

345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel: 416.734 3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

October 18, 2017

CATHERINE DIPLOCK
PRESSURE VESSEL ENGINEERING LTD.
120 RANDALL DR SUITE B
WATERLOO ON N2V 1C6
CA

Service Request Type: BPV-Fitting Registration

Service Request No.: 2162394, 2175676

Your Reference No.: PVE-10562 Registered to: AIGNEP S.P.A.

Dear CATHERINE DIPLOCK,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.:

0A19741.5 (For pipe connectors)

CRN No.:

0C19741.5 (For ball valves)

Main Design No.:

AIGNEP QUICK PIPE CONNECTOR and BALL VALVES
- SEE SCOPE OF REGISTRATION DOCUMENT 10562S-1 REV 0 (6PGS)

Expiry Date: 18-Oct-2027

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Ruiming You, P.Eng. Mechanical Engineer, BPV

Tel.: 416-734-3428 Fax: 416-231-6183 Email: ryou@tssa.org





Technical Standards and Safety 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org



le of manufacturer's logo or trademark, as it will pear on the fitting, in the space below

∞ INFINITY

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STATUTORY DECLARATION

Registration of F	Tittings
I, Bugatti Graziano General Manager	
(Name and Position, e.g. President, Plant Manag	ger, Chief Engineer)
of AIGNEP S.p.A	
(Name of Manufacturer)	
Located at Via Don Bazzoli, 34 I-25070 Bione (BS) Italy (Plant Address)	(T. L. L. M.)
	(Telephone No.) (Fax No.)
do solemnly declare that the fittings listed hereunder, which are subject and Pressure Vessels Regulation, comply with all of the requirements	t to the Technical Standards and Safety Act , Boilers of
(Title of recognized North American Sta	ndard)
which specifies the dimensions, materials of construction, pressure/temperatu-	re ratings, identification marking the fittings and service;
or are not covered by the provisions of a recognized North American st	andard and are therefore manufactured to comply with
ASME B31.3-2016 as supported by the attached data pressure/temperature ratings and the basis for such ratings, the marking	which identifies the dimensions, material of construction
I further declare that the manufacture of these fittings is controlled by a quality s	ystem meeting the requirements of
ISO 9001 which has been verified by the following authority, IQNet and Cl The items covered by this declaration, for which I seek registration, are category A	SQ/ICIM .
this application, the following information and/or test data are attached as follows:	type littings. In support of
Refer to scope document: 10562s-1	
(drawings, calculations, test reports,	etc.)
Declared before me at in the	of
Alexander and a second a second and a second a second and	
the day of	
Commissioner for Oaths:	
(Printed name)	11. 11.0
(0)	I well of
(Signature)	(Signature of Declarer)
FOR OFFICE USE ONL	
To the best of my knowledge and belief, the application meets the requirements of t Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, a	he
CSA Standard B51 and is accepted for registration in Category	ind
CRN: 0A 19741.5	CRO 0A 19 741.5
Registered by: RUIMING YOU	Signed 1
Dated: 007, 18, 2017	Date 007,18, 2617
	NE DI BIONE Provincia di Brescia ell'art. 21 del D.P.R. 445/2000 si dichiara
PV 09553 (06/16) autentica la	
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accertata n	mia presenza, la cui lacchia de la color 2 se mediante
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Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org

0 1 13 001403 015 3

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTOR			*							
Registr	ation of Fitting	gs								
I, Bugatti Graziano General Manager										
(Name and Position, e.g. Preside	ent, Plant Manager, Chie	ef Engineer)								
of AIGNEP S.p.A										
(Name of Manufacturer)										
Located at Via Don Bazzoli, 34 I-25070 Bione (BS) Italy		+39 0365 896626	+39 0365 896561							
(Plant Address)		(Telephone No.)	(Fax No.)							
do solemnly declare that the fittings listed hereunder, which are subject to the <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vessels Regulation, comply with all of the requirements of										
(Title of recognized Nor										
which specifies the dimensions, materials of construction, press	ure/temperature ratir	ngs, identification markin	g the fittings and service;							
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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.										
I further declare that the manufacture of these fittings is controlled	hy a quality system	meeting the requireme	ents of							
ISO 9001 which has been verified by the following authority,										
The items covered by this declaration, for which I seek registration, are of										
this application, the following information and/or test data are attached a	s follows:									
Refer to scope document: 10562s-1	ons, test reports, etc.)									
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the day of AD										
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Commissioner for Oaths:										
(Printed name)			. ~							
(Fillieu Halle)	2017/4	Yugald.								
(Signature)	011. 2011	(Signature of D	Peclarer)							
FOR OFFIC	E USE ONLY	Toonsion	Markens							
To the best of my knowledge and belief, the application meets the rec	0.000	Statisterso and Server	April 1 of Male							
Technical Standards and Safety Act, Boilers and Pressure Vessels	Regulation, and	Authority	177							
CSA Standard B51 and is accepted for registration in Category	_C									
CRN: 0C19741.5		DO OCI	19741.5							
Registered by: RUING YOU		TORN, OU								
Dated: 007, 18, 2017		oct.	18/2017							
NOTE: This regis	COMUN	F DI RIONE	Provincia di Brescia							
PV 09553 (06/16) Ministero dell'Economi ARCA DA BGLLD e delle Finanze F16, no	Ai sensi dell'		45/2000 si dichiara							
genzia SENICI/NO	autentica la fi	BEESCIAIL	14104/1871							
00034676 000057F3 W1ZPZD01	apposta in mi	ia presenza, la cui id	entità è stata da me							
4578-00088 ZASCODRESS 2CEFF	accertata med	innie Couoscon	CLO TENTO GIVIL							



Scope of Registration



Design Data

Design Code: ASME B31.3 2016 Edition

Corrosion Allowance: 0 inches

MDMT: -20°F

Impact Testing: Exempt per table

Design Temperature: 176°F

Design Pressure: Varies - See BelowSEE STATUTORY DEC Hydrotest Pressure: Varies - See Below

THIS IS PART OF CRN OAI97

Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

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

THIS IS PART OF

Technical Standards & Safety Authority **Boilers & Pressure Vessels** Safety Program

Straight Male Adaptor **Series 90010**

Series 90010	Straight I	Male Adaptor	· or the	MAWP [psi] H	lydrotest [psi]
Assembly Drawing	Size Size	Test Report	Verification Method	181	272
9001000001		/2	Covered by 90040-20 Test	181	272
		/4	Covered by 90040-20 Test	181	272
9001000009		/4	Interpolated Pressure	181	272
9001000002		7 3	Interpolated Pressure	181	272
9001000010			Interpolated Pressure	181	272
9001000003	1000000 0000 000	1/4	Covered by 90040-40 Test		272
9001000004	100 to 10		Covered by 90040-40 Test	181	272
900100000	7 40 1 1		Covered by 90040-50 Test	181	272
900100000			Covered by 90040-63 Test	181	
9001000006	A 63 2		Covered by 90040-63 Test	181	272
9001000008	A 63 2	1/2	Covered by 300 to 30		

Straight Male Adaptor Series 90011

Series 90011	Straig	ght Ma	ale Adaptor		MAWP [psi]	Hydrotest [psi]
Assembly Drawing	Size	•	163t Hebers	Verification Method Covered by 90040-25 Test	181	272
9001100002	25	3/4		Covered by 90040-32 Test	181	272
9001100003	32	1		Covered by 90040-40 Test	181	272
9001100004	8 70 Y/1980	1 1/2		Covered by 90040-50 Test	181	272
9001100005	5 50	1 1/2		Covered by 90040-63 Test	181	272
900110000	6 63	3 2		Covered by 30040 00 122		

Scope of Registration

THIS IS PART OF CRN 0A19741.5



			CRN OA 197	11 0	DIVICI
Series 90040	Straight	Coupling	Technical Standards & Safe	ty Authority	
Assembly Drawing	Size Size			Name of the state	
900400000	1 20	10-03-C00		MAWP [psi]	Hydrotest [psi]
900400000			and the second section is a second second	181	
900400000			Interpolated Pressure	181	
900400000	4 40	10-03-C007	Interpolated Pressure 5	PART OF 181	
900400000	5 50	17010186B	A THE RESERVE TO SERVE THE PARTY OF THE PART	9741.5 181	272
900400000	63		The second of the second	181	272
Series 90040	Straight C		bollers & Pres	S& Safety Authority 181 Source Vessels Program	272
Assembly Drawing	Size Size	Test Report	11 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1	A PERSONAL PROPERTY OF THE PROPERTY OF	
9004000008	110	10-03-C007		MAWP [psi]	Hydrotest [psi]
	7	10-03-0007	3 Tested	83	125
Series 90011	Straight M				125
Assembly Drawing		lale Adapto			
9001100001		Test Report	Verification Method	MAMD	
9001100001	20 1/2		Covered by 90040-20 Test	101	lydrotest [psi]
9001100002	20 3/4		Covered by 90040-20 Test	181	272
9001100003	32 1		Interpolated Pressure	181	272
	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		, , , , , , , , , , , , , , , , , , , ,	181	272
Access III =		Test Report	V-V		
9013000001		10	Verification Method	MAWP [psi] H	vdrotest [psi]
9013000002	25	20 03-000/3	Tested	181	272
9013000003	32		Interpolated Pressure	181	272
9013000004			Interpolated Pressure	181	272
9013000005	50		Tested	181	272
9013000006		0.03.00073	Interpolated Pressure	181	
	00 10	0-03-C0073	lested	181	272
Series 90130 El	bow			101	272
· ·		oct Donast 1			
001-		202 COOZ2	erification Method	MAWP [psi] Hy	rotest
	10 10	0-03-C0073 T	ested	80	
eries 90140 13	5° Connect	Lanco .		00	120
ssembly Drawing Siz					
0011		st Report V	erification Method	MAWP (noil Hare	
004 405	20	C	overed by 90130-20 Test	MAWP [psi] Hyd 181	
001 1000	25	In	iterpolated Pressure		272
00140000	32	In	terpolated Pressure	181	272
001.10-	40	Co	overed by 90130-40 Test	181	272
004	50	Co	overed by 90130-50 Test	181	272
9014000006	63	Co	overed by 90130-63 Test	181	272
				181	272

Scope of Registration

THIS IS PART OF CRN 04 9-741 5 S Technical Standards & Sefety Authority MAWP [rist] Hydrotest In

[psi] 272 272 272 272 272 272 272 272 272
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AIGNEP Infinity Se	eries				C4 4 101
Scope of Registration			THICIC		AIGN
			11113 15	PART OF	, –
Series 90236	Tee	with Female ⁻	hread OA	19741.3	
Assembly Drawing	Size	Size Test Re	port Verification Methoders & Pre	ds & Safety Authority [psi]	Hydrotest [psi]
9023600006		3/8	Covered by 90230-20 Testety	Program 181	_
9023600007	70.75 E	1/2	Covered by 90230-20 Test	181	-/-
9023600001		3/8	Interpolated Pressure	181	-,-
9023600008		1/2	Interpolated Pressure THIS	IS PART 181	The state of the s
9023600002		1/2	Interpolated Pressure CRN	101	272
9023600003	40	1/2	Covered by 90230-40 Test	0019 44 187	272
9023600004	50	3/4	Covered by 90230-50 Testilers	Standards & Safety Author	ity 272
			Si	∝ Pressure Vesse afety Program	ls 2/2
Series 90240	Saddl	le Clamp	and the state of t	arcty Flogram	200
	Size	Size Test Rep	ort Verification Method	MAMP (mail	Hydrotest [psi]
9024000003	32	20	Interpolated Pressure	181	
9024000004	32	25 1601038			272
9024000005	40	20	Interpolated Pressure	181	272
9024000006	40	25	Interpolated Pressure	181	272
9024000007	50	20	Interpolated Pressure	181	272
9024000008	50	25 1601038	7 Tested	172 172	259
9024000010	63	20	Interpolated Pressure	181	259
9024000011	63	25 1701018	BB Tested	181	272
				101	272
Series 90247	Femal	e Saddle Clar	ηp		
Assembly Drawing	Size S	Size Test Rep	rt Verification Method	MAWD Incil I	Hydrotest [psi]
9024700002	25	1/2 1601038		181	
9024700003	32	1/2	Interpolated Pressure	181	272
9024700004	40	1/2 16010387	Tested	181	272
				101	272
Series 90260	itting	with Conder	sate Exhaust		
Assembly Drawing S	ize S			MAWP [psi] H	ludrotost i ii
9026000001	20	16010387		181	
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
				181	272
	racke	t Fitting			
		ze Test Repo	t Verification Method	MAWP [psi] H	vdrotest (mail
9060000001	20	1/2 16010387	Tested	181	272
9060000002		3/4 16010387	Tested	181	272
9060000003	32 1	16010387	Tested	181	272
				101	212

Scope of Registration

THIS IS PART OF CRN OA 19 741.5

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	2 Way	The second second	Laboratory and the second	M. ifi tion Mothod	Poilo	al Standards & Safety Authority S & PressuMAWP Jesti S Hydrotest	[psi]
Assembly Drawing S			est Report		Done	Safety Program 181	272
9060200001	20	1000	6010387	Tested		181	272
9060200002	25	1/2 1	L6010387	Tested		101	
0.0010	Plug					THIS IS DADT OF	
	Name and Address of the Owner, where		Fact Donort	Verification Method		MAWP Insil Hydrotes	t [psi]
rissering y		Size	Test Report	Covered by 90040-20		CRN 0C1918141.5	272
9061000001	20			Interpolated Pressur		Technical Standards & \$184ty Authority	272
9061000002	25			Interpolated Pressur		Boilers & Pressu181Vessels	272
9061000003	32			Covered by 90040-4		Safety Proggam	272
9061000004	40			Covered by 90040-5		181	272
9061000005	50			Covered by 90040-6		181	272
9061000006	63			Covered by 90040-0	2 1630		
Series 90620	Reduc	cer					-A
	Size	Size	Test Report	Verification Method	d	MAWP [psi] Hydrotes	
9062000001	25	20	16010387	Tested		181	272 272
9062000002	32	20		Interpolated Pressu	re	181	
9062000003		25		Interpolated Pressu	re	181	272
9062000004		20		Interpolated Pressu	re	181	272
9062000005		25		Interpolated Pressu	re	181	272
9062000006		32	16010387	Tested		181	272
9062000011		25		Interpolated Pressu	ire	178	266
9062000007		32		Interpolated Pressu	ire	178	266
9062000007				Interpolated Pressu	ıre	178	266
9062000009				Interpolated Pressu	ıre	156	235
9062000000			16010387	Tested		156	235
- 1 0000	Ctom	ı Adap	ator				
Series 90626		Name and Address		Verification Metho	od .	MAWP [psi] Hydroto	e st [psi]
Assembly Drawing	Size		Test Report	Interpolated Press		181	272
90626-25-08M	25			Interpolated Press		181	27
90626-25-12M	25		·	Interpolated Press		181	27
90626-25-16M		5 1		Interpolated Press		181	27
90626-32-16M		2 1	52			181	27
90626-32-24M		2 1 1/2		Interpolated Press			27
90626-40-24M		1 1/2		Covered by 90040			27
90626-50-24M	50	1 1/2	2	Covered by 90040		101	27

Covered by 90040-50 Test

Covered by 90040-63 Test

Document	#	10562s-1 R	0
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50 2

63 2

Stem Adaptor

Size Size Test Report Verification Method

63 2 1/2 10-03-C0073 Covered by 90040-63 Test

90626-50-32M

90626-63-32M

Series 90628

Assembly Drawing

272

272

181

181

181

MAWP [psi] Hydrotest [psi]

Scope of Registration



Series 90642	2 Wa	у Ма	nifold	TH	IIS IS PART OF	
Assembly Drawing	Size	Size	Test Report	Verification Method		Livelnetari
9064200001	1/2		16010387		6419711	Hydrotest [psi]
9064200002	3/4		16010387	Tested Boile	ical Standards & Salety Authority	-/-
				Total Total	ers & Pressure Vessels	. 272
Series 90644	4 Wa	y Mai	nifold	Lance Control of the	Safety Program	
Assembly Drawing	Size	Size	Test Report	Verification Method	MAM/D (mail	Hydrotest [psi]
9064400001	1/2		16010387	Tested	181	
9064400002	3/4	1/2	16010387	Tested		
					THIS IS PART 08	272
Series 90700	Ball V	'alve			OC197410	5
Assembly Drawing	Size	Size	Test Report	Verification Method	Boilers & Pressure Vessels Safety Program	Hydrotest [psi]
9070000001	20		16010387	Tested	Safety Salve Vessels	nyurotest [psi]
9070000002	25			Interpolated Pressure	Safety Program 181	1
9070000003	32			Interpolated Pressure		-/-
9070000004	40		16010387	Tested		272
9070000005	50			Interpolated Pressure	181	272
9070000006	63		170101186B	Tested	-01	272
			_,0101100B	rested	176	264
Series 90720	Ball Va	alve w	vith Male Th	nread		
Assembly Drawing	Size S	Size	Test Report	Verification Method	MAW/D Incil	Hydrotest [psi]
9072000001	20		16010387	Tested	181	
9072000002	25	:	16010387	Tested	50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 -	272
					181	272