

## REGISTRATION OF A PRESSURE FITTING DESIGN

February 16, 2024

TSSA  
345 Carlingview Dr.  
Toronto, ON  
Canada  
M9W 6N9

**Attention: Cecylia Garbacz**

**File Number: 100172**

**Re: Manufacturer:** ISOTUBI, S.L.  
**Item:** Stainless Steel Press System Fittings  
**Catalog or Drawing:** Per Scope of Registration (05-May-23) & Design Report R-1677-2 Rev. 0

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:

**0A24894.53**

**Expiry Date: 2033-11-08**

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:**

CRN issuance based upon registration by another province.

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

See Worldwide Locations Appendix (rev. January 19, 2023) for list of manufacturing locations.

**Statutory Declaration (Registration of Fittings)**

**TSK-1008**

**I. Declaration Information**

I, MERITXELL ARNEDO,  
CEO  
(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: ISOTUBI, S.L.  
(name of manufacturer)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



located at: SEE WORLDWIDE LOCATIONS APPENDIX  
(Plant Address – Apt/Street) (City,Prov) (Postal Code)

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

- Comply with the requirements of \_\_\_\_\_ which specifies the dimensions, (title of recognized North American Standard) Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
- Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3, B31.1, B31.9 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 ISO 9001:2015 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 A - PRESS SYSTEM - FITTINGS


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

**II. Declaration**

DECLARED before me at \_\_\_\_\_ In the \_\_\_\_\_ of \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_,  
(print name) (Signature)  
(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 \_\_\_\_\_

 **Technical Safety Authority of Saskatchewan**

Registration No. 0A24894.53  
 File No. 100172  
 Registered  
 Date: February 16, 2024  
 Expiry Date: November 8, 2033  
Codes & Standards Compliance Office

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

I, **ALMUDENA CASTRO-GIRONA MARTÍNEZ**, Notary at **CASTELLBISBAL**, that belongs to the Collage Of Notaries Of Catalonia certify that the extended signature on the back of this document, belongs to **DOÑA MERITXELL ARNEDO SANTAMARIA** with **D.N.I y N.I.F.** number **44.982.160-W**, who has signed in my presence. This document is written in English, language that I the Notary, understand and it will produce its effects in Canada. This document has been incorporated to the Public deed number 459 once the signature has been certified, in according to Art 207 Notarial Reglamentary.



Number nº 119 in the **Second Section** of my indicator book

In **CASTELLBISBAL** a 06 of June 2023

YO, **ALMUDENA CASTRO-GIRONA MARTÍNEZ**, Notario del Ilustre Colegio de **CATALUNYA** con residencia en **CASTELLBISBAL**, DOY FE: De que la firma extendida en el reverso del folio que antecede escrito en lengua inglesa, que yo el Notario conozco, para que surta efectos en Canada, corresponde a **DON ANTONIO-HUGO VICENS ARASANZ** con **D.N.I y N.I.F.** número **46.237.942-F**, por haber sido puesta en mi presencia. Documento que una vez legitimado se incorporará fotocopia a la matriz número 459 según el nº 2 del artículo 207 del Reglamento Notarial.



Asiento nº **119** de la Sección **Segunda** del Libro Indicador.

En **CASTELLBISBAL** a seis de junio de dos mil veintitrés.



HF7306965

11/2022



LEGALIZACIÓN.

Asiento nº.2194/2023 libro registro

DON JOAN CARLES FARRÉS USTRELL, Notario del Ilustre Colegio --  
 Notarial de Cataluña, actuando como Delegado del Decano a estos  
 efectos, legalizo el signo, firma y rúbrica que anteceden del  
 notario de Castellbisbal, DOÑA ALMUDENA ELENA CASTRO-GIRONA -----  
 MARTINEZ, puestos al pie de legitimación de firma de don -----  
 Antonio-Hugo Vicens Arasanz, en documento de declaración, en ----  
 relación a ISOTUBI, S.L., conforme Acta número 459/2023, de 6 de  
 junio de 2023. -----

Barcelona, a nueve de junio de dos mil veintitres.-----




**ISOTUBI, S.L.**  
 POL. IND. COMTE DE SERT,  
 AV. CAN CAMPANYA 15,  
 08755 CASTELLBISBAL (BARCELONA)  
 SPAIN



05-May-23

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**SCOPE OF CRN REGISTRATION**

Product Description	Design Code	Material Specification	Product Item Number	Process Connection Size	MAWP at 100°F	MAWP at 356°F	MDMT	Report Number
Stainless Steel Press System Fittings	ASME B31.3, ASME B31.1, ASME B31.9 (Note 3)	Stainless steel in accordance with EN10217-7 TC1 meeting the requirements of ASTM A312-TP316/316L, Stainless steel ASTM A351-CF8M, Stainless steel ASTM A182-F316	See Note 6	1/2"	300 psig at 100°F	300 psig at 356°F	-31°F	R-1677-2 Rev. 0
				3/4"	215 psig at 100°F	200 psig at 356°F		
				1"	215 psig at 100°F	200 psig at 356°F		
				1-1/4"	215 psig at 100°F	200 psig at 356°F		
				1-1/2"	215 psig at 100°F	200 psig at 356°F		
				2"	161 psig at 100°F	150 psig at 356°F		

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

**Note 2:** For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

**Note 3:** In accordance with Ontario Regulation 220/01 the amendment to CSA B51 - Part 1 Clause 2 does not include ASME B31.9, therefore ASME B31.9 shall not be used as a design code in the Province of Ontario.

**Note 4:** The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP or MAWT may be limited by other considerations such as seal materials. Please consult product literature.

**Note 5:** The MAWP of fittings with multiple process connection sizes (Example: 2" x 2" x 1-1/2" Tee) shall be limited to the minimum pressure rating stated for all the process connection sizes the fitting has.

**Note 6:** The following fitting items numbers are covered under this CRN.

Description	Item Number	Size
Straight Coupling	F011/26GE	1/2
	F013/46GE	3/4
	F0116GE	1
	F0111/46GE	1 1/4
	F0111/26GE	1 1/2
	F0126GE	2

Slip Coupling	F021/26GE F023/46GE F0216GE F0211/46GE F0211/26GE F0226GE	1/2 3/4 1 1 1/4 1 1/2 2
90° Elbow	F031/26GE F033/46GE F0316GE F0311/46GE F0311/26GE F0326GE	1/2 3/4 1 1 1/4 1 1/2 2
M-F 90° Elbow	F041/26GE F043/46GE F0416GE F0411/46GE F0411/26GE F0426GE	1/2 3/4 1 1 1/4 1 1/2 2
45° Elbow	F051/26GE F053/46GE F0516GE F0511/46GE F0511/26GE F0526GE	1/2 3/4 1 1 1/4 1 1/2 2
M-F 45° Elbow	F061/26GE F063/46GE F0616GE F0611/46GE F0611/26GE F0626GE	1/2 3/4 1 1 1/4 1 1/2 2
Equal Tee	F161/26GE F163/46GE F1616GE F1611/46GE F1611/26GE F1626GE	1/2 3/4 1 1 1/4 1 1/2 2
Reducing Tee	F153/41/23/46GE F1511/216GE F1513/416GE F1511/41/211/46GE F1511/43/411/46GE F1511/4111/46GE F1511/21/211/26GE F1511/23/411/26GE	3/4 x 3/4 x 1/2 1 x 1x 1/2 1 x 1x 3/4 1 1/4 x 1 1/4 x 1/2 1 1/4 x 1 1/4 x 3/4 1 1/4 x 1 1/4 x 1 1 1/2 x 1 1/2 x 1/2 1 1/2 x 1 1/2 x 3/4



	F1511/2111/26GE F1511/211/411/26GE F1521/226GE F1523/426GE F152126GE F15211/426GE F15211/226GE	1 1/2 x 1 1/2 x 1 1 1/2 x 1 1/2 x 1 1/4 2 x 2 x 1/2 2 x 2 x 3/4 2 x 2 x 1 2 x 2 x 1 1/4 2 x 2 x 1 1/2
Tee and Reducing Tee Adapters	F121/21/26GE F121/23/46GE F123/41/26GE F123/43/46GE F123/416GE F1211/26GE F1213/46GE F12111/46GE F1211/41/26GE F1211/43/46GE F1211/416GE F1211/411/46GE F1211/21/26GE F1211/23/46GE F1211/216GE F1211/211/26GE F1221/26GE F1223/46GE F12216GE F12226GE	1/2 x 1/2 x 1/2 1/2 x 1/2 x 3/4 3/4 x 3/4 x 1/2 3/4 x 3/4 x 3/4 3/4 x 3/4 x 1 1 x 1 x 1/2 1 x 1 x 3/4 1 x 1 x 1 1/4 1 1/4 x 1 1/4 x 1/2 1 1/4 x 1 1/4 x 3/4 1 1/4 x 1 1/4 x 1 1 1/4 x 1 1/4 x 1 1/4 1 1/2 x 1 1/2 x 1/2 1 1/2 x 1 1/2 x 3/4 1 1/2 x 1 1/2 x 1 1 1/2 x 1 1/2 x 1 1/2 2 x 2 x 1/2 2 x 2 x 3/4 2 x 2 x 1 2 x 2 x 2
Reducer	F143/41/26GE F1411/26GE F1413/46GE F1411/41/26GE F1411/43/46GE F1411/416GE F1411/21/26GE F1411/23/46GE F1411/216GE F1411/211/46GE F1421/26GE F1423/46GE F14216GE F14211/46GE F14211/26GE	3/4 x 1/2 1 x 1/2 1 x 3/4 1 1/4 x 1/2 1 1/4 x 3/4 1 1/4 x 1 1 1/2 x 1/2 1 1/2 x 3/4 1 1/2 x 1 1 1/2 x 1 1/4 2 x 1/2 2 x 3/4 2 x 1 2 x 1 1/4 2 x 1 1/2
Flange Adapter CL150	F191/26GE F193/46GE	1/2 3/4



	F1916GE	1
	F1911/46GE	1 1/4
	F1911/26GE	1 1/2
	F1926GE	2
End Cap	F211/26GE	1/2
	F213/46GE	3/4
	F2116GE	1
	F2111/46GE	1 1/4
	F2111/26GE	1 1/2
	F2126GE	2
Three Piece Union	F241/26GE	1/2
	F243/46GE	3/4
	F2416GE	1
	F2411/46GE	1 1/4
	F2411/26GE	1 1/2
	F2426GE	2
Weld Adapter	F551/26GE	1/2
	F553/46GE	3/4
	F5516GE	1
	F5511/46GE	1 1/4
	F5511/26GE	1 1/2
	F5526GE	2
Van Stone Flange Adapter CL150	F441/26GE	1/2
	F443/46GE	3/4
	F4416GE	1
	F4411/46GE	1 1/4
	F4411/26GE	1 1/2
	F4426GE	2
Female Adapter	F171/21/26GE	1/2 x 1/2
	F171/23/46GE	1/2 x 3/4
	F171/216GE	1/2 x 1
	F173/41/26GE	3/4 x 1/2
	F173/43/46GE	3/4 x 3/4
	F173/416GE	3/4 x 1
	F173/411/46GE	3/4 x 1-1/4
	F1711/26GE	1 x 1/2
	F1713/46GE	1 x 3/4
	F17116GE	1 x 1
	F17111/46GE	1 x 1 1/4
	F17111/26GE	1 x 1-1/2
	F1711/41/26GE	1 1/4 x 1/2
	F1711/416GE	1 1/4 x 1
	F1711/411/46GE	1 1/4 x 1 1/4
	F1711/411/26GE	1 1/4 x 1 1/2





	F1711/216GE	1 1/2 x 1
	F1711/211/46GE	1 1/2 x 1 1/4
	F1711/211/26GE	1 1/2 x 1 1/2
	F1711/226GE	1 1/2 x 2
	F17211/46GE	2 x 1 1/4
	F17211/26GE	2 x 1 1/2
	F17226GE	2 x 2
Male Adapter	F181/21/26GE	1/2 x 1/2
	F181/23/46GE	1/2 x 3/4
	F181/216GE	1/2 x 1
	F183/41/26GE	3/4 x 1/2
	F183/43/46GE	3/4 x 3/4
	F183/416GE	3/4 x 1
	F183/411/46GE	3/4 x 1-1/4
	F1813/46GE	1 x 3/4
	F18116GE	1 x 1
	F18111/46GE 1	1 x 1 1/4
	F18111/26GE	1 x 1-1/2
	F1811/416GE	1 1/4 x 1
	F1811/411/46GE	1 1/4 x 1 1/4
	F1811/411/26GE	1 1/4 x 1 1/2
	F1811/23/46GE	1 1/2 x 3/4
	F1811/216GE	1 1/2 x 1
	F1811/211/46GE	1 1/2 x 1 1/4
	F1811/211/26GE	1 1/2 x 1 1/2
	F18211/26GE	2 x 1 1/2
	F18226GE	2 x 2



*Note: Fittings supplied with HNBR seals have identical part numbers except that the letter "H" is added to the end of the part number.*

**Note 7:** See attached list of ISOTUBI, SL manufacturing locations applicable to this CRN.

**WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1**

**LOCATIONS & CERTIFYING AUTHORITIES**

**(rev. January 19, 2023)**

**ISOTUBI, SL** Pol. Ind. Comte de Sert, Av.  
Can Companyà 15  
08755 Castellbisbal (Barcelona)  
Spain  
**ISO 9001:2015 Certified by TUV**

**ISOTUBI, SL** Comunicació, 7  
Pol.Ind. Agripina  
08755 Castellbisbal (Barcelona)  
Spain  
**ISO 9001:2015 Certified by TUV**

**ISOTUBI, SL** Costa i Deu 87  
08205 Sabadell  
Spain  
**ISO 9001:2015 Certified by TUV**

	<b>Technical Safety Authority of Saskatchewan</b>
Registration No.	0A24894.53
File No.	100172
	<input type="button" value="Registered"/>
Date:	February 16, 2024
Expiry Date:	November 8, 2033
Codes & Standards Compliance Office	