

December 15, 2017

Attention: Catherine Diplock
PRESSURE VESSEL ENGINEERING INC
120 RANDALL DRIVE SUITE B
WATERLOO, ON N2V 1C6

Email:cmd@pveng.com

The design submission, tracking number 2017-07404, originally received on November 24, 2017 was surveyed and accepted for registration as follows:

CRN : 0A19741.52

Accepted on: December 15, 2017

Reg Type: NEW DESIGN

Expiry Date: October 18, 2027

Drawing No. : SCOPE DOCUMENT 10562S-1 Rev 0

Fitting type: PIPE CONNECTORS

Design registered in the name of : AIGNEP SPA

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

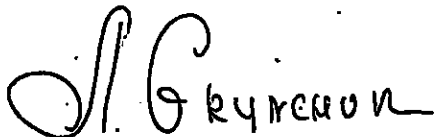
This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.

Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

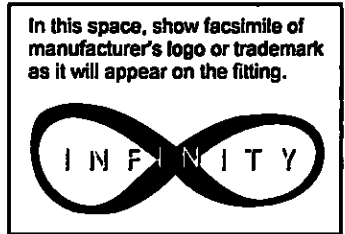
Enclosed are stamped prints for your reference.

Sincerely,



GRYNCHUK, MILLA, P. Eng.
DOP Cert. No. D00005217

**STATUTORY DECLARATION
Registration of Fittings**



I, Bugatti Graziano, General Manager
(name of applicant) (position title) (must be in a position of authority)
of AIGNEP S.p.A
(name of manufacturer)
located at Via Don Bazzoli, 34 I-25070 Blone (BS) Italy
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes 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 (title of code of construction or other applicable document) 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 manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, IQNet and CISQ/CIM as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Pneumatic Fittings
(brief description of 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 _____
(city) (province or state)

this _____ day of _____
(Month) (Year)

(print) _____
(a Commissioner of Oaths or Notary Public)

(sign) _____ - 9 OTT. 2017 _____
(a Commissioner of Oaths or Notary Public) (signature of applicant)

For ABSA Office Use Only:

NOTES:

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

Registration Number: 0A19741.52

DEC 15 2017

Signature of the Administrator/SCO: _____
Expiry Date: 2017 Oct 18

ai sensi dell'art. 21 del D.P.R. 445/2000
autentica la firma di BUGATTI GRAZIANO
nato a BRESCIA il 24/04/1971
apposa in mia presenza, la cui identità è stata da me accertata mediante CONOSCENZA
direttore DELLO STATO CIVILE
IL FE... ANAGRAFICO
- 9 OTT. 2017 _____

Ministero dell'Economia e delle Finanze
MARCA DA BOLLO
€16,00
SEDICI/60
00034675 000057E3 U12P2001
00004282 09/10/2017 09:20:44
4578-00088 ECD0A5943E1A570F4
IDENTIFICATIVO 01130014030051
U 1 13 001403 005 1

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