

PRESSURE VESSEL ENGINEERING  
120 RANDALL DRIVE  
WATERLOO ON N2V 1C6

**Date:** December 21, 2017  
**Account #:** 45363  
**Journal #:** 69594

**Attn:** CATHERINE DIPLOCK

**Re: Application for Design Registration**

The design, as detailed in your, PVE-10562, for a Fitting is accepted for registration as follows:

**Registered To:** AIGNEP S.P.A.

**CRN:** 0A19741.51, 0C19741.51

**Drawing #:** Scope of Registration 10562S-1

**Drawing Revision:** 0

**Conditions Of Registration:**

Registration of AIGNEP Quick Pipe Connector and Ball Valves as per scope of registration.

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

**Reviewer's Notes:**

0A19741.51 (for pipe connectors), 0C19741.51 (for ball valves).

As required by CSA B51 4.2.1, this registration expires on October 18, 2027. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

KURTIS MCLELLAND  
(778) 396-2077  
Kurtis.McLelland@technicalsaftybc.ca  
Design Administration

**cc:**



**AIGNEP Infinity Series**  
Scope of Registration



**Design Data**

Design Code: ASME B31.3 2016 Edition  
Corrosion Allowance: 0 inches  
MDMT: 20°F  
Impact Testing: Exempt per Table 1  
Design Temperature: 175°F  
Design Pressure: Varies - See applicable Regulatory Declaration Form for CR Number  
Hydrotest Pressure: Varies - See Below



THIS IS PART OF  
CRN 0A19741.5 FOR PIPE  
CONNECTIONS  
10/18/17

**Proof Test Reports**

10-003-C0074 Prepared By Exova - April 15, 2010  
16010387 Prepared By Infinity Test Solutions - December 6, 2016  
170101868 Prepared By Infinity Test Solutions - August 10, 2017

**Notes**

1) MAWP of intermediate sizes are linearly interpolated

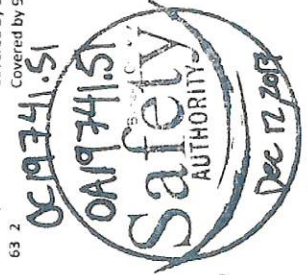
THIS IS PART OF  
CRN 0A19741.5 FOR  
BOILERS & PRESSURE VESSELS  
VALUES  
10/18/17

**Series 90010 Straight Male Adaptor**

Assembly Drawing	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	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



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Technical Safety Authority

Series 90040 Straight Coupling			MAWP (psi)	Hydrotest (psi)
Assembly Drawing	Size	Test Report		
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	170101868 Tested	181	272
9004000006	63	10-03-C0073 Tested	181	272

Series 90040 Straight Coupling			MAWP (psi)	Hydrotest (psi)
Assembly Drawing	Size	Test Report		
9004000008	110	10-03-C0073 Tested	83	125

Series 90011 Straight Male Adaptor			MAWP (psi)	Hydrotest (psi)
Assembly Drawing	Size	Test Report		
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			MAWP (psi)	Hydrotest (psi)
Assembly Drawing	Size	Test Report		
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			MAWP (psi)	Hydrotest (psi)
Assembly Drawing	Size	Test Report		
9013000008	110	10-03-C0073 Tested	80	120

Series 90140 135° Connector			MAWP (psi)	Hydrotest (psi)
Assembly Drawing	Size	Test Report		
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



**AIGNEP Infinity Series**  
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**Series 90150 Elbow Connector with Male Thread**

Assembly Drawing	Size	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
9015000001	20 1/2	Covered by 90130-20 Test	Interpolated Pressure	181	272
9015000002	25 3/4	Interpolated Pressure	Interpolated Pressure	181	272
9015000003	32 1	Covered by 90130-40 Test	Interpolated Pressure	181	272
9015000004	40 1 1/4	Covered by 90130-50 Test	Interpolated Pressure	181	272
9015000005	50 1 1/2	Covered by 90130-50 Test	Interpolated Pressure	181	272

**Series 90160 Elbow Connector with Female Thread**

Assembly Drawing	Size	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
9016000001	20 1/2	Covered by 90130-20 Test	Interpolated Pressure	181	272
9016000002	25 3/4	Interpolated Pressure	Interpolated Pressure	181	272
9016000003	32 1	Covered by 90130-40 Test	Interpolated Pressure	181	272
9016000004	40 1 1/4	Covered by 90130-50 Test	Interpolated Pressure	181	272
9016000005	50 1 1/2	Covered by 90130-50 Test	Interpolated Pressure	181	272

**Series 90230 Tee**

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

**Series 90230 Tee**

Assembly Drawing	Size	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
9023000008	110	10-03-C0073 Tested	Interpolated Pressure	84	125

**Series 90235 Reducing Tee**

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

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**AIGNEP Infinity Series**  
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**AIGNEP**

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**Series 90236 Tee with Female Thread**

Assembly Drawing	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	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
9024000003	32	20	Interpolated Pressure	181	272
9024000004	32	25	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	Tested	172	259
9024000010	63	20	Interpolated Pressure	181	272
9024000011	63	25	Tested	181	272

**Series 90247 Female Saddle Clamp**

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

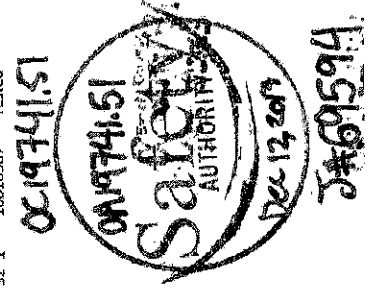
**Series 90260 Fitting with Condensate Exhaust**

Assembly Drawing	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	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
9060000001	20	16010387	Tested	181	272
9060000002	25	3/4	Tested	181	272
9060000003	32	1	Tested	181	272

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Series	Assembly Drawing	Size	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
Series 90602	9060200001	20	1/2 16010387	Tested	181	272
	9060200002	25	1/2 16010387	Tested	181	272

Series	Assembly Drawing	Size	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
Series 90610	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	Assembly Drawing	Size	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)	
Series 90620	9062000001	25	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	Assembly Drawing	Size	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
Series 90626	90626 25-08M	25	1/2	Interpolated Pressure	181	272
	90626-25-12M	25	3/4	Interpolated Pressure	181	272
	90626-75-16M	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	Assembly Drawing	Size	Test Report	Verification Method	MAWP (psi)	Hydrotest (psi)
Series 90628	9062800015800	63	2 1/2 10-03-C0073	Covered by 90040-63 Test	181	272





**AIGNEP Infinity Series**  
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THIS IS PART OF  
 0A19741.51  
 Technical Standards Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

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

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

THIS IS PART OF  
 CRN 0C19741.51

Series 90700	Ball Valve		Verification Method	MAWP (psi)	Hydrotest (psi)
Assembly Drawing	Size	Test Report	Tested	181	272
9070000001	20	16010387	Tested	181	272
9070000002	25	16010387	Interpolated Pressure	181	272
9070000003	32	16010387	Interpolated Pressure	181	272
9070000004	40	16010387	Tested	181	272
9070000005	50	16010387	Interpolated Pressure	181	272
9070000006	63	1701011868	Tested	175	264

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



1860

1861

1862

1863