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

23-Feb-18

Pressure Vessel Engineering
120 Randall Drive, Suite B
Waterloo, Ontario
N2V 1C6

Attention: Catherine Diplock

File Number: 10699 [0 F]

Re: Manufacturer: **AIGNEP**
Item: **Ball Valves**
Catalog or Drawing: **10562s-1 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:

0C19741.53 **Expiry Date: Oct. 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,

Williams Uju, P.Eng.
Codes and Standards Compliance

Remarks:

CRN registered under reciprocal agreement.

Technical Safety Authority of Saskatchewan

Boiler & Pressure Vessel Safety
330 - 1855 Victoria Avenue
REGINA, SK S4P 3T2
Ph: 306-787-1443 Fax: 306-787-9273

CDN OC19741.53
File 10699
RECEIVED
Date Feb. 23, 2018
Boiler & Pressure Vessel Safety Unit

LIB-1008

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

INFINITY

Statutory Declaration
Registration of Fittings

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 I-25070 Bione (BS) Italy
(plant address)

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,
(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 B31.3-2016 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/ICIM 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 Pneumatic Fittings

In support of this application, the following information, calculations and / or test data are attached:

Refer to scope document: 10562s-1

DECLARED before me at _____ in the _____ of _____
this _____ day of _____, _____
(print) _____ _____
(sign) _____ (Signature of Applicant)
(A Commissioner of Oaths) - 9 OTT. 2017

For 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: _____
(For the Administrator / Chief Inspector)
Expiry Date: _____

COMUNE DI BIONE Provincia di Brescia
Ai sensi dell'art. 21 del D.P.R. 445/2000 si dichiara
autentica la firma di BUGATTI GRAZIANO
nato a BRESCIA il 14/04/1971
apposta in mia presenza, la cui identità è stata da me
accertata mediante conoscenza diretta
L'UFFICIALE DELEGATO DELL'ATTO CIVILE
IL FUNZIONARIO INCARICATO
Rizzi Lorena
- 9 OTT. 2017

Ministero dell'Economia e delle Finanze
MARCA DA BOLLO
€16,00
SEDICI/00
Agenzia Entrate
00034676 00057E3 W12PZ001
00004281 09/10/2017 09:20:40
4578-00088 0D7FC4A946896F64
IDENTIFICATIVO : 01130014030062
0 1 13 001403 006 2

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		170101186B	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