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March 04, 2014

SERGE BOCHNOVICH CLARK COOPER DIV OF MAGNATROL VALVE CORP 941 HAMILTON AVE ROEBLING NJ 08554 US

Service Request Type: BPV-Fitting Registration Service Request No.: 1330548 Your Reference No.: Registered to: CLARK COOPER DIV OF MAGNATROL VALVE CORP

Dear SERGE BOCHNOVICH,

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

CRN No.: 0C16697.5 Main Design No.: SOLENOID VALVES SERIES: EH30, EH40, EH50, EX30, EX40 Expiry Date: 04-Mar-2024

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

Scope: Per 1 sheet of attachment to Statutory Declaration.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, 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,

Kaivan Kia P. Eng., PMP Mechanical Engineer, BPV Tel.: 416-734-3457 Fax: 416-231-6183 Email: <u>kkia@tssa.org</u>

Putting Public Safety First #



TECHNICAL STANDARDS & SAFETY AUTHORITY 14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4



STATUTORY DECLA Registration of Fitti		AN	
I, _Serge Bochnovich, Engineering Manager			
(Name and Position, e.g. President, Plant Manager, C	hief Engineer)		
of Clark-Cooper Division of Magnatrol Valve Corporation			
(Name of Manufacturer)			
Located at 941 Hamilton Avenue, Roebling NJ 08554 (Plant Address)		6-829-7303 (Fax No.)	
do solemnly declare that the fittings listed hereunder, which are subject to the and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3-2002, 2004 Boiler and Pressure Vessel Code Section II and	ne Technical Standards and d VIII Division 1	. ,	
(Title of recognized North American Standard which specifies the dimensions, materials of construction, pressure/temperature ra	•	ings and service;	
or are not covered by the provisions of a recognized North American standa as supported by the attached data while pressure/temperature ratings and the basis for such ratings, the marking of the	ch identifies the dimensions, mat	erial of construction,	
ISO 9001-2008 which has been verified by the following authority, Intertek	The items covered by this declaration, for which I seek registration, are category <u>Type "C"</u> type fittings. In support of this application, the following information and/or test data are attached as follows:		
(drawings, calculations, test reports, etc.)			
Declared before me at <u>Clark (UUper</u> in the <u>ti</u> the <u>27th</u> day of <u>January</u> AD 20 <u>14</u> . Commissioner for Oaths:)WYof R	vebling	
Chryssa S. Wilson (Printed name) Chy Su (Signature)	Signature of Declarer,	2	
FOR OFFICE USE ONLY To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category	l stansarda Pre	llers and ssure Vessels ety Program	
CRN: 0C16697.5	REGISTE	RED	
Registered by: <u>K. Kin</u>	C.R.N. 0016697		
Dated:March 4/14	Signed:		
NOTE: This registration expires on:	Date: March	4/14	
PV 09553 (11/127 Scope: Per I sheet of attach me			
- Per latest Editions of Codes.	KK 3/4/14	2	

Technical Standards & Safety Authority 14th Floor, Center Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4

January 23, 2014

Reference:

EH30 Series Solenoid Valve)
Including both normally open and normally closed bonnets	
EH40 Series Solenoid Valve	
Including both normally open and normally closed bonnets	
EH50 Series Solenoid Valve Including both normally open and normally closed bonnets	Scope-
EX30 Series Solenoid Valve Including both normally open and normally closed bonnets	THIS IS PARTOF
EX40 Series Solenoid Valve Including both normally open and normally closed bonnets	THIS IS PART OF CRN OC 16697.5 Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program

To Whom It May Concern:

Enclosed is our submission for registration and manufacture of non-nuclear fittings in accordance with the requirements of your Fitting Registration Guidelines (Jan 17, 2007).

Also find attached a copy of the required Statutory Declaration Form, for which two originals will be mailed separately, and a copy of our ISO 9001-2008 certification.

The following will cover the technical submission requirements for Non-Standard Fittings as outlined in 2.7-B and includes subject areas:

- Design Specifications
- Material Specifications
- Maximum Allowable Working Pressure and Temperature
- Overall Dimensions and the Detailed Dimensions of all the Pressure Parts
- Detailed Calculations or Copy of the Proof Test Report Witnessed



April 23, 2014

Attention: Tanya Francis TECHNICAL STANDARDS & SAFETY AUTHORITY 3300 BLOOR STREET WEST 14 FLOOR CENTRE TOWER TORONTO, ON M8X 2X4

The design submission, tracking number 2014-02565, originally received on March 24, 2014 was surveyed and accepted for registration as follows:

CRN : 0C16697.52

Reg Type: New Design

Accepted on: April 23, 2014 Expiry Date: March 04, 2024

Fitting type: SOLENOID VALVES 1/4" TO 1/2"

Drawing No. : SERIES EH30, EH40, EH50, EX30, EX40

Design registered in the name of : CLARK COOPER DIV, MAGNATROL VALVE CORP

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

TSSA SR 1359802

- This registration has been issued:

1. Based on TSSA's review.

2. Based on the Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review for Vessel Design Registration of August 1997.

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 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.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3369 or fax (780) 437-7787 or e-mail Radisavljevic@absa.ca.

Sincerely,

Zaua Padisar/1/2012

RADISAVLJEVIC, ZANA, R.E.T.



14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

May 13, 2014

SERGE BOCHNOVICH CLARK COOPER DIV OF MAGNATROL VALVE CORP 941 HAMILTON AVE ROEBLING NJ 08554 US

Service Request Type.: BPV-National ACI Central Service Request No.: 1359808 Your Reference No.: NAT'L SERV FOR CRN 0C16697.5 Registered to.: CLARK COOPER DIV OF MAGNATROL VALVE CORP

Dear SERGE BOCHNOVICH,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0C16697.59870YTN.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis Administrative Assistant_ BPV Engineering Tel.: 416-734-3423 Fax: 416-231-6183 Email:tfrancis@tssa.org

Putting Public Safety First

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ł	UNIFORM STATUTORY DECLARATION	FORM FOR THE REGISTRATIO	N OF FITTING DESIGNS
•	NEW BRUNSWICK NOVA SCOTIA NUNAVUT YUKON		· NEWFOUNDLAND AND LABRADOR
	MANUFACTURERS NAME: CLARK - COOPER	DIVISION OF MAGNATRO.	i i
	MANUFACTURERS ADDRESS: 941 HAMILTON		
	PLANT LOCATIONS:		V 08337
•	CATEGORY OF FITTINGS TO BE REGISTERED. C	ROLE ONE CATEGORY ONLY	ITLE OF THE STANDARD OF CONSTRUCTION
	A Pipe fittings, including couplings, taas, elbows, Ys, plugs, unit <u>B Flanges: all flanges</u> <u>C Valvos: all fine valves</u>	lons, pipe cpps, or reducers	ASME B31.3-2002.
	D Expension Joints, fissible connections, and hose assemblics: E Strainers, filters, separators, and stass trace		2004 BOYLER & Pressure VESSEL CODE
	F Measuring devices, including pressure gauges, icvel gauges, i pressure transmitten.		SECTION 11 SECTION VIII DIV A
	 G Contilied capacity-rated pressure relief devices acceptable as boilers, pressure vessele, piping and fusible plugs H Pressure retaining components that do not fall into one of the second seco	Sbové cálecoñes	
	N Nuclear components: Class 1 D Class 2 D Class 3 D. (Me	ading AFCB or ASME realifements)	
	SHOW MANUFACTURERS NAME. TRADEMARK, OR LOGO AS	S IT WILL APPEAR ON THE PRODUCT	NELALCONSTRUCTION
	ELARK C		CAST O OTHER A WROUGHT D CAST O OTHER OSIGNIBE OTHER THREADED
	LIST OF SUPPORTING DOCUMENTATION AND IDENTICIAN		
	DARWINGS OF ALL PRESSURE BOU	IUN UF THE ACTUAL ITEMS TO BE RE	ISTERED:
	CALCULATIONS OF THE FREESORE 1900	MORKY CORPONENTS;	
· ·	CALCULATIONS SHOWING CONFORM	MALE TO ASME B?	31.3-2002 AND
•	2004 BOILER & PRESSURE VE VIII DIVISION 1 -	enel code section	II AND
	CATALOG SHEETS ;		
	MATERIAL SPECIFICATIONS	• •	
	UPELIFICATIONS		
	DECLARATION:		
OF NEW JE 129800 Ecclines 2/1	I SERGE BOCHMOVICH [we note of employed by crasponsibility for the quality of the end product do aclemnly d my knowledge represents the product for which registration is temperature rotings, and identification markings are in accord munifacture of these fittings is regulated by a Quality Control or in part and has been verified by <u>DATERTER</u> declaration conscientiously believing it to be true, and known Signature of Declarar:	declare that the information contained is sought. The dimensions, materials dance with the haroin named standar of Program which extends to each play	of construction, pressure ds. I further declare that the n where fabrication occurs in whole
	Cloude (
	This 11th day or March AD 2014		SPACE FOR THE Dial Seal
	Commissioner of Oeths AMM Muse or Notary Public: (sign) (Affix Official Seal to the right)	·	
ſ		or Regulatory Authority use	-
	This space to This registration must be ravaildated.	after Ion (10) years from the date of	acceolarica.
	CRN: 0C16697.5	AC	CEPTED
· ·	CRN:	PROVINCE OF PR	INCE EDWARD IST AND
I	FID#: 14967	ENVIRONMENT	LABOUR & JUSTICE
-			
• •	Notes:	C.R.N. UC	6697.59
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	1. All fittings shall be registered in the name of the Manufactures	በልምምራ 🗛	
·	 All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statuten Decombined 	DATE:A	pil VIIY
	 All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 		pil VI IY
	 All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statuten Decombined 	and	ERVICES SECTION

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			<u>ALL VISIL FWR THE REUIS (RA H</u>	N OF FITTING DESIGNS
	NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
	MANUFACTURERS NAME:	CILARY - COOPER	DIVISION OF MAGNATRO	L VALKE CORP
	MANUFACTURERS ADDRESS		AVENUE, ROEBLING A	
	PLANT LOCATIONS:			00331
	CATEGORY OF FITT	INGS TO BE REGISTERED.	CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
	A Pipe fittings, including couple B Elanges: ell flanges C Valves: all line valves			ASME B31.3-2002
	D Expansion joints, llexible con E Strahers, filters separators, i F Moasuring devices, including pressure transmitters			2004 BOULER & FRESSORE VESSEL COPE SECTION 11
	 G Certified capacity-rated press boilers, pressure vessels, pip H Pressure retaining component 	S that do not fail into one of th	as primary over pressure protection on 19 above categories	SECTION VIII PIV A.
	in Nuclear components: Class 1	Class 2 C Class 3 C /	Meeting ACCE as Acting and the second	
	<u>E</u>			FORGED I WE DED A WROUCHT D CAST I DITTER DESCRIBE OTHER TAREADED
	LIST OF SUPPORTING DOCUM	ENTATION AND IDENTIFICA	TION OF THE ACTUAL ITEMS TO HE R	GISTERED:
	VILHWINGS OF I	446 PRESSORE 15	OUNDARY COMPANENTS	•
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	VIII DIVISIC	K & MALSJURE 1	ESSEL CODE SECTION	11 AND
	CATALOG SHEL			
	MATERIAL SPL		•	
	1 Jrz	CIFICATIONS		
	DECLARATION:	<u></u>		
OF NEW JERSEY 429800 Expires 2112018	my knowledge represents the pr temperature rations, and identify	oduct for which registration	CLARK - COPER y declare that the information containe h is sought. The dimensions, material ordance with the herein named stands	a in this form is true and to the best of s of construction, pressure
OF NEH 129800 Expires	or in part and has been verified a	W TATERTEN	rol Program which extends to each pla as being suitable for the wing that it is of the same force and eff	rds. I further declare that the Int where fabrication occurs in whole
UBLIC OF NEW D # 2429800 Bistion Expired	or in part and has been verified i declaration conscientiously belie Signature of Declarer:	by <u>ENTERTEK</u> ving it to be true, and know <u>r</u> bolan	as being suitable for the same force and an	rds. I further declare that the ant where fabrication occurs in whole at purpase and I make this solemn ect as if made under oath,
ry PUBLIC OF NEW ID # 2429800 rumisaion Expirea	or in part and has been verified it declaration conscientiously belie Signature of Declarer: <u>Signature of Declarer</u> Declared before me at <u>CIVAY</u>	y INTERTER ving it to be true, and know North Couper	as being suitable for the wing that it is of the same force and aft USETHIS	rds. I further declare that the Int where fabrication occurs in whole
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5 2	ar in part and has been verified i declaration conscientiously belie Signature of Declarer:	by <u>ENTERTER</u> ving it to be true, and infor <u>A DOLOPEY</u> <u>AITCH</u> AD <u>2014</u> <u>AITCH</u> <u>AD 2014</u> <u>AITCH</u> <u>AD</u>	as being suitable for the as being suitable for the ving that it is of the same force and aft USETHIS USETHIS OFFI of Regulatory Authority use of after ters (10) years from the date of Date C.R.N. OC	rds. I further declare that the ant where fabrication occurs in whole at purpose and I make this solern ect as if made under oath. SPACE FOR THE CIAL SEAL Acceptance RESSURE ONASCOTTA April 4/14 Ile Log 7.58
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5 2	ar in part and has been verified i declaration conscientiously belie Signature of Declarer:	by <u>ENTERTER</u> ving it to be true, and infor <u>A DOLOPEY</u> <u>AITCH</u> AD <u>2014</u> <u>AITCH</u> <u>AD 2014</u> <u>AITCH</u> <u>AD</u>	as being suitable for the as being suitable for the ving that it is of the same force and aff USETHIS OFFI of Regulatory Authority use and after ten (10) years from the date of Date. C.R.N. OC Signed	rds. I further declare that the ant where fabrication occurs in whole at purpose and I make this solernn ect as if made under oath. SPACE FOR THE CIAL SEAL Acceptance RESSURE ONASCOTTA April 4/14 Ile Log 7.58

	UNIFORM STAT	UTORY DECLARATION	FORM FOR THE REGISTRATION	OF FITTING DESIGNS
	NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
	MANUFACTURERS NAME:	GLARK - COOPER	DIVISION OF MAGNATROL	1/0/ #5 0000
	MANUFACTURERS ADDRESS	941 HAMILTON	AVENUE, ROEBLING N	T OF554
	PLANT LOCATIONS:		MERCIZ , NOEBLING TO	UPSS7
	CATEGORY OF FITT	NGS TO BE REGISTERED. C	IRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
•	A Pipe fittings, including coupling	gs, tees, elbows, Ys, plugs, uni	ons, pipe caps, or reducers	ASME B31.3-2002
	C Valves: all line valves			
	D Expansion joints, flexible conr	ections, and hose assemblies:	all types	2004 BOILER & Pressore
	F Measuring devices, including	na siegn trene		VESSEL CODE SECTION 11
				SECTION VIII DIV A
	boilers, pressure vessels, pipi H Pressure retaining component		primary over pressure protection on	
	N Nuclear components: Class 1	Class 2 Class 3 C. (Me	eefing AECB or ASME requiremental	
1	SHOW MANUFACTURERS NAM	E, TRADEMARK, OR LOGO A	S IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
			nnoeo	DESCRIBE OTHER:
	Ser.	CIALIZING IN ADVAN	CEP APPLICATIONS	THREADED
	LIST OF SUPPORTING DOCUME	NTATION AND IDENTIFICAT	ION OF THE ACTUAL ITEMS TO BE REC	
	DRAWINGS OF A	UL PRESSURE BOI	UNDARY CORPONENTS;	<u>IISTERED:</u>
	CALCULATIONS S	HOWING CONFORT	HANCE TO ASME RA	1-3-7002 4400
	2004 BOILE	R & PRESSURE 1/	ESSEL CODE SECTION	II AND
	V ((U) V) (0 A) = 3 C			
	CATALOG SHEE	its ;	• · ·	
	MATERIAL SPE	CIFICATIONS		
	DECLARATION: SERGE BOCHNOVICH		CLARK CHARGE	
18 18	responsibility for the quality of the	Bend product do solometu	CLARK - COPER and being declare that the information contained	g the person having full authority and in this form is true and to the best of
'SSA S. WILSON UBLIC OF NEW JERSEY ID # 2429800 Massion Expires 217/2018	temperature ratings, and identific	ation markings are in second	is sought. The dimensions, materials	of construction, pressure
WILSON NEW JER 800 pires 2772				
VI BERE	declaration conscientiously believ	ring it to be true, and knowi	as being suitable for that as being suitable for that ing that it is of the same force and effe	purpose and I make this solemn
SA S. WIL BLIC OF NEW # 2429800 Bion Expires	Signature of Declarer:	Lala		ci as il made under dath.
SSA UBLIC D#2		2 your		
	Declared before me at <u>Clar</u>		USETHIS	ACE FOR THE
CHRY F IOTARY F My Comm	This 11th day of MO	17ch AD 2014	DeNerver	AlousesiA L
CHR) NOTARY F	Commissioner of Oaths or Notary Public: (sign)	ing ILA.		ISWICK
			DEPT OF P	UBLIC SAFETY
•	(60)	Official seal to the right)	BUILER & PRE	BSURE VESSEL ACT
:	This regis	stration must be revalidated	or Regulatory Authority use after ten (10) years from th REG(37)	Manage
	CRN: 0C16697.5		i	
	Orut,		CRN	<u>loc16697.57</u>
	FID#: 14967			
·			EXAMINER	mussi
	Notes: 1 All fillings shall be registered in the		<u></u>	for
, i	1. All fittings shall be registered in th 2. Each category shall be supported	with two Statutony Declaration	CHIEF BOILE	R INSPECTOR
÷	forms and one copy of supporting doe 3. The declaration shall be made by	cumentation	DATE (14/	24/2014
	responsibility for the quality of the end	foreduct		
	4. Quality control programs shall be i at a maximum interval of five (5) year	esubmitted for validation	LJ BLRs	D PVs
. [(J) year	·		COMPONENTO

	UNIFORM STAT	UTORY DECLARATION	FORM FOR THE REGISTRATIC	IN OF FITTING DESIGNS
	NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
	MANUFACTURERS NAME: MANUFACTURERS ADDRESS	CLARK - COUPER 941 HAMULTON	DIVISION OF MAGNATR. AVENUE, BOEBLING N	
1	PLANT LOCATIONS:	991 HAMILTON	AVENUE, KOEBUNG I	00000
	CATEGORY OF FITT	INGS TO BE REGISTERED.	CINCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCT CH
	A Pipe fittings, including couplin B. Elanges: pli flanges			ASME B31.3-2002
	boilers, pressere vessele, pip	and slearn traps prossure gauges, level gauge: ure relief devices acceptable s ing and fulsible plugs	a, sight glasses, lavela, or a primary over pressure protection on	2004 BOULER & PRESSORE VESSEL COPE BECTION 11 SECTION VIII PIV A
1.	H Pressure retaining componen	is that do not fall into one of th	-	
			Veeting AECB or ASME requirements)	
				Threaded webbed A wrought it cast i other A defories other: Threaded
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	VIII DIVISI	on 1;		
	CATALOG SHE	ETS ;	•	•
	MATERIAL SP	BCIFICATIONS		
CHRYSSA S. WILSON ITARY PUBLIC OF NEW JERSEY ID # 2429800 y Comatosion Expires 2112018	responsibility for the quality of (my knowledge represents the p temperature ratings, and identit manufacture of these fittings is	the end product do solemn product for which registration fication markings are in act regulated by a Quality Cou	y declare that the information contain in is sought. The dimensions, materi cordance with the herein named stan troi Program which extends to each	
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HRYSSA 9 ARY PUBLIC ID # 24 Commission		rk (ouper		S SPACE FOR THE
Ser AN		CIRCH AD 201	ut Off	ICIAL SEAL
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	CRN: 0016697.5	•	2. 2.	Labrador
	}	•		
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		-		
	Notes:			Jate 14/04/07
	1. All fittings shall be registered in			ingineering and inspection pervices
	2. Each category shall be support forms and one copy of supporting		tion 6	Registered by K.
	3. The declaration shall be made			
	responsibility for the quality of the	end product.	-	UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND
	4. Quality control programs shall at a maximum interval of five (6) y		T	HE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS. NEW BRUNSWICK NOVA SCOTIA PRINCE EDWARD ISLAND NEWFOUNGLAND AND LABRADOR NUMAYOT YUKON NORTHWEST TERRITORIES MANUFACTURERS NAME CILARU- COOPER DIVISION OF MAGNATRAL VALA CORP. MANUFACTURERS ADDRESS 141 HAMLTON AVENUE, BOLBUNG NJ OF554 PLANTLOCATIONS CATEGORY OF FITTINGS TO BE REDISTERED. GIRCLE OKE CATEGORY ONLY TALLOF THE STANDARD OF CONTINUENCY A Pape falings, including couplings, toos, edbows, Ys, plags, unions, place caps, or reducing B.Elaugar Al Canges ASME \$31.3-2002 C Valves: all Ing values a D Expansion joints, invite connections, and rese assortbles, all types 2004 BULER & Pressor E Strainers, fillors, separators, and steam baps VESSEL SOPE F Manauring Searces, including prevoure gauges, incluidances, agin planoas, tereis, or SECTION 11 SECTION VIIT PW A prossure transmitters G Certilled annacity rated pressure rollef devices accustable 85 prenaty over pressure protection on bolkes, pressure vessols, piping and fusible plays H. Prossure wonning componence that do not fall site one of the above categories M Huckes components. Class 1 [] Class 2 [] Class 3 [], (Meeting AECB or ASME (equirements) SHOW MANUFACTURERS NAME, THADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT THEOR CONSTRUCTION FORGED C WELDED & WROUGH D CAST C OTHER S DESCRIBE OTHER LARK BEIDDER THREADED LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO HE REGISTERED DRALINES OF ALL PRESSURE BOMMARY CORPONENTS; CALCULATION'S SHOWING CONFORMANCE TO ASME \$31.3-2002 AND 2004 BOILER & PABESURE VESSEL CODE SECTION 11 AND VILL DIVISION & 5 CATALOG SHEETS ! MATERIAL SPECIFICATIONS DECLARATION: see note to employed by CLARX - CLOPER and being the person having full authority and responsibility for the quality of this and product do sciennily declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the harein named standards. I further declare that the 102 H 202 deciaration conscientiously believing if to be true, and knowing that it is of the same force and effect as if made under oath. Signature of Declarer: G Declared before me at USETHIS SPACE FOR THE This I the day of Mary 47 AD 2014 OFFICIALSEAL Commissioner of Oatha or Notary Public: (sign) AMAN AN (Affix Official seal to the right) This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of exceptance CRN: 0016697.5 FID# 14967 Notes All Othings shall be segmented in the restrict of the Manufacturer,
 Basin category shall be supported with two Statuanty Declaration forms and call copy of suspersing descendentation. 3. The destantion and the mode by the person having full authority and responsibility for the quality of the end product 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (6) years.

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	UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATIO	N OF FITTING DESIGNS
	NEW BRUNSWICK NOVA SCOTIA PRINCE EDWARD ISLAND NUNAVUT YUKON NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
	MANUFACTURERS NAME: CLARK - COUPER DIVISION OF MAGNATRO MANUFACTURERS ADDRESS: 941 HAMILTON AVENUE, ROEBLING N	
	PLANT LOCATIONS: CATEGORY OF FITTINGS YO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	TITLE DE THE STANDAAR DE CONSTRUCTION
	 A Pige fittings, including couplings, teles, albows, Ye, plugs, unloss, pipe caps, or reducers B. Elanges: all flanders C Valves: all line valves D Expansion joints, flactble connections, and how assembilies: all types E Strainers, fitters, separators, and steam traps F Albäsuing devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters C Cantiled capacity-rated pressure relief devices acceptable as primery over pressure protection on boliers, pressure vessels, piping and fusible pipgs H Pressure relating components that do not fail into one of the above categories 	ASONE B31,3-2002 2004 BOILER & PTESSORE VESSEL COPE SECTION 11 SECTION VIII PIV A
	N Nuclest components: Class 1. D Class 2 D Class 3 D, (Meeting ASCS of ASME requirements) SHOW MANUFACTURERS NAME, TRADEMARK, GR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	CE CLARK COOPER	TAREADED TAREADED TAREADED
	LIST OF SUPPORTING POCUMENTATION AND IDENTIFICATION OF THE ACTUAL DEME TO BE BE	GISTERED:
	QAAWINGS OF ALL PRESSURE BOUNDARY COMPONENTS; CALCULATIONS SHOWING CONFORMANCE TO ASIME B 2004 BOILER & PRESSURE VESSEL CORE SECTION VIII DIVISION 1; CATALOG SHEETS ;	21-3-702 AND
	MATERIAL SPECIFICATIONS	
	DECLARATION: (SERGE BOCHNOWICH percent) employed by CLARK - COPER and below and below and below the public for	
CHRYSSA S. WILSON OFARY PUBLIC OF NEW JERSEY ID # 2428600 by Commission Expires 2172018	responsibility for the quality of the and product do sciemnly declare that the information contained my knowledge represents the product for which registration is sought. The dimensions, material temperature rakings, and identification markings are in accordance with the herain named stander manufacture of these fittings is regulated by a Quality Control Program which extends to each pla or in part and has been verified by <u>LATERTEK</u> as being suffable for the declaration conscientiously believing it to be true, and knowing that it is of the same force and eff Signature of Declarer.	d in this form is (rue and to the bast of a of construction, pressure Mds. I further declare that the ant where fabrication occurs in whole
CHRY55A FARY PUBLIC LD # 2 LD # 2	Declared before me at Clark Couper USETHIS	SPACE FOR THE
EHT HOTARY HOTARY HOTARY	This 11th day of March AD 2014 OFFI Commissioner of Oaths or Notary Public: (sign) Ann Mar	CIAL SEAL
,	(Affix Official seal to the right)	· · · · · · · · · · · · · · · · · · ·
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	All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration forms and and copy of supporting documentation. The declaration shall be made by the person traving full authority and responsibility for the quality of the end product. Quality control programs shall be responsible to relation to response the shall be response to the control of the end product. Quality control programs shall be response to the control of the end product.	Territories AISTERED E AUTHORITY OF R AND PRESSURE SSEL ACT. 166 97.51
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	UNIFORM STA	TUTORY DECLARA	TION FORM FOR THE REGISTRATIC	N OF FITTING DECICAL
	NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
	MANUFACTURERS NAME	GLARU - COOPS	R. DIVISION OF MAGNATRI	1/01 8 000
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a management of the second	PLANT LOCATIONS:			
	A Pipe filtings including count	INGS TO BE REGISTER	D. CIRCLE ONE CATEGORY ONLY 3. unions, pipe caps, or reducers	THE OF THE STANDARD OF CONSTRUCTOR
	B. Elanges: pll flanges C Valves: all line valves	າອອາ ແຂວວ, ສະນັບສະ, 15, ນານເ	s, unions, pipe caps, or reducers	ASME B31.3-2002
	D Expansion joints, flexible cor E Strainers, fillers, separators,	nections, and hose assem	blies: all types	2004 BOILER & Pressore
	F Measuring devices, including pressure transmitters	pressure gauges, level ga	uges, sight glasses, levels, or	VESSEL CODE SECTION 11
	G Certilled capacity-rated press	una callat Routhão a destabil	sle as primary over pressure protection on	SECTION VIII PIV A
	H Pressure retaining componen	us and iusiple plugs Is that do not fall into one i	of the atoms rotana rise	
	N Nuclear components: Class	🖸 Class 2 🗂 Class 3 🗗	Addition NEPS or termination and	
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	DECLARATION:			
• • •	1 SERGE BOCHMOVICH	(994 note 3) Employed	by CLARK - COOPER and be	ng the person having full authority and
CHRYSSA S. WILSON NOTARY PUBLIC OF NEW JERSEY KD # 2425800 Ry Commission Explres 2772016	temperature ratings, and identifi manufacture of these fittings is r or in part and has been verified declaration conscientiously belie Signature of Declarer: Declared before me at CL/AP This LLThday of Commissioner of Oaths or Notary Public: (sign)	cation markings are in a egulated by a Quality C by <u>ENTERTEL</u> wing it to be true, and k 2 France	<u>0 F F 1</u>	s of construction, pressure rds, I further declare that the aril where fabrication occurs in whole
		This sp	ace for Regulatory Authority usa	an a
	This reg	istration must be revalle	lated after ten (10) years from the date o	acceptance.
	CRN: 0016697.5		653	NIT INTAN / I IT
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	La 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		stears	Boilers and
	Notes: 1. All fittings shall be registered in t	ne name of the Manufactu	INUNAVUL	Pressure Vessels Act
	forms and one copy of supporting de	I with two Statutory Declar ocumentation	ration RE(NSTERED
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	4. Quality control programs shall be	resubmitted for validation		667724
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DIRECTIVE



EXEMPTION FROM REGISTRATION REQUIREMENTS FOR CATEGORY A, B, C, AND G CATEGORY FITTINGS

This Directive is being issued by a provincial safety manager pursuant to section 30 of the Safety Standards Act.

Date of Issue: July 12, 2013

Directive No: D-BP-2013-03

General Details

This directive supersedes Directive D-B6 070402 3 issued on April 3, 2007 and is being issued to clarify the requirements for exemption of Category A, B, C, and G fittings from registration.

Specific Details

Subsection 84(2) of the Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation (the Regulation) requires that fittings be registered with a provincial safety manager of the BC Safety Authority. Subsection 84(8) of the Regulation allows the Safety Manager to exempt fittings from registration.

The exemption of fittings from registration shall apply only to piping components complying with the standards and specifications listed in the ASME B31 Pressure Piping Codes and to certified pressure relief devices complying with the requirements of the ASME Boiler and Pressure Vessel Codes.

The registration exemption shall apply to specific fittings in categories A, B, C, and G:

Category A

- Pipe fittings, including couplings, tees, elbows, wyes, plugs, unions, nipples, pipe caps, and reducers complying with a standard listed in Table 126.1 of ASME B31.1, Table 326.1 of ASME B31.3, Table 526.1 of ASME B31.5, or Table 926.1 of ASME B31.9

Category B

- Flanges complying with a standard listed in Table 126.1 of ASME B31.1, Table 326.1 of ASME B31.3, Table 526.1 of ASME B31.5, or Table 926.1 of ASME B31.9

Category C

- Valves complying with a standard listed in Table 126.1 of ASME B31.1, Table 326.1

of ASME B31.3, Table 526.1 of ASME B31.5, or Table 926.1 of ASME B31.9 Category G

- Pressure-relief devices marked with an ASME or NB stamp

Pursuant to the power granted to the provincial Safety Manager under subsection 84(8) of the

DIRECTIVE NO: D-BP-2013-03

Page 1 of 3

505 SIXTH STREET, SUITE 200, NEW WESTMINSTER, BRITISH COLUMBIA, CANADA V3L 0E1 Toll Free: 1-866-566-7233 Fax: 778-396-2064 Web Site: <u>www.safetyauthority.ca</u> E-mail: <u>info@safetyauthority.ca</u>

DIRECTIVE



Regulation, it is hereby directed that only category A, B, C, and G fittings, as described above, are exempt from the registration requirements of Subsection 84(2) of the Regulation. This directive is effective immediately.

Nonstandard or unlisted piping components not complying with the specifications and standards listed the ASME B31 Code for Pressure Piping or pressure relief devices not in compliance with the requirements of the ASME Boiler and Pressure Vessel Code, shall be registered in accordance with Section 84(2) by submitting the documentation specified in CSA B51 section 4.2.6(b).

Ed Hurd P.Eng. Provincial Safety Manager, Boilers

For more information on the British Columbia Safety Authority, please visit our web site at: <u>www.safetyauthority.ca</u>

References: Relevant Legislation

Power Engineers, Boiler, Pressure Vessel & Refrigeration Safety Regulation

84 (1) For this section, "pressure retaining equipment" means a boiler or pressure vessel, or pressure piping system.

(2) The design of all boilers, pressure vessels, fittings and pressure piping, to which this regulation applies, must be registered with a provincial safety manager.

(3) Subsection (2) does not apply to pressure piping that is

- (a) NPS 3 or less, or
- (b) in a fluid plant.

(4) To register a design, the owner, licensed contractor, consulting engineer, manufacturer or designer of the pressure retaining equipment must submit, for review by a provincial safety manager, an application containing all drawings, design specifications, calculations and codes of conformance as required by a provincial safety manager.

(5) Registration of pressure retaining equipment must be obtained before construction is commenced.

(6) If, in the opinion of a provincial safety manager, a design registered under subsection (2) is subsequently found to be defective in any detail, the design must be revised by the person

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Page 2 of 3

505 SIXTH STREET, SUITE 200, NEW WESTMINSTER, BRITISH COLUMBIA, CANADA V3L 0E1 Toll Free: 1-866-566-7233 Fax: 778-396-2064 Web Site: <u>www.safetyauthority.ca</u> E-mail: <u>info@safetyauthority.ca</u>

DIRECTIVE



who submitted the design and those revisions must be approved by the provincial safety manager.

(7) The registration of a pressure retaining equipment design does not relieve the equipment manufacturer of liability for the design and construction of the pressure retaining equipment.

(8) A provincial safety manager may exempt fitting designs from registration under subsection (2).

DIRECTIVE NO: D-BP-2013-03

505 SIXTH STREET, SUITE 200, NEW WESTMINSTER, BRITISH COLUMBIA, CANADA V3L 0E1 Toll Free: 1-866-566-7233 Fax: 778-396-2064 Web Site: www.safetyauthority.ca E-mail: info@safetyauthority.ca



To:	TSSA	From:	Janet Townsend
Company:	Clark-Cooper Div. of Magnatrol Valve Corp.	Phone:	416-747-4291
Pages:	5	Location:	Toronto
Our File:	ANR-3090	Date:	April 23, 2014

Your File: 1359818

Subject: <u>Request for Design Registration</u>

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Clark-Cooper Div. of Magnatrol Valve Corp. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0C16697.56.

The cost for this service is \$ 760.00 plus HST.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

Jart Toamsel

Janet Townsend Account Manager CSA Group janet.townsend@csagroup.org www.csagroup.org

Show facsimile of manufacturer's logo or trademark, as it will **TECHNICAL STANDARDS &** appear on the fitting, in the space below SAFETY AUTHORITY 14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 STATUTORY DECLARATION **Registration of Fittings** L Serge Bochnovich, Engineering Manager (Name and Position, e.g. President, Plant Manager, Chief Engineer) of Clark-Cooper Division of Magnatrol Valve Corporation (Name of Manufacturer) Located at 941 Hamilton Avenue, Roebling NJ 08554 856-829-4580 856-829-7303 (Plant Address) (Telephone No.) (Fax No.) I do solemnly declare that the fittings listed hereunder, which are subject to the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3-2002, 2004 Boiler and Pressure Vessel Code Section II and VIII Division 1 (Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service; or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with 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 by a quality system meeting the requirements of <u>ISO 9001-2008</u> which has been verified by the following authority, Intertek The items covered by this declaration, for which I seek registration, are category Type "C" type fittings. In support of this application, the following information and/or test data are attached as follows: Drawings of all pressure boundary parts; Calculations showing conformance to listed specifications; Catalog sheets (drawings, calculations, test reports, etc.) NOTARY FULLIC OF NUM JERSEY Reclared before me at <u>Clark Louper</u> in the <u>town</u> day of March AD 20 (4 ID # 2429800 Sommissioner for Oaths: SinBak (Signature (Signature of Declarer) FOR OFFICE USE ONLY To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and **CSA INTERNATIONAL** CSA Standard B51 and is accepted for registration in Category REGISTERED A- OCI6697,56 CRN: C.R.N.: CS Banwat Registered by: Signed Dated: Date: 178 Rexdale Blvd., Toronto, ON M9W 1R3 4,2024 March NOTE: This registration expires on: *Note: - Scope per 1 sheet of attachment, sizes ¼" to ½". 顎 - Per latest Edition of Codes.

CHRYSSA S. WILSON

ŇDARDS



Inspection and Technical Services Manitoba 500 - 401 York Avenue Winnipeg Manitoba R3C 0P8 T (204) 945-3373 F (204) 948-2309 www.firecomm.gov.mb.ca/codes_steam_pressure.html

July 21, 2014

TSSA 3300 Bloor St. W, Center Tower, 14th Floor Toronto, ON M8X 2X4

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: CLARK COOPER DIV. OF MAGNATROL VALVE CORP.

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
Solenoid Valve Series: EH30, EH40, EH50, EX30, EX40	0C16697.54	33869

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. This registration expires March 4, 2014.

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,

Mayur

Ryan DeLury, C.E.T. Senior Design Surveyor, Inspection and Technical Services



TECHNICAL STANDARDS & SAFETY AUTHORITY 14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

	·		· · ·				
	STATUTORY DEC	CLARATION					
	Registration of Fittings						
	Serge Bochnovich, Engineering Manager						
	(Name and Position, e.g. President, Plant Mar	ager, Chief Engineer)					
	of Clark-Cooper Division of Magnatrol Valve Corporation						
	(Name of Manufacturer)						
	Located at 941 Hamilton Avenue, Roebling NJ 08554	856-829-4580	856-829-7303				
	(Plant Address)	(Telephone No.)	(Fax No.)				
	do solemnly declare that the fittings listed hereunder, which are subje	ot to the Technical Clanders					
	and Pressure vessels Regulation, comply with all of the requirement	its of	s and Safety Act, Bollers				
	ASME B31.3-2002, 2004 Boiler and Pressure Vessel Code Section						
	(Title of recognized North American S which specifies the dimensions, materials of construction, pressure/tempera	<i>tandard)</i> ature ratings, identification markin	a the fittings and service:				
	or are not covered by the provisions of a recognized North American as supported by the attached da	standard and are therefore ma	nufactured to comply with				
	pressure/temperature ratings and the basis for such ratings, the markin	g of the fitting for identification	and service.				
	I further declare that the manufacture of those fittings is controlled by a surely		· · ISO 0001 2008				
	I further declare that the manufacture of these fittings is controlled by a quality which has been verified by the following authority, Intertek	system meeting the requireme	ints of 130 900 1-2006				
	The items covered by this declaration, for which I seek registration, are category Ty	ре "С"	type fittings. In support of				
	this application, the following information and/or test data are attached as follows:						
Ĕ	Drawings of all pressure boundary parts; Calculations showing conforman (drawings, calculations, test report		talog sheets				
N H			-				
CHRYSSA S. WILSON NOTARY PUBLIC OF NEW JERSEY	Clared before me at <u>Clark Couper</u> in the <u>t</u> the <u>ll+h</u> day of <u>March</u> AD 20 <u>14</u> .	own .	<u>FRebling</u>				
YSSA S. WIL PUBLIC OF NEV							
SA BLIC	the day of <u>March</u> AD 20_14						
Y Pull	Commissioner for Oaths:						
TAR	S. Chryssa Wilson						
Ñ	(Printed name)	- 0 1					
	Mars Un	> bork					
	() (Signăture) — — — — — — — — — — — — — — — — — — —	V (Signature of De	eclarer)				
	FOR OFFICE USE ON						
	To the best of my knowledge and belief, the application meets the requirements o	fthe					
	Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, CSA Standard B51 and is accepted for registration in Category*C**	and					
	$CRN: \qquad \qquad$						
	Registered by: POly		×				
	Dated: JULY 7, 2014						
	NOTE: This registration expires on:MARCH 4	7074					
Ļ	PV 09553 (11/12)						
	(21/12)						