]	[371]	--	[838]	[356]	[1488]
3000	181.81	80.87	105.27	90.87	45.99	13.6	68.1	16.4	74	33	14	45
[11,356]	[4618]	[2054]	[2674]	[2308]	[1168]	[346]	[1730]	[417]	[1880]	[838]	[356]	[1143]
4000	256.46	80.87	106.77	92.37	45.99	13.6	42.2	17.3	138	33	14	50
[15,142]	[6514]	[2054]	[2712]	[2346]	[1168]	[346]	[1072]	[439]	[3505]	[838]	[356]	[1270]
100.5" [2,553 mm]												
5000	183.62	100.55	125.24	110.55	66.14	19.25	31.7	20.3	74	33	14	45
[18,927]	[4664]	2554	[3181]	[2808]	[1680]	[489]	[805]	[516]	[1880]	[838]	[356]	[1143]
6400	230.47	100.55	126	111.55	66.14	19.88	34.5	20.9	106.6	33	14	50
[24,227]	[5854]	[2554]	[3200]	[2833]	[1680]	[505]	[876]	[531]	[2708]	[838]	[356]	[1270]
106" [2,692 mm]												
7200	230.47	106.6	129.89	117.06	68.51	19.88	28.75	20.9	106.6	33	14	50
[27,255]	[5854]	[2694]	[3299]	[2973]	[1740]	[505]	[730]	[531]	[2708]	[838]	[356]	[1270]
8000	256.46	106.06	130.38	117.56	68.51	16.38	29.34	17.4	138	33	14	50
[30,283]	[6514]	[2694]	[3312]	[2986]	[1740]	[416]	[745]	[442]	[3505]	[838]	[356]	[1270]



Geometric data