

REGISTRATION OF A PRESSURE FITTING DESIGN

02-Dec-20

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Tanya Francis

File Number: 11805 [0 F]

Re: Manufacturer: Gunter de Mexico, S.A. de C.V.
Item: Distributor
Catalog or Drawing: Design Report R-0418 Rev. 1 & Scope of Registration (30-Jul-20)

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OH16949.53 Expiry Date: September 1, 2030

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.
Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, JAMISON DITTHARDT
PRODUCT AND SOLUTIONS DEVELOPMENT MANAGER
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)



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 – Apt/Street) (City,Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of ASME SECTION VIII-1, ASME B31.3 which specifies the dimensions, Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
(title of recognized North American Standard)
- 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, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, TUV-SUD ISO 9001 as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY H - DISTRIBUTOR

In support of this application, the following information, calculations and / or test data are attached:
SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

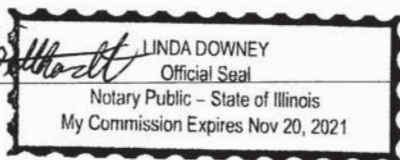
II. Declaration

DECLARED before me at ROLLING MEADOWS the COUNTY of COOK

this 24th day of JUNE, 2020

LINDA DOWNEY
(print name)

Jamison Ditthardt
(signature)



Linda Downey
(Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category _____



Registration No. OH16949.53
File No. 11805
Registered
Date: December 2, 2020
Expiry Date: September 1, 2030
Codes & Standards Compliance Office

(Date Registered – MM DD YYYY) (Expiry Date – MM DD YYYY)
(For the Administrator / Chief Inspector)

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this 24th day of JUNE, 2020

LINDA DOWNEY (print name) Jamison Ditthardt (Signature)
Linda Downey (Signature of Commissioner of Oaths)

LINDA DOWNEY
Official Seal
Notary Public - State of Illinois
My Commission Expires Nov 20, 2021

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Technical Safety Authority of Saskatchewan

Registration No. OH16949.53
File No. 11805

Registered

Date: December 2, 2020
Expiry Date: September 1, 2030

Codes & Standards Compliance Office

(Date Registered – MM DD YYYY) (Expiry Date – MM DD YYYY)
(For the Administrator / Chief Inspector)



SCOPE OF CRN REGISTRATION

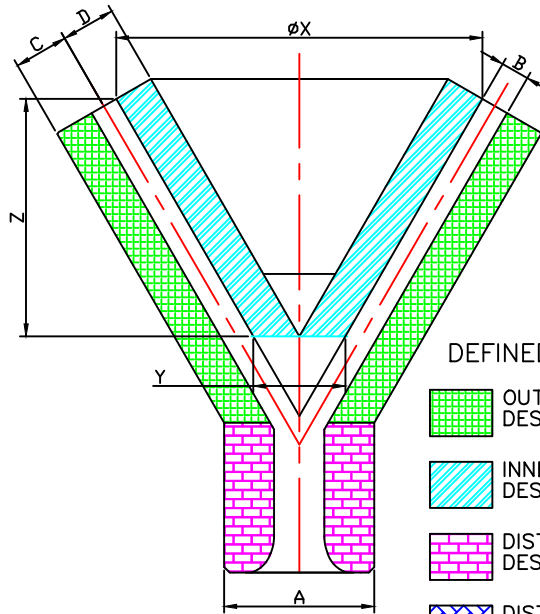
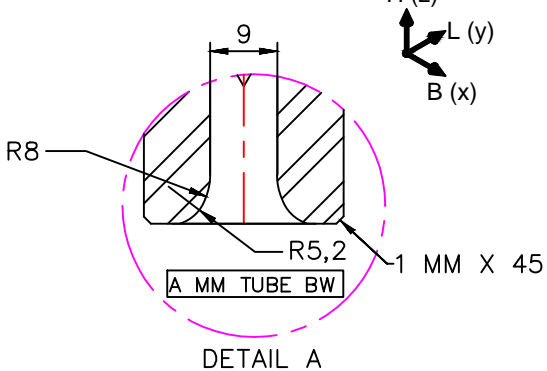
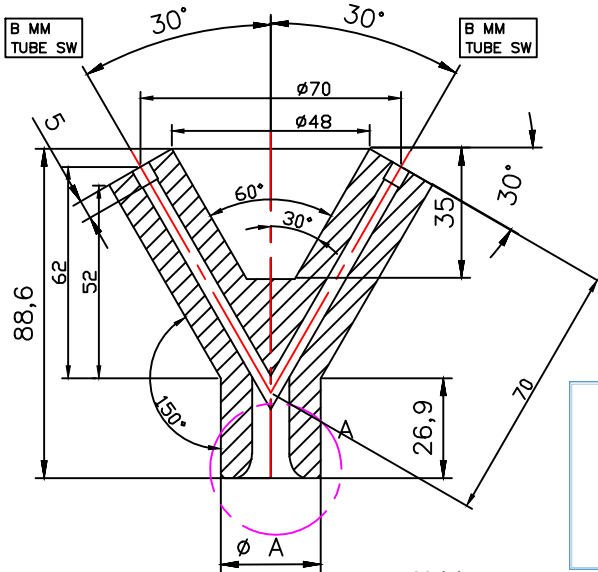
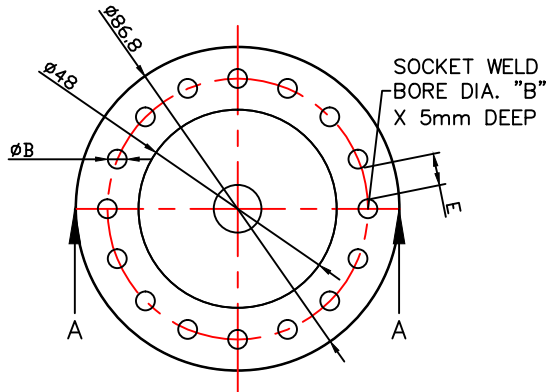
Product Description	Models	Size Range	Drawing No.	Design Code	Connections	MAWP at MAWT	Material Specification	MDMT (°C)/(°F)	Report Number
Distributor	21-4,	Ø21xØ4	300-0000421923 Rev. 1	ASME B31.3, ASME VIII-1	Buttweld x Socketweld	120 barg at 150°C / 1740 psig at 302°F	Stainless Steel ASME SA182-304/304L, ASME SA479-304/304L, ASME SA182-316/316L, ASME SA479-316/316L	-160°C/ -320°F	R-0418 Rev. 1
	21-5,	Ø21xØ5							
	21-6,	Ø21xØ6							
	26-4,	Ø26xØ4							
	26-5,	Ø26xØ5							
	26-6,	Ø26xØ6							
	33-4,	Ø33xØ4					Carbon Steel ASME SA105, ASME SA36	-29°C/ -20°F	
	33-5,	Ø33xØ5							
	33-6,	Ø33xØ6							
	42-4,	Ø42xØ4							
	42-5,	Ø42xØ5							
42-6,	Ø42xØ6								

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.



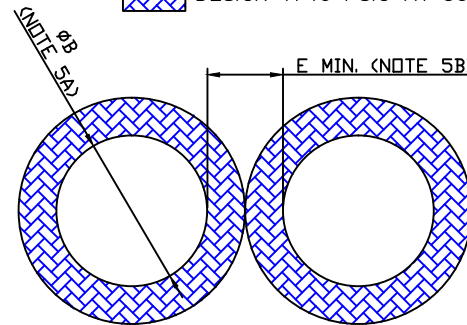
medidas sin especificación de tolerancias
 soldadura eléctrica / autógena: DIN EN ISO 13920, tolerancias clase D
 tolerancias generales: DIN ISO 2768-1, partes clase m / ensamblajes sg,
 tolerancias generales: DIN ISO 2768-2, partes clase K / ensamblajes L; longitud >4m DIN 7166, partes clase m / ensamblajes sg,
 tolerancias generales: DIN ISO 2768-2, partes clase K / ensamblajes L; longitud >3m EN 10162, planicidad y linealidad 0,002x (longitud)

nota de protección de documento conforme a DIN ISO 16016



DEFINED ASME AREA MODEL

- OUTER DISTRIBUTOR TRANSITION
DESIGN 1740 PSIG AT 302 F INTERNAL
- INNER DISTRIBUTOR TRANSITION
DESIGN 1740 PSIG AT 302 F EXTERNAL
- DISTRIBUTOR CYLINDER
DESIGN 1740 PSIG AT 302 F INTERNAL
- DISTRIBUTOR SOCKET WELD TUBES
DESIGN 1740 PSIG AT 302 F INTERNAL



DISTRIBUTOR SOCKET WELD TUBE PORTS SPACING MODEL

Technical Safety Authority of Saskatchewan
 Registration No. OH16949.53
 File No. 11805
 Registered
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Codes & Standards Compliance Office

- NOTES:**
- 1) ALL DIMENSIONS ARE IN SI UNITS.
 - 2) IMPACT TEST EXEMPT.
 - 3) TESTING OF THE ASSEMBLY TO BE PERFORMED AS PART OF ASSEMBLED PIPING OR A INITIAL SERVICE LEAK TEST PERFORMED IN ACCORDANCE WITH PARAGRAPH 345.7 OF ASME B31.3.
 - 4) MDMT IS AS FOLLOWS:
 - 304/304L/316/316L S.STEEL: -320 F
 - CARBON STEEL: -20 F
 - 5) BASED ON THE ASME VIII-1 CALCULATIONS A DISTRIBUTOR WITH THE SAME ENVELOP DIMENSIONS CAN BE USED AS LONG AS THE FOLLOWING IS MET:
 A) THE MAXIMUM SOCKET WELD TUBE PORT BORE DIAMETER IS 6.00 MM.
 B) THE TOTAL NUMBER OF TUBE PORTS IS SUCH THAT THE MINIMUM DISTANCE BETWEEN SOCKET WELD TUBE PORTS IS 4.00 MM MINIMUM.

DIMENSIONAL DATA

MODEL	DIA. A (mm)	DIAMETER B (mm)	MIN. THICKNESS C (mm)	MIN. THICKNESS D (mm)	MIN. DISTANCE E (mm)	X (MM)	Y (MM)	Z (MM)
21-4	21	4.0000	9.7000	9.7000	4.0000	66.5000	17.8000	42.2000
21-5		5.0000	9.7000	9.7000	4.0000	65.7000	16.6000	42.5000
21-6		6.0000	9.7000	9.7000	4.0000	64.8000	15.5000	42.7000
26-4	26	4.0000	9.7000	9.7000	4.0000	66.5000	17.8000	42.2000
26-5		5.0000	9.7000	9.7000	4.0000	65.7000	16.6000	42.5000
26-6		6.0000	9.7000	9.7000	4.0000	64.8000	15.5000	42.7000
33-4	33	4.0000	9.7000	9.7000	4.0000	66.5000	17.8000	42.2000
33-5		5.0000	9.7000	9.7000	4.0000	65.7000	16.6000	42.5000
33-6		6.0000	9.7000	9.7000	4.0000	64.8000	15.5000	42.7000
42-4	42	4.0000	9.7000	9.7000	4.0000	66.5000	17.8000	42.2000
42-5		5.0000	9.7000	9.7000	4.0000	65.7000	16.6000	42.5000
42-6		6.0000	9.7000	9.7000	4.0000	64.8000	15.5000	42.7000

DESIGN DATA

VESSEL CODE	ASME VIII-1, 2019
PIPE CODE	ASME B31.3, 2018
CODE STAMP	NONE
CRN NUMBER	TBA
WIND CODE	N/A
SEISMIC CODE	N/A
IMPACT TEST	NONE
INTERNAL DESIGN	1740 PSIG AT 302 F
EXTERNAL DESIGN	0 PSIG AT 302 F
MDMT	NOTE 4
HYDROTEST PRESS	INFIELD (NOTE 3)
CORROSION ALLOW	NIL
RADIOGRAPHY	NONE
MT / PT	NONE
WPS	TBA
PWHT	NONE
WEIGHT DRY	N/A LBS.
WEIGHT FULL	N/A LBS.
VOLUME	<1.2USGAL (<1.5 FT^3)
INTERNAL FINISH	NONE
EXTERNAL FINISH	NONE

Material:

- DV: Stainless Steel SA182-304/304L
- DV: Stainless Steel SA479-304/304L
- DV: Stainless Steel SA182-316/316L
- DV: Stainless Steel SA479-316/316L
- DF: Carbon Steel SA105
- DF: Carbon Steel SA36

escala		NONE	tamaño		DIN A3
material					
peso [kg]					
notificación					
tipo Distributor General Dwg CRN					
nombre					
Baan-No.					
Increased Design Pressure to 120 barg / 1740 psig and Design Temperature to 150C / 302F					
30/07/2020 1					
descripcion fecha nombre					
número de dibujo 300-0000421923 rev. 1					
Güntner de México S.A. de C.V. Rogelio González Caballero #1000 Parque Ind. Stiva Aeropuerto 96600 Apodaca, N.L. México Tel. + 52 81 9156 0600 www.guenter.com.mx					
Güntner					
11.03.2014 emontalvo cliente					
aprb: proyecto / cantidad					
orden / posición					