



To:	TSSA	From:	Janet Townsend
Company:	Guntner de Mexico, S.A de C.V	Phone:	416-747-4291
Pages:	4	Location:	Toronto
Our File:	ANR-3106	Date:	July 7, 2014

Your File: 1370598

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has received the documentation submitted by Guntner de Mexico, S.A de C.V. These fittings has been registered by CSA for the Province of Québec in accordance with an agreement between CSA and the Province of Québec.

The CRN is 0H16813.56.

The cost for this service is \$ 760.00 plus HST.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend

Account Manager

CSA Group

janet.townsend@csagroup.org

www.csagroup.org



TECHNICAL STANDARDS &
SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will
appear on the fitting, in the space below

GÜNTNER

STATUTORY DECLARATION

Registration of Fittings

I, IAN RUNSEY, V.P. PRODUCT MANAGEMENT

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of GUNTNER DE MEXICO, S.A. DE C.V.

(Name of Manufacturer)

Located at Av. Rogelio Gonzalez Caballero No. 1000, Parque Industrial Stiva
Aeropuerto, 66600 Apodaca, N.L., Mexico

(Plant Address)

(81) 81560600

(Telephone No.)

(81) 81560606

(Fax No.)



do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of
ASME SECTION VIII-1

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;



or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with
as supported by the attached data which identifies the dimensions, material of construction,
pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001
which has been verified by the following authority, TUV-SUD

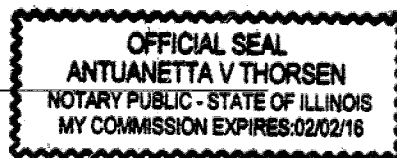
The items covered by this declaration, for which I seek registration, are category H Fittings - Heat Exchanger type fittings. In support of
this application, the following information and/or test data are attached as follows:
DRAWING 300-0000282905, DESIGN CALCULATIONS

(drawings, calculations, test reports, etc.)

Declared before me at 110 W. Hillcrest Blvd. in the state of IL
the 26th day of November AD 20 13.

Commissioner for Oaths:

(Signature)
(Printed name)



(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and
CSA Standard B51 and is accepted for registration in Category H.

CRN: OH16813.56

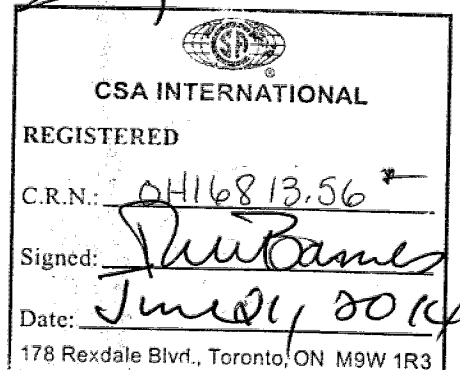
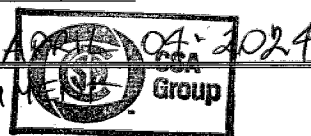
Registered by: R. Barnes

Dated: June 21, 2014

NOTE: This registration expires on

PV 09553 (06/04)

*SEE THE ATTACH



BILL OF MATERIALS				
PDS	DESCRIPTION	IDENT.	MATERIAL	ASME STANDARD
1	HEADER	d1 x s1	STAINLESS STEEL	SA-312-304,304L,316 DR 316L
2	CONNECTION	d2 x s2	STAINLESS STEEL	SA-312-304,304L,316 DR 316L
3a	CORE TUBE OPTION 2	d3 x s3a	STAINLESS STEEL	SA-249-304,304L,316 DR 316L
3b	CORE TUBE OPTION 3	d3 x s3b	STAINLESS STEEL	SA-249-304,304L,316 DR 316L
4a	ELBOW OPTION 2	d3 x s3a	STAINLESS STEEL	SA-249-304,304L,316 DR 316L
4b	ELBOW OPTION 3	d3 x s3b	STAINLESS STEEL	SA-249-304,304L,316 DR 316L
5	HEADER FLAT PLATE	d5 X s5	STAINLESS STEEL	SA-240-304,304L,316 DR 316L
6	CAPILLAR	d6 X s6	STAINLESS STEEL	SA-249-304,304L,316 DR 316L
7	CAPILLAR PLATE	d7 X s7	STAINLESS STEEL	SA-479-304,304L,316 DR 316L
8	DISTRIBUTOR COMPLETE WITH CRN		STAINLESS STEEL	SA-182-304,304L,316 DR 316L
9	DISTRIBUTOR PIPE	d2 x s2	STAINLESS STEEL	SA-312-304,304L,316 DR 316L
10	DISTRIBUTOR FITTINGS	d2 x s2	STAINLESS STEEL	SA-403-304,304L,316 DR 316L

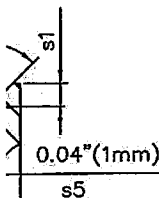
VALUES FOR A IN INCHES (REQUIRED WELD SIZE)

MATERIAL		CONNECTION (d2 OR d3)	HEADER NOMINAL PIPE SIZE (d1)								
			1/2'	3/4'	1'	1-1/4'	1-1/2'	2'	2-1/2'	3'	4'
TYPE 304, 304L SS, 316 SS OR TYPE 316L SS	d3	0.472" X 0.028" (12MM X 0.70MM)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	d3	0.591" X 0.039" (15MM X 1.00MM)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	d3	0.591" X 0.032" (15MM X 0.80MM)	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	d2	1/2'			0.11	0.11	0.11	0.11	0.11	0.16	0.26
	d2	3/4'				0.12	0.12	0.12	0.13	0.23	0.32
	d2	1'					0.13	0.14	0.14	0.25	0.36
	d2	1-1/4'						0.14	0.14	0.32	0.44
	d2	1-1/2'							0.15	0.15	0.49
	d2	2'								0.32	0.38
	d2	2-1/2'									0.38

NOTE: CORE TUBES(d3) ATTACHED TO HEADER IN ACCORDANCE WITH FIGURE UW-16.1(W-1).

HEADER(1) AND CONNECTION(2) COMBINATIONS AND HEADER FLAT PLATE(5) DETAILS			CORE TUBE (3) COMBINATIONS AND DETAILS				
HEADER (1) d1xs1	MAX. CONNECTION SIZE (2) d2xs2	FLAT PLATE MIN. THK. TP (5) d5xs5	d3 0.472" (12.00mm)	s3a 0.028" (0.70mm)	s3b	R3 0.689" (17.50mm) 0.984" (25.00mm) 1.575" (40.00mm)	H 1.378" (35.00mm) 1.575" (40.00mm)
1/2" x 0.109"		1.058" x 0.100"	0.591" (15.00mm)	0.032" (0.80mm)	0.039" (1.00mm)	0.689" (17.50mm) 0.984" (25.00mm)	
3/4" x 0.113"		1.276" x 0.130"					
1" x 0.133"	1/2" x 0.109"	1.581" x 0.160"	CORE TUBE(3), CAPILLAR(6) AND CAPILLAR PLATE (7) DETAILS				
1-1/4" x 0.140"	3/4" x 0.113"	1.940" x 0.210"	CORE TUBE (3) d3xs3a 0.472" X 0.028" 12.00MM X 0.70MM	CORE TUBE (3) d3xs3a	CORE TUBE (3) d3xs3b	CAPILLAR (6) d6xs6 0.157" x 0.039" 4.00MM X 1.00MM 0.197" x 0.039" 5.00MM X 1.00MM 0.236" x 0.039" 6.00MM X 1.00MM 0.157" x 0.039" 4.00MM X 1.00MM 0.197" x 0.039" 5.00MM X 1.00MM 0.236" x 0.039" 6.00MM X 1.00MM	CAPILLAR PLATE (7) d7xs7 0.416" X 0.197" 10.60MM X 5MM
1-1/2" x 0.145"	1" x 0.133"	2.190" x 0.250"					
2" x 0.154"	1-1/4" x 0.140"	2.683" x 0.320"					
2-1/2" x 0.203"	1-1/2" x 0.145"	3.281" x 0.380"					
3" x 0.216"	2" x 0.154"	3.932" x 0.470"		0.591" X 0.032" 15.00MM X 0.80MM			0.527" X 0.197" 13.40MM X 5MM
4" x 0.237"	2-1/2" x 0.203"	4.500" x 0.610"			0.591" X 0.039" 15.00MM X 1.00MM		0.513" X 0.197" 13.00MM X 5MM

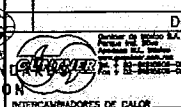
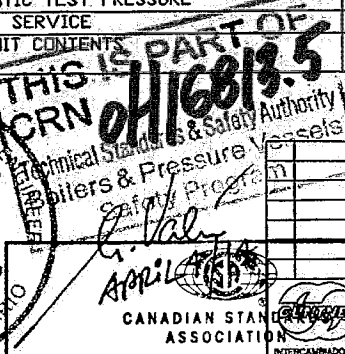
NOTE: Available connection sizes d2 x s2 are: 1/2" x 0.109", 3/4" x 0.113", 1" x 0.133", 1-1/4" x 0.140", 2" x 0.154", 2-1/2" x 0.203"



L V1

DESIGN CODE		ASME SECTION VIII-DIV.1, 2013	
MAXIMUM ALLOWABLE WORKING PRESSURE (MAWP)		1160 PSIG (80 BAR)	
MAXIMUM ALLOWABLE EXTERNAL PRESSURE (MAEWP)		NONE	
MAXIMUM DESIGN METAL TEMPERATURE		284°F (140°C)	
MINIMUM DESIGN METAL TEMPERATURE		-148°F (-100°C)	
IMPACT TEST		NOT REQUIRED ACCORDING TO UHA-51(D) FOR MATERIALS	
CORROSION		ACCORDING TO UG-25(D) CORROSION IS ONLY SUPERFICIAL NATURE	
NDE		NONE	
HEAT TREATMENT		NONE	
HYDROSTATIC TEST PRESSURE		1.3XMAWP = 1509 PSIG (104 BAR)	
SERVICE		FOR NON-LETHAL SERVICE	
UNIT CONTENTS		ANY REFRIGERANT ACCORDING TO SAFETY CLASSIFICATION PER ANSI/ASHRAE 34-2001, CD2, NH3	

3a
3b



Es:	Material:	Peso:
Pos:	Cliente:	
Cantidad:		
Modelo:	Heat Exchanger Stainless Steel for 80 Bar	
Dibujo No.:	300-0000282905	
Revisión:	PDM	
Proy:	Orden:	

ATTACHMENT TO
CRN 0116813.56
SIGNED [Signature]
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3



America

CERTIFICATE

The Certification Body of
TÜV SÜD AMERICA INC.

hereby certifies that

Güntner de México, S.A. de C.V.
Rogelio González Caballero No. 1000
Parque Industrial Stiva Aeropuerto
Apodaca, Nuevo León; México. CP. 66600

has implemented a Quality Management System
in accordance with:

ISO 9001:2008

The scope of this Quality Management System includes:

**The manufacture of heat exchangers for
refrigeration, air conditioning and systems
for industrial processes cooling**

Certificate Expiry Date: January 28, 2017

Certificate Registration No: 951 14 6473

Effective Date: January 29, 2014



G. W. Minks
Gary W. Minks
VP, Regulatory Affairs

