



Inspection and Technical Services Manitoba
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www.firecomm.gov.mb.ca/codes_steam_pressure.html

February 7, 2018

Pressure Vessel Engineering
120 Randall Dr. Suite B
Waterloo, ON
N2V 1C6

Attn: Catherine Diplock

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: AIGNEP

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
Pipe Connectors (see scope of registration 10562s-1 Rev. 0)	0A19741.54	38509
Ball Valves (see scope of registration 10562s-1 Rev. 0)	0C19741.54	38509

An invoice covering survey and registration fees is enclosed.

NOTE:

- CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: **TSSA**
- See attached stamped "this is part of CRN" for scope of registration.
- This registration expires **October 18, 2027**.

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly,

Rabie Harb, E.I.T.

Design Surveyor

Office of the Fire Commissioner
Inspection and Technical Services Manitoba
508 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8
Phone: 204-945-3373
Email: rabie.harb@gov.mb.ca

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MANITOBA

DEPARTMENT OF LABOUR
AND IMMIGRATION
500 - 401 York Avenue
Winnipeg, Manitoba R3C 0P8



STATUTORY DECLARATION REGISTRATION OF FITTINGS

(a) Design Qualification

I. Bugatti Graziano
(See Note 2)

General Manager (Position e.g.: president, plant manager, chief eng.)

of AIGNEP S.p.A (Name of company)

located at Via Don Bazzoli, 34 I-25070 Bione (BS) Italy (Plant Address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act,

comply with all the requirements of the ANSI/ASME codes as to their dimensions.

or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with ASME B31.3-2016 code or standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality Control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001, and has been verified by the following authority or authorized agency IQNet and CISQ/ICIM.

The fittings covered by this declaration, for which I seek registration, are Pneumatic Fittings

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

Refer to scope document: 10562s-1

Declared before me at _____ in the province/state of _____ the _____

day of _____ AD _____

A (commissioner for oaths)

- 9 OTT. 2017 
Signature of Declarer

(For Official Use Only)

The application is accepted for registration in Category "A" in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Oct 18, 2027

Registered Number CRN QA19741.54 For the Chief Inspector

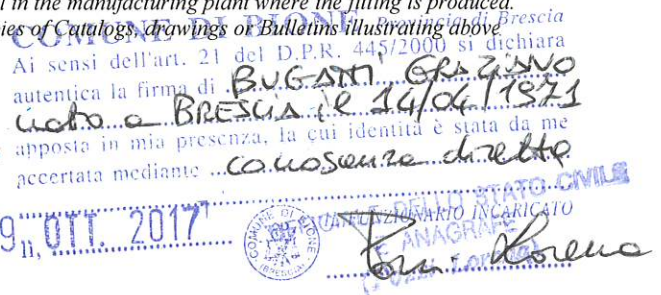
Robie York Date: 2018/02/07

Notes:

(1) This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.

(2) This form together with two copies of Catalogs, drawings or Bulletins illustrating above

(3) All fitting. name of the Manufacturer.



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MANITOBA

DEPARTMENT OF LABOUR
AND IMMIGRATION
500 - 401 York Avenue
Winnipeg, Manitoba R3C 0P8



STATUTORY DECLARATION REGISTRATION OF FITTINGS

(a) Design Qualification

I. Bugatti Graziano
(See Note 2)

General Manager _____
(Position e.g.: president, plant manager, chief eng.)

of AIGNEP S.p.A _____
(Name of company)

located at Via Don Bazzoli, 34 I-25070 Bione (BS) Italy _____
(Plant Address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act,

comply with all the requirements of the ANSI/ASME codes as to their dimensions.
or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with
ASME B31.3-2016 code or standard, and are designed to the best current
engineering practice, as shown by the supporting test data.

(b) Quality Control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of
ISO 9001, and has been verified by the following authority or authorized agency IQNet and CISQ/ICIM.

The fittings covered by this declaration, for which I seek registration, are Pneumatic Fittings

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

Refer to scope document: 10562s-1

Declared before me at _____ in the province/state of _____ the
day of _____ AD _____

A (commissioner for oaths)

- 9 OTT. 2017 [Signature]
Signature of Declarer

(For Official Use Only)

The application is accepted for registration in Category "C" in accordance with the Boilers and Pressure Vessels Act
and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Registered Number CRN 0C19741.54 For the Chief Inspector
[Signature] Date: 2017/02/07

Notes:

(1) This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.
(2) This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced. Declaration form together with two copies of Catalogs, drawings or Bulletins illustrating above fittings shall be submitted to the Registrar in the name of the Manufacturer.



COPIE IN BIANCO
Ai sensi dell'art. 21 del D.P.R. 445/2000, si dichiara
autentica la firma di Bugatti Graziano
Luigi e BRESNA e 14/04/1971
apposta in mia presenza, la cui identità è stata da me
accertata mediante Cons. Scenere
d. retto
UFFICIALE DELLO STATO CIVILE
[Signature]
(Pozza Lorena)
- 9 OTT. 2017

Handwritten notes in the top right corner, including a small diagram of a square with a diagonal line and some illegible text.

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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					MAWP [psi]	Hydrotest [psi]
Assembly Drawing	Size	Size	Test Report	Verification Method				
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					MAWP [psi]	Hydrotest [psi]
Assembly Drawing	Size	Size	Test Report	Verification Method				
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	