Technical Safety Authority of Saskatchewan

2202 2nd Avenue
Regina, SK S4R 1K3 Canada
1 (866) 530-8599
info@tsask.ca
www.tsask.ca

REGISTRATION OF A PRESSURE FITTING DESIGN

12-Jan-24

Round Engineering Inc.
10 Segwun Rd.
Waterdown, Ontario
L8B 0K6

Attention: Scott Islip

File Number: 13927 [0 F]

Re: Manufacturer: **AIGNEP S.P.A.**
Item: **Pipe Connectors**
Catalog or Drawing: **Scope of Registration 10562s-1 R0**

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:

0A19741.53 **Expiry Date: October 18, 2027**

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,

Liting (Frank) Huang, 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.

Technical Safety Authority of Saskatchewan

2202 2nd Ave.
Regina, SK S4R 1K3
PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Bugatti Graziano ,

General 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: AIGNEP S.P.A.
(name of manufacturer)

located at: Via Don Bazzoli, 34 25070 Bione (Brescia), Italy
(Plant Address – Apt/Street) (City,Prov) (Postal Code)

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

AIGNEP INFINITY

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 _____ 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 ASME B31.3 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, IQNET and CISQ 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 - QUICK PIPE CONNECTORS - 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 _____

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

Technical Safety Authority of Saskatchewan
Registration No. 0A19741.53
File No. 13927
Registered
Date: January 12, 2024
Expiry Date: October 18, 2027
Codes & Standards Compliance Office

TRUE SIGNATURE

I undersigned Dr. CHIARA MISTRETTA, Public Notary in Brescia, registered in Brescia Board of Notaries, certify that Mr.
BUGATTI GRAZIANO, born in Brescia (BS) on the 14th of April 1971, resident at Lumezzane (BS), Via Industriale, n. 65 B,
acting in his quality of Chairman of the Board of Directors,
"**AIGNEP S.P.A.**" with domicile at Bione - Italy, Via Don G. Bazzoli n 34, and registered in Brescia, Tax Code: 00579210980, Fiscal Code 00808880175, REA BS-210976;
authorized to sign the present document
whose personal identity I am certain of, has signed in my presence below the deed ahead written.

Sabbio Chiese, Via Caduti n. 1. thirteenth December 2023 (13/12/2023)

PROCURA DELLA REPUBBLICA
pr. IL TRIBUNALE DI BRESCIA

Visto, per delega del Ministro di Grazia e Giustizia n°650/2023
Legalizza la firma del Sig. CHIARA MISTRETTA
NOTAIO
Ufficiale dello Stato Civile del Comune di //
Notaio del Comune di BRESCIA
Brescia, 21 DIC. 2023

IL SOSTITUTO PROCURATORE DELLA REPUBBLICA
Dott. Alessio Bernardi

Design Data

Design Code: *ASME B31.3 2016 Edition*
Corrosion Allowance: *0 inches*
MDMT: *-20°F*
Impact Testing: *Exempt per table 323.2.2*
Design Temperature: *176°F*
Design Pressure: *Varies - See Below*
Hydrotest Pressure: *Varies - See Below*

Proof Test Reports

10-003-C0073 Prepared By Exova - April 15, 2010
16010387 Prepared By Infinity Test Solutions - December 6, 2016
17010186B Prepared By Infinity Test Solutions - August 10, 2017

Notes

1) MAWP of intermediate sizes are linearly interpolated

Series 90010 Straight Male Adaptor

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9001000001	20	1/2		Covered by 90040-20 Test	181	272
9001000009	20	3/4		Covered by 90040-20 Test	181	272
9001000002	25	3/4		Interpolated Pressure	181	272
9001000010	25	1		Interpolated Pressure	181	272
9001000003	32	1		Interpolated Pressure	181	272
9001000004	40	1 1/4		Covered by 90040-40 Test	181	272
9001000007	40	1 1/2		Covered by 90040-40 Test	181	272
9001000005	50	1 1/2		Covered by 90040-50 Test	181	272
9001000006A	63	2		Covered by 90040-63 Test	181	272
9001000008A	63	2 1/2		Covered by 90040-63 Test	181	272

Series 90011 Straight Male Adaptor

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9001100002	25	3/4		Covered by 90040-25 Test	181	272
9001100003	32	1		Covered by 90040-32 Test	181	272
9001100004	40	1 1/2		Covered by 90040-40 Test	181	272
9001100005	50	1 1/2		Covered by 90040-50 Test	181	272
9001100006	63	2		Covered by 90040-63 Test	181	272

Series 90040	Straight Coupling					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9004000001	20		10-03-C0073	Tested	181	272
9004000002	25			Interpolated Pressure	181	272
9004000003	32			Interpolated Pressure	181	272
9004000004	40		10-03-C0073	Tested	181	272
9004000005	50		17010186B	Tested	181	272
9004000006	63		10-03-C0073	Tested	181	272

Series 90040	Straight Coupling					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9004000008	110		10-03-C0073	Tested	83	125

Series 90011	Straight Male Adaptor					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9001100001	20	1/2		Covered by 90040-20 Test	181	272
9001100002	20	3/4		Covered by 90040-20 Test	181	272
9001100003	32	1		Interpolated Pressure	181	272
9001100004	40	1 1/2		Covered by 90040-40 Test	181	272
9001100005	50	1 1/2		Covered by 90040-50 Test	181	272
9001100006A	63	2		Covered by 90040-63 Test	181	272

Series 90130	Elbow					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9013000001	20		10-03-C0073	Tested	181	272
9013000002	25			Interpolated Pressure	181	272
9013000003	32			Interpolated Pressure	181	272
9013000004	40		10-03-C0073	Tested	181	272
9013000005	50			Interpolated Pressure	181	272
9013000006	63		10-03-C0073	Tested	181	272

Series 90130	Elbow					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9013000008	110		10-03-C0073	Tested	80	120

Series 90140	135° Connector					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9014000001	20			Covered by 90130-20 Test	181	272
9014000002	25			Interpolated Pressure	181	272
9014000003	32			Interpolated Pressure	181	272
9014000004	40			Covered by 90130-40 Test	181	272
9014000005	50			Covered by 90130-50 Test	181	272
9014000006	63			Covered by 90130-63 Test	181	272

Series 90150	Elbow Connector with Male Thread					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9015000001	20	1/2		Covered by 90130-20 Test	181	272
9015000002	25	3/4		Interpolated Pressure	181	272
9015000003	32	1		Interpolated Pressure	181	272
9015000004	40	1 1/4		Covered by 90130-40 Test	181	272
9015000005	50	1 1/2		Covered by 90130-50 Test	181	272

Series 90160	Elbow Connector with Female Thread					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9016000001	20	1/2		Covered by 90130-20 Test	181	272
9016000002	25	3/4		Interpolated Pressure	181	272
9016000003	32	1		Interpolated Pressure	181	272
9016000004	40	1 1/4		Covered by 90130-40 Test	181	272
9016000005	50	1 1/2		Covered by 90130-50 Test	181	272

Series 90230	Tee					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9023000001	20		10-03-C0073	Tested	181	272
9023000002	25			Interpolated Pressure	181	272
9023000003	32			Interpolated Pressure	181	272
9023000004	40		10-03-C0073	Tested	181	272
9023000005	50			Interpolated Pressure	181	272
9023000006	63			Covered by 90130-63 Test	181	272

Series 90230	Tee					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9023000008	110		10-03-C0073	Tested	84	125

Series 90235	Reducing Tee					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9023500013	20	20		Covered by 90230-20 Test	181	272
9023500001	25	20		Interpolated Pressure	181	272
9023500002	32	20		Interpolated Pressure	181	272
9023500003	32	25		Interpolated Pressure	181	272
9023500004	40	20		Covered by 90230-40 Test	181	272
9023500005	40	25		Covered by 90230-40 Test	181	272
9023500007	50	20		Covered by 90230-50 Test	181	272
9023500008	50	25		Covered by 90230-50 Test	181	272
9023500009	50	32		Covered by 90230-50 Test	181	272
9023500010	63	20		Covered by 90230-63 Test	181	272
9023500011	63	25		Covered by 90230-63 Test	181	272
9023500012	63	32		Covered by 90230-63 Test	181	272

Series 90236 Tee with Female Thread

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9023600006	20	3/8		Covered by 90230-20 Test	181	272
9023600007	20	1/2		Covered by 90230-20 Test	181	272
9023600001	25	3/8		Interpolated Pressure	181	272
9023600008	25	1/2		Interpolated Pressure	181	272
9023600002	32	1/2		Interpolated Pressure	181	272
9023600003	40	1/2		Covered by 90230-40 Test	181	272
9023600004	50	3/4		Covered by 90230-50 Test	181	272

Series 90240 Saddle Clamp

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9024000003	32	20		Interpolated Pressure	181	272
9024000004	32	25	16010387	Tested	181	272
9024000005	40	20		Interpolated Pressure	181	272
9024000006	40	25		Interpolated Pressure	181	272
9024000007	50	20		Interpolated Pressure	172	259
9024000008	50	25	16010387	Tested	172	259
9024000010	63	20		Interpolated Pressure	181	272
9024000011	63	25	17010186B	Tested	181	272

Series 90247 Female Saddle Clamp

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9024700002	25	1/2	16010387	Tested	181	272
9024700003	32	1/2		Interpolated Pressure	181	272
9024700004	40	1/2	16010387	Tested	181	272

Series 90260 Fitting with Condensate Exhaust

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9026000001	20		16010387	Tested	181	272
9026000002	25			Interpolated Pressure	181	272
9026000003	32			Interpolated Pressure	181	272
9026000004	40		16010387	Tested	181	272
9026000005	50			Interpolated Pressure	181	272
9026000006	63			Covered by 90040-63 Test	181	272

Series 90600 Bracket Fitting

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9060000001	20	1/2	16010387	Tested	181	272
9060000002	25	3/4	16010387	Tested	181	272
9060000003	32	1	16010387	Tested	181	272

Series 90602 2 Way Manifold

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9060200001	20	1/2	16010387	Tested	181	272
9060200002	25	1/2	16010387	Tested	181	272

Series 90610 Plug

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9061000001	20			Covered by 90040-20 Test	181	272
9061000002	25			Interpolated Pressure	181	272
9061000003	32			Interpolated Pressure	181	272
9061000004	40			Covered by 90040-40 Test	181	272
9061000005	50			Covered by 90040-50 Test	181	272
9061000006	63			Covered by 90040-63 Test	181	272

Series 90620 Reducer

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9062000001	25	20	16010387	Tested	181	272
9062000002	32	20		Interpolated Pressure	181	272
9062000003	32	25		Interpolated Pressure	181	272
9062000004	40	20		Interpolated Pressure	181	272
9062000005	40	25		Interpolated Pressure	181	272
9062000006	40	32	16010387	Tested	181	272
9062000011	50	25		Interpolated Pressure	178	266
9062000007	50	32		Interpolated Pressure	178	266
9062000008	50	40		Interpolated Pressure	178	266
9062000009	63	40		Interpolated Pressure	156	235
9062000010	63	50	16010387	Tested	156	235

Series 90626 Stem Adaptor

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
90626-25-08M	25	1/2		Interpolated Pressure	181	272
90626-25-12M	25	3/4		Interpolated Pressure	181	272
90626-25-16M	25	1		Interpolated Pressure	181	272
90626-32-16M	32	1		Interpolated Pressure	181	272
90626-32-24M	32	1 1/2		Interpolated Pressure	181	272
90626-40-24M	40	1 1/2		Covered by 90040-40 Test	181	272
90626-50-24M	50	1 1/2		Covered by 90040-50 Test	181	272
90626-50-32M	50	2		Covered by 90040-50 Test	181	272
90626-63-32M	63	2		Covered by 90040-63 Test	181	272

Series 90628 Stem Adaptor

Assembly Drawing	Size	Size	Test Report	Verification Method	MAWP [psi]	Hydrotest [psi]
9062800015800	63	2 1/2	10-03-C0073	Covered by 90040-63 Test	181	272

Series 90642	2 Way Manifold					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9064200001	1/2	1/2	16010387	Tested	181	272
9064200002	3/4	1/2	16010387	Tested	181	272

Series 90644	4 Way Manifold					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9064400001	1/2	1/2	16010387	Tested	181	272
9064400002	3/4	1/2	16010387	Tested	181	272

Series 90700	Ball Valve					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9070000001	20		16010387	Tested	181	272
9070000002	25			Interpolated Pressure	181	272
9070000003	32			Interpolated Pressure	181	272
9070000004	40		16010387	Tested	181	272
9070000005	50			Interpolated Pressure	181	272
9070000006	63		1701011868	Tested	176	264

Series 90720	Ball Valve with Male Thread					
Assembly Drawing	**Size**	**Size**	**Test Report**	**Verification Method**	**MAWP [psi]**	**Hydrotest [psi]**
9072000001	20		16010387	Tested	181	272
9072000002	25		16010387	Tested	181	272