

345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

February 23, 2024

CLARK COOPER DIV., MAGNATROL VALVE CORP. 941 HAMILTON AVE ROEBLING NJ 08554

Workorder Type: Registration - Fitting(Conventional) Workorder No: 14228041 Your Reference No.: RENEWAL OF CRN#0C16300.5 Registered to: CLARK COOPER DIV., 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 : 0C16300.5R3 Main Design No.: scope of registration Expiry Date: Feb 23, 2034

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

## Code of Construction: B16.34 - 2020, ASME Sec VIII-I 2021 Ed - Valves shall be identified by manufacturer's logo or trademark as shown on the drawings

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). 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,

Hone and

Hammad Wasif , M.Eng., P.Eng. Engineer, BPV Tel.: +1 416-734-3441 Email: hwasif@tssa.org

Putting Public Safety First 🔳

New Brunswick Nunavut	Nova Scotia		Edward Island	Newfoundland and Labrador
Nullavul	Yukon	Northw	est Territories	
Manufacturers Nam	e: Clark Cooper Division, Magnatrol	Valve Corporal	tion	
Plant Locations:	ress: 941 Hamilton Avenue, Roebling	9 NJ 08554		
	of Fittings to be registered	d Cirola a	na Calanana anti-	
A Pipe titungs, including	couplings, tees, elbows, Ys, plu	us, unions,	pipe caps, or reducers	Title of the Standard of Construction
B Flanges: all flanges C Valves: all line valves			, to other second	
D Expansion joints, flexi	ible connections, and hose asser	mblies all ty	mes	ASME B16.34
E Strainers, filters, sepa	rators, and steam trans			ASME Boiler & Pressure
l transmitters	cluding pressure gauges, level g			Vessel Code, Section VIII,
G Certified capacity-rate	d pressure relief devices accepta	able as prima	ary over pressure protection on	Div 1
Dollers, pressure vess	els, piping and fusible plugs mponents that do not fall into on			
N Nuclear components: Show Manufacturers	Class 1 Class 2 Class 3 S Name, Trademark, or Log	3 🗆 , (Meeti	ng CNSC or ASME requiremen	And the second
	s wante, reademark, or Log	o as it will	appear on the product	Forged  Welded  Wrought
(PE)				Cast D Other D
				Describe other:
List of supporting de	ocumentation and Identifica	ation of the	e actual items to be regist	ered:
				p renew CRN 0C16300.5
	and wing are being pro	ovided w		Dienew CRIN UC 10300.5
				이 집에 가지 않는 것 같아요. 정말 것
				그는 것 같아요. 여행 물건이 많이
				그는 그는 것 같은 것 같은 것이 같은 것이 없다.
Declaration:			lask Ones an Divid-Law	
Serge Bochnovich	(see note 3) emplo	oyed by C	lark Cooper Division	and being the person having full authority n contained in this form is true to the best of
my knowledge represer	ts the product for which reals	stration is s	ought The dimensions m	aterials of construction, pressure temperature
ratings, and identificatio	in markings are in accordance	ce with the l	herein named standards. Li	urther declare that the manufacture of these
fittings is regulated by a verified by intertek Testing Ser	Quality Control Program wh	nich extends	s to each plant where fabric	ation occurs in whole or in part and has been
believing it to be true, a	nd knowing that it is of the sa	ing suitable	for that purpose and I make	e this solemn declaration conscientiously
			and ellect as it made under t	Jan.
Signature of Declarer: _	Sh Downa	-	_	
Declared before me at	Clork Couper,	NJ		
This 19th day of	of January ad 2	2024	Notary Russia IS	Mison Salvation the Official Seal
Commissioner of Oaths	12			29800
Or Notary Public: (sign)	18 1 1 1 1		Commission Expir	es 2/7/2028
er Holdi y Hobidi (elgi Q	(Affix Official seal to the righ	ht)		
ſ			Regulatory Authority use.	
			after ten (10) years from the da	te of acceptance.
CRN: 0C16300.				
14067			ACCEPT	ED
FID#: 14967	·		PROVINCE OF PRINCE F	EDWARD ISLAND
Notes:			COMMUNITIES, LAND	e Environment
	Istered In the name of the Manufactur	irer.		00.59 Ber 3
and one copy of suppor			C.R.N. OCIO	22 2024
	e made by the person having full auti ality of the end product.	thority and	DATE: March	
4. Quality Control program	ns shall be resubmitted for validation.		Send	M CCobe Sect 1.0 - Fittings Rev.2
11/2016			ENSPECTION SERVI	CES SECTION
			BOILER PRESSURE V	ESSEL BRANCH

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edwa Northwest T		Newfoundland and Labrador
Manufacturers Nan	Re: Clark Cooper Division, Magn	atrol Valve Corporation		
	ress: 941 Hamiliton Avenue, Ro			
Plant Locations:				
B Flanges: all flanges	y of Fittings to be regist g couplings, tees, elbows, Ya	ered. Circle one C s, plugs, unions, pipe c	ategory only aps, or reducers	<u>Title of the Standard of</u> <u>Construction</u>
C Valves: all line valves	8			ASME B16.34
E Strainers, filters, sen	dble connections, and hose a arators, and steam traps	assemblies: all types		ASME Boiler & Pressure
F Measuring devices, in	ncluding pressure gauges, le	ivel gauges, sight glass	es, levels, or pressu	Vessel Code, Section VIII,
G Certified canacity-rate	ed pressure relief devices ac	centable as primany av	or protection	
l bollers, pressure vesu	sels, piping and fusible plugs			
H Pressure retaining co	omponents that do not fall int	o one of the above cat	egories	
N Nuclear components	: Class 1 Class 2 Cl	ass 3 🛛 , (Meeting CN	SC or ASME require	ments)
Show Manufacturer	s Name, Trademark, or	Logo as it will appe	ar on the produc	t Type of Construction
1 mm				Forged o Welded o Wrought o
(Internal				Cast Describe other:
List of supporting d	ocumentation and Iden	tification of the act	ual Items to be re	gistered:
Calculations and	drawing are being	provided with	this submissio	n to renew CRN 0C16300.5
				이 같은 것은 것은 수준 방법에 있는 것을 했다.
				감독은 물건 사람이 있는 것이 없는 것이 없다.
				그는 것은 물건은 집에서 가지 않는 것이 같이 많이 했다.
Declaration:		Clark	Conner Division	
Serge Bochnovich	(see note 3) (	employed by Clark	Looper Division	and being the person having full authority nation contained in this form is true to the best of
my knowledge represe	into the product for which	registration is sough	The dimension	s, materials of construction, pressure temperature
				s. I further declare that the manufacture of these
fittings is regulated by				abrication occurs in whole or in part and has been
verified by intertek Testing Se	and knowing that it is of t	s being suitable for t	hat purpose and I	make this sciemn declaration conscientiously
believing it to be true, a	and knowing that it is of u	ne same force and e	nect as it made un	oer oan.
Signature of Declarer:	Sz pora	e		
Declared before me at	Clove Cuper	. NT		
1		D 2024		S. Wilson :
		0.000	Notary Publi	#2429800
Commissioner of Oath	18 11		Commission	ne-2000 Expires 2/7/2028
Or Notary Public: (sign	e Kamer IV			
	(Affix Official seal to th	e right)		
<b></b>		This space for Regu	latory Authority use.	122310
		st be revaildated after	ten (10) years from t	he date of addiptance_ RE
CRN: 0C16300	<u>.5 R</u> ev3			NOVA SCOTIA
FID#: 14967			6	Data Man and a lit
Notea:			C	Date March 22/24
	gistered in the name of the Man	ufacturer	C.	R.N. OC16300. 58 Rev.3
	be supported with two Statutory			
	orting documentation.		D	wg. as described
	be made by the person having	full authority and	Si	gned
	quality of the end product.		C	$\sim$
4. Quality Control progra	ama shall be resubmitted for vali	dation.	1	of Sect 1.0- Settings Rev.2
11/2018				Part A
				A TIM

----

New Brunswick Nunavut	Nova Scotia	Prince Edward Island	Newfoundland and Labrador
nunavut	Yukon	Northwest Territories	
A DESCRIPTION OF THE OWNER AND ADDRESS OF THE OWNER	me: Clark Cooper Division, Magn		
Plant Locations:	dress: 941 Hamilton Avenue, Ro	ebling NJ 08554	
Catego	y of Fittings to be regist	ered. Circle one Category only	Title of the Standard of
A Pipe fittings, includin B Flanges: all flanges	ng couplings, tees, elbows, Y	s, plugs, unions, pipe caps, or reducers	Construction
C Valves: all line valve D Expansion joints, fle	exible connections, and hose	assemblies: all types	ASME B16.34
E Strainers, filters, sep	parators, and steam traps		ASME Boiler & Pressure
transmitters	including pressure gauges, le	evel gauges, sight glasses, levels, or press	
G Certified capacity-rai boilers, pressure ves	ssels, piping and fusible plugs	cceptable as primary over pressure protect s to one of the above categories	ion on Div 1
		lass 3 🗆 , (Meeting CNSC or ASME requir	rements)
		Logo as it will appear on the produ	
E			Forged □ Welded □ Wrought □ Cast ■ Other □ Describe other:
List of summarking		tification of the actual items to be r	
my knowledge repres ratings, and identificat fittings is regulated by verified by <u>Intertek Testing</u>	the quality of the end prod ents the product for which tion markings are in accor a Quality Control Program Services NA, Inc	luct do solemnly declare that the inform registration is sought. The dimension dance with the herein named standar m which extends to each plant where	and being the person having full authority mation contained in this form is true to the best of ns, materials of construction, pressure temperatur ds. I further declare that the manufacture of these fabrication occurs in whole or in part and has bee make this solemn declaration conscientiously nder oath.
Signature of Declarer	. So bolin		
Declared before me a		AIT I	
	y of January A	D 2024 Notary Pub	sa S. Wilson In of New Jersey The Official Seal
Commissioner of Oat	hs D	r comr	1. HZ WARDEN
Or Notary Public: (sig			Explose Carial S M ICK
	(Affix Official seal to the	D D	EPT OF JUSTICE PUBLIC SAFETY
	This registration mu	This space for Regulatory Authority use st be revalidated after ten (10) years from	PRESSURE VESSELACT
CRN: 0C16300			REGISTRATION ONLY
FID#: 14967			CRNOC16300,57Ras
Notes:			Q a
1. All Fittings shall be r	registered in the name of the Man	ufacturer.	Ven Que
and one copy of sup	be supported with two Statutory porting documentation.		CHIEF BOILER INSPECTOR
3 The Declaration and	Il he made by the nereon baying	full authority and	210 101

- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- 4. Quality Control programs shall be resubmitted for validation.

11/2016

1.

DATE 3/22/24			
		Sect 1.0 - Fittings Rev.2	
	PVs		

FITTINGS UNUCLEAR COMPONENTS

BLRs

New Brunswick Nunavul	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Nan	ne; Clark Cooper Division, Mag	gnatiol Valvo Corporation	
Contraction of the local data and the local data an	ress: 941 Hamilton Avenue, R	Roebling NJ 08554	
Plant Locations:			
		stered. Circle one Calegory only Ya, plugs, unions, pipe caps, or reducers	Title of the Standard of Construction
C Valves: all line valves			ASME B16.34
D Expansion joints, field	uble connections, and hose arators, and steam traps	e assemblies: all types	ASME Boiler & Pressure
F Measuring devices, in	ncluding pressure gauges,	level gauges, sight glasses, levels, or pressure	Vessel Code, Section VIII,
transmitters G Certified capacity-rate		acceptable as primary over pressure protection o	
H Pressure retaining c	ons, piping and reacts ploy omponents that do not fall i	nlo one of the above categories	
N Nuclear components	: Class 1 🗆 Class 2 🔲 (	Class 3 🗆 , (Meeting CNSC or ASME requireme	nis)
Show Manufacturer	s Name, Tradomark, o	r Lono as it will appear on the product	Type of Construction
			Forged o Welded o Wrought o Gast & Other o Describe other:
List of supporting o	locumentation and ide	ntification of the actual items to be regis	stored:
Calculations and	drawing are bein	g provided with this submission	to report CDN 0046200 F
ny knowledge represe atings, and identificat ittings is regulated by retified by <u>intentified by intentified</u> retileving it to be true, signature of Declarer: Declared before me at	he quality of the end pro- sate the product for white ion markings are in accor a Quality Control Progra and knowing that it is of Source Borton Clarke Coupe of January	ch registration is eought. The dimensions, r ordance with the herein named standards. am which extends to each plant where fabr as being suitable for that purpose and I made the same force and effect as if made unde <u> </u>	Wiscille Tur the Official Seal
Bene Bochnovich and responsibility for t ny knowledge represe atings, and identificat ittings is regulated by tertified by <u>teachet resting</u> s believing it to be true, signature of Declarer: Declared before me at this <u>14</u> <u>M</u> day	he quality of the end pro- sants the product for which ion markings are in accor a Quality Control Progra- and knowing that it is of Source Borton and knowing that it is of Clubbe Cucipe of January	Aduct do solemnly declare that the information of the information is sought. The dimensions, roordance with the herein named standards, an which extends to each plant where fabras being suitable for that purpose and I material the same force and effect as if made under the same forc	on contained in this form is true to the best of materials of construction, pressure temperatu I further declare that the manufacture of the loation occurs in whole or in part and has be iske this solemn declaration conscientiously r bath.
Bene Bothnovkh Ind responsibility for t ny knowledge represe alings, and identificat ittings is regulated by retified by <u>interfer Testing B</u> retifieving it to be true, Signature of Declarer: Declared before me at This <u>1946</u> day Commissioner of Oath	he quality of the end pro- sants the product for which ion markings are in accor a Quality Control Progra- and knowing that it is of Source Borton and knowing that it is of Clubbe Cucipe of January	bduct do solemnly declare that the information of the solemnly declare that the information of the solemn solemn, registration is sought. The dimensions, rondence with the herein named standards. The dimension solemn	on contained in this form is true to the best of materials of construction, pressure temperatu I further declare that the manufacture of the loation occurs in whole or in part and has be iske this solemn declaration conscientiously r bath.
Bene Bochnovich nd responsibility for t ny knowledge represe alings, and identificat itlings is regulated by refifed by <u>interfer Testing B</u> relieving it to be true, signature of Declarer: Declared before me at This <u>44</u> day Commissioner of Oath	he quality of the end pro- sants the product for white ion markings are in accor a Quality Control Progra- and knowing that it is of Source to the source of January is (Afilx Official seal to	duct do solemnly declare that the information is sought. The dimensions, rordance with the herein named standards.         an which extends to each plant where fabras being suitable for that purpose and I made under the same force and effect as If made under the same force and effect as If made under the right)         This space for Regulatory Authority use;:22	on contained in this form is true to the best of materials of construction, pressure temperatu I further declare that the manufacture of the location occurs in whole or in part and has be ket this solemn declaration conscientiously r oath.
Barge Bochnovich nd responsibility for t ny knowledge represe atings, and identificat tilings is regulated by entited by <u>transket Testing 5</u> elieving it to be true, signature of Declarer: Declared before me at his <u>1</u> 4 <u>M</u> day commissioner of Oath Dr Notary Public: (sign	he quality of the end pro- sants the product for white ion markings are in accor a Quality Control Progra- and knowing that it is of <u>Clarke Coupe</u> of <u>Clarke Coupe</u> of <u>Clarke</u> (Afilx Official seal to This registration m	duct do solemnly declare that the information is sought. The dimensions, rordance with the herein named standards.         an which extends to each plant where fabras being suitable for that purpose and I made under the same force and effect as if made under the same force and effect as if made under the right)         This space for Regulatory Authority use;??/nust be revaildated after ten (10) yeth and a standard after ten (10) yeth and a standard a standard after ten (10) yeth and a st	on contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be kee this solemn declaration conscientiously roath.
Berge Bochnovich nd responsibility for t ny knowledge represe atings, and identificat tilings is regulated by erified by <u>interfections</u> elieving it to be true, signature of Declarer: Declared before me at his <u>144</u> day commissioner of Oath	he quality of the end pro- sants the product for white ion markings are in accor a Quality Control Progra- and knowing that it is of <u>Clarke Coupe</u> of <u>Clarke Coupe</u> of <u>Clarke</u> (Afilx Official seal to This registration m	aduct do solemnly declare that the information is sought. The dimensions, rordance with the herein named standards. arm which extends to each plant where fabre as being suitable for that purpose and I made under the same force and effect as if made under the same force ander the same force ander the same force and effect as if made unde	on contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be kee this solemn declaration conscientiously roath.
Barge Bochnovich nd responsibility for t ny knowledge represe atings, and identificat tilings is regulated by entited by <u>transket Testing 5</u> elieving it to be true, signature of Declarer: Declared before me at his <u>1</u> 4 <u>M</u> day commissioner of Oath Dr Notary Public: (sign	he quality of the end pro- sants the product for white ion markings are in accor a Quality Control Progra- and knowing that it is of <u>Clarke Coupe</u> of <u>Clarke Coupe</u> of <u>Clarke</u> (Afilx Official seal to This registration m	duct do solemnly declare that the information is sought. The dimensions, rordance with the herein named standards.         an which extends to each plant where fabras being suitable for that purpose and I made under the same torce and effect as If made under the same torce and effect as If made under the right)         This space for Regulatory Authority use; 22 nust be revalidated after ten (10) youth for the fabract.	on contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be ideation occurs in whole or in part and has be ideating to conscientiously of the solern declaration consciention consciention consciention consciention consciention conscilent of the solern declaration consciention cons
Barge Bochnevich         Ind responsibility for t         ny knowledge represe         atings, and identificat         tings is regulated by         etiled by         teaces Testing 5         etileving it to be true,         signature of Declarer:         Declared bofore me at         his       141         Commissioner of Oath         Dr Notary Public: (sign         CRN:       0C163000         FID#:       14967	he quality of the end pro- sants the product for white ion markings are in accor a Quality Control Progra- and knowing that it is of <u>Clarke Coupe</u> of <u>Clarke Coupe</u> of <u>Clarke</u> (Afilx Official seal to This registration m	Aduct do solemnly declare that the information is sought. The dimensions, rordance with the herein named standards. arm which extends to each plant where fabre as being suitable for that purpose and I matin the same force and effect as if made under the right). This space for Regulatory Authority use; "?? nust be revalidated after ten (10) yest for the Labrace and the same force and effect as if made under th	on contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be ske this solemn declaration conscientiously r path. Wilson for the Official Seal Wilson Wilson For the Official Seal Wilson Man faceptance. for 300,50 for 3
Barge Bochnovich nd responsibility for t ty knowledge represe atings, and identificat tilings is regulated by erified by <u>transki resting</u> 5 elieving it to be true, ignature of Declarer: beclared bofore me at his <u>{4</u> ,	he quality of the end pro- sants the product for white ion markings are in accor a Quality Control Progra- and knowing that it is of <u>Clarke Coupe</u> of <u>Clarke Coupe</u> of <u>Clarke</u> (Afilx Official seal to This registration m	duct do solemnly declare that the information is sought. The dimensions, rordance with the herein named standards.         bordance with the herein named standards.         am which extends to each plant where fabras being suitable for that purpose and I made under the same force and effect as if made under the same force and effect as if made under the right)         This space for Regulatory Authority use:         This space for Regulatory Authority use:         Registered Oct (a)         Registered Oct (b)	on contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be ideation occurs in whole or in part and has be ideating conscientiously r path. In the official Seal Manufaceptance. Ior
Berge Bochnovich Ind responsibility for t ny knowledge represe alings, and identificat itings is regulated by terified by tetatek restrags refiled by tetatek restrags refiled by to be true, signature of Declarer: Declared bofore me at his day Commissioner of Oath Dr Notary Public: (sign CRN: OC16300 FID#: 14967 Notes: 1. All Fittings shall be re 2. Each Category shall	he quality of the end pro- sate the product for white ion markings are in accor a Quality Control Progra- antas NA lee and knowing that it is of <u>Clittle Curpe</u> of <u>JChuler</u> of <u>JChuler</u> is <u>Clittle Curpe</u> of <u>JChuler</u> is <u>Clittle Curpe</u> is <u>Clittle Curpe</u> is	anufacturer.       the registration is sought. The dimensions, r         bordance with the herein named standards.         an which extends to each plant where fabr         as being suitable for that purpose and i made         it the same force and effect as if made under         Y.       Notary Public         Commission Equation         Y.       Chrysse S         Notary Public         Commission Equation         the right)         This space for Regulatory Authority use:22         nust be revaildated after ten (10) yeath of the Labrace         Registered Ocilie         anufacturer.	ion contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be idea this solemn declaration conscientiously or oath. Wilson the furthe Official Seal Wilson for the Official Seal
Berge Bochnovich Ind responsibility for t ny knowledge represe atings, and identificat ittings is regulated by terified by transk resting 8 relieving it to be true, signature of Declarer: Declared before me at this day Commissioner of Oath Or Notary Public: (sign CRN: OC16300 FID#: 14967 Notes: 1. All Fittings shall be re 2. Each Category shall and one copy of supp	he quality of the end pro- sents the product for white ion markings are in accor a Quality Control Progra- sentes NA lee and knowing that it is of <u>CULVK CUVP</u> of <u>JGNUKY</u> of <u>JGNUKY</u> (Afits Official seal to This registration m <u>1.5 Rev3</u>	aduct do solemnly declare that the information of the information is sought. The dimensions, roordance with the herein named standards, an which extends to each plant where fabres as being suitable for that purpose and I mater the same force and effect as if made under the same fore	ion contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be idea this solemn declaration conscientiously or oath. Wilson the furthe Official Seal Wilson for the Official Seal
Barge Bochnevich         Ind responsibility for t         nd responsibility for t         ny knowledge represe         atings, and identificat         tings is regulated by         etileving it to be true,         ignature of Declarer:         boctared bofore me at         his	he quality of the end pro- sate the product for white ion markings are in accor a Quality Control Progra- antas NA lee and knowing that it is of <u>Clittle Curpe</u> of <u>JChuler</u> of <u>JChuler</u> is <u>Clittle Curpe</u> of <u>JChuler</u> is <u>Clittle Curpe</u> is <u>Clittle Curpe</u> is	aduct do solemnly declare that the information of the information is sought. The dimensions, rordance with the herein named standards, an which extends to each plant where fabres as being suitable for that purpose and I mater the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the right). This space for Regulatory Authority use; an use the revalidated after ten (10) youth for the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if an effect as if made under the same force and effect as if made under the same force and effect as if an effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same force and effect as if made under the same f	on contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be kee this solemn declaration conscientiously r beth. Wilson for the Official Seal Wilson for the Official Seal
Berge Bochnevich         Ind responsibility for t         Ind responsibility for t         ny knowledge represe         atings, and identificat         tilings is regulated by         readeb Testing 5         believing it to be true,         signature of Declarer:         Declared before me at         this       164/2         day         commissioner of Oath         or Notary Public: (sign         CRN:       0C163000         FID#:       14967         Notes:       1         All Fittings shall be me         and one copy of sup         The Declareries installed	he quality of the end pro saits the product for which ion markings are in accor a Quality Control Progra- and knowing that it is of Source of January of January (Afilx Official seal to This registration m ).5 Rev3	duct do solemnly declare that the information is sought. The dimensions, rordance with the herein named standards.         bridgetation is sought. The dimensions, rordance with the herein named standards.         an which extends to each plant where fabr         as being suitable for that purpose and I made under the same force and effect as if made under the right.         Y.       Chrysse S         AD       Comm. se Commission Equation is the right.         This space for Regulatory Authority use: 27         nust be revalidated after ten (10) youth for the full the Labrace         anufacturer.       Date         ny Declaration forms       Engineering and visp         g full authority and       Registered by UNDER THE AUTHORS	on contained in this form is true to the best of materials of construction, pressure temperate I further declare that the manufacture of the location occurs in whole or in part and has be kee this solemn declaration conscientiously in oath. Wilson - for the Official Seal Wilson - for the Official Seal Wilson - for the Official Seal Manufacture - for the Official Seal
Barge Bochnevich         Ind responsibility for t         Ind responsibility for t         ty knowledge represe         atings, and identificat         tings is regulated by         etileving it to be true,         signature of Declarer:         beclared bofore me at         his	he quality of the end pro saits the product for which ion markings are in accor a Quality Control Progra antas NA, Inc and knowing that it is of <u>Clutke</u> <u>Curpe</u> of <u>Januar</u> (Afilx Official seal to This registration m <u>1.5 Rev3</u> egistared in the name of the Ma be supported with two Statutor to be made by the person having quality of the end product.	duct do solemnly declare that the information is sought. The dimensions, rordance with the herein named standards.         bordance with the herein named standards.         an which extends to each plant where fabr as being suitable for that purpose and I may any Public declare the same force and effect as if made under the same force and effect as if made under the right)         Y.       Motary Public declare that purpose and I may any Public declare the right)         This space for Regulatory Authority use: 22 must be revailed to after ten (10) yeard of the Labrace termination forme         Registered OC16 Date March 7 must be revailed to after ten (10) yeard of the labrace termination forme         g full authority and       Registered by UNDER THE AUTH	on contained in this form is true to the best of materials of construction, pressure temperat I further declare that the manufacture of the location occurs in whole or in part and has be kee this solemn declaration conscientiously in back of the official Seal Method Seal Method Seal Method Section Seal Method Sectors Sect 1.0 - Fillings Rev.2

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Islar Northwest Territorie		Newfoundland and Labrador
Manufacturers Name:	Clark Cooper Division, Mag	natrol Valve Corporation		
Manufacturers Addres				
Plant Locations:				
A Pipe fittings, including co B Flanges: all flanges		itered. Circle one Category Ys, plugs, unions, pipe caps, or re		Title of the Standard of Construction
C Valves: all line valves D Expansion joints, flexible	connections, and hose	assemblies: all types		ASME B16.34
E Strainers, filters, separate	ors, and steam traps			ASME Boiler & Pressure
F Measuring devices, inclu- transmitters	ding pressure gauges,	level gauges, sight glasses, levels	s, or pressure	Vessel Code, Section VIII,
G Certified capacity-rated p bollers, pressure vessels	piping and fusible plug	cceptable as primary over pressu gs nto one of the above categories	re protection on	Div 1
		Class 3 🗆 , (Meeting CNSC or AS		s) Type of Construction
	ana, trauditari, u	<u>, Lugo as it will appear on t</u>	<u>le product</u>	Forged I Welded I Wrought I Cast I Other I Describe other:
List of supporting doc	mentation and Ide	ntification of the actual Item	s to be registe	pred:
Calculations and d	rawing are bein	a provided with this su	hmission to	renew CRN 0C16300.5
my knowledge represents ratings, and identification fittings is regulated by a C verified by <u>Intertek Testing Service</u> believing it to be true, and Signature of Declarer:	uality of the end pro the product for whic markings are in acco uality Control Progra s NA, Inc	h registration is sought. The ordance with the herein named am which extends to each pla	the information dimensions, ma d standards. I funt where fabrications ose and I make	and being the person having full authority n contained in this form is true to the best of aterials of construction, pressure temperature urther declare that the manufacture of these ation occurs in whole or in part and has been a this solemn declaration conscientiously bath.
Declared before me at	ione wope	r, N)	Chryssa S. V	Milson
This <u>IGM</u> day of	January .	AD COLO NO	stary Public Of N	New Jersen
Commissioner of Oaths	R in		Comm. #242	29800
Or Notary Public: (sign	(Affix Official seal to	VI	nmission Expin	es 2/172028
		This space for Regulatory Au	thority use.	NENTON
	This registration m	ust be revalidated after ten (10) y	ears from the dat	te of acceptance.
CRN: 0C16300.5	Rev3		1801	1 Alex
FID#: 14967			O BY	101
			10101	2
Notes: 1. All Fittings shall be registed	ared in the name of the Ma	anufacturer.		0C16300.5Y REV3
2. Each Category shall be s and one copy of supportin	upported with two Statutor g documentation.	y Declaration forms		
3. The Declaration shall be responsibility for the qual	nade by the person having ty of the end product.	g full authority and	/ /DA	TE 03/25/2024
	shall be resubmitted for va	alidation.	10/	Social St. Elitions Ray 2
11/2016			20	For RANGE 10 - Fittings Rev.2

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Nam	e; Clark Cooper Division, Magnali	ol Valvo Corporation	
	ess: 941 Hamilton Avenue, Roeb		
Plant Locations:			
Category A Pipe fittings, including B Flanges; all flanges	of Fittings to be register couplings, lees, elbows, Ys,	rad. Circle one Calegory on plugs, unions, pipe caps, or reduc	Ily <u>Title of the Standard of</u> cers <u>Construction</u>
C Valves: all line valves			ASME B16.34
D Expansion joints, flexil E Strainers, filters, separ	ble connections, and hose as	semblies: all types	ASME Boiler & Pressure
F Measuring devices, Inc	cluding pressure gauges, leve	al gauges, sight glasses, levels, or	v pressure Vessel Code, Section VIII,
transmitters	i omenum millef devicen nors	ptable as primary over pressure p	Div 1
bollers, pressure vess	els, piping and fusible plugs		
H Pressure retaining con	nponents that do not fall into	one of the above categories	
		is 3 🗋 , (Meeting CNSC or ASME	
Show Manufacturers	Name, Trademark, or L	ono as it will appear on the r	product <u>Type of Construction</u> Forged p Welded p Wrought p
1 miles			Cast II Other o
(Lin)			Describe other:
E			
List of supportion do	cumentation and Identi	lication of the actual items to	to be registered:
Calculations and	drawing are being	provided with this such	mission to renew CRN 0C16300.5
Declaration:	f	ployed by Clark Cooper Divi	Islon and being the person having full authority
j Serge Bochnovich	e quality of the end produ	ct do solemniv declare that the	e information contained in this form is true to the dest o
my knowledge represer	his the product for which n	edistration is sought. The dime	nensions, materials of construction, pressure temperatu
ratings, and identification	n markings are in accorda	ance with the herein named sta	tandards. I further declare that the manufacture of the where fabrication occurs in whole or in part and has be
verified by intensit Tasting Sur	Vois NA, Inc 28	which extends to each plant w	e and I make this solemn declaration conscientiously
believing it to be true, a	nd knowing that it is of the	same torce and effect as If m	nade under oath.
	So Bolho	ng -	
Signature of Declarer:	Clark Curer.	L IT	
Declared before me at		2024 Notes	Chryses S. Wilson ry Posito of New January the Official Seal
	or January AD	Notar	ry Poblic of New January Comm. #2429800
Commissioner of Oaths	U. GIAA		nlesion Expires 2/7/2028
Or Notary Public: (sign)			
	(Affix Official seal to the		
	This peristantian must	This space for Regulatory Author be revalidated after ten (10) years	reform the data of accentional
CRN: 0C16300.		the restance of the for ( of ) and	Northwest
CRN: 0010300.	5 Revs	/	Northwest 05.0
FID#: 14967		/	Territories
Notes:		1	REGISTERED
	islered in the name of the Manuf		UNDER THE AUTHORITY OF
2. Each Category shall be and one copy of suppo	e supported with two Stalutory De	claration forms	THE BOILER AND PRESSURE
	rang accumentation. The made by the person having ful	authority and	VESSELACT.
responsibility for the qu	sailty of the end product.		C.R.N. OC 16300.57647
4. Quality Control program	ms shall be resubmitted for valida	don.	SIGNED
11/2018			DATEMBRE 26 2014
	and a second	a a far de statistica a se anticipante a conserva e a farance a se a se a destatistica de se a destatistica de	

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edw Northwest 1		Newfoundland and Labrador
NULIZVUL	TUKOT	Northwest	ernones	
	e: Clark Cooper Division, Mag			
Plant Locations:	CSS; 941 Hamilton Avenue, R	osbling NJ 08554		
	of Fittings to be regis	tered. Circle one C	ategory only	Title of the Standard of
A Pipe fittings, including B Flanges; all flanges	couplings, tees, elbows, h	rs, plugs, unions, pipe	caps, or reducers	Construction
C Valves: all line valves				ASME B16.34
E Strainers, filters, sepa	ible connections, and hose trators, and steam traps			ASME Boiler & Pressure
F Measuring devices, in transmitters	icluding pressure gauges, I	level gauges, sight glas	ses, levels, or pressure	Vessel Code, Section VIII,
G Certified capacity-rate	d pressure relief devices a	cceptable as primary o	ver pressure protection of	n Div 1
H Pressure retaining co	els, piping and fusible plug mponents that do not fall in	IS Ito one of the above ca	tegories	한 집에 있는 것이 있는 것은 가슴을 잡았다.
	Class 1 Class 2 C			ants)
Show Manufacturer	s Name, Trademark, or	Logo as it will app	ear on the product	Type of Construction
1 Com				Forged a Welded a Wrought a Cast II Other a
(45)				Describe other:
List of supporting d	ocumentation and idea	ntification of the ac	tual items to be regi	stered:
Calculations and	drawing are being	g provided with	this submission	to renew CRN 0C16300.5
		0.		
Destantian				
Declaration: Serge Bocknowich	(see note 3)	employed by Clark	Cooper Division	and being the person having full authority
and responsibility for th	ne quality of the end proceeding	duct do solemnly de	clare that the informat	lon contained in this form is true to the best of
my knowledge represe ratings, and identification	nts the product for which on markings are in acco	h registration is soug	ht. The dimensions,	materials of construction, pressure temperature I further declare that the manufacture of these
fittings is regulated by a	a Quality Control Progra	m which extends to	each plant where fab	ication occurs in whole or in part and has been
verified by Internal Teeting Sa	and knowing that it is af	as being suitable for	that purpose and I made	ke this solemn declaration conscientiously
				r odu.
Signature of Declarer:	Claude Composi	LAT		
Declared before me at This GM day	T.	70011	Chrysse	in Affer by the Official Seal
This <u>lun</u> day Commissioner of Oath		AD WEG	Notary Philip J Comm. #	
Or Notary Public: (sign	18 0.11	A- I	Gonganisation Ex	pires 277202s AVUI
Or Notary Public (Sign	(Affix Official seal to t	the right)		Boilers and
T		This space for Rep	uinter galling ity use.	Pressure Vessels Act
	This registration me	ust be revalidated after	ten (10) years from the	date of acceptance.
CRN: 0C16300.	<u>.5 R</u> ev3		RF	GISTERED
FID#: 14967			Ocilla	300-5N Rev 3
Notes:			CRN_000	500 DATE
	gistered in the name of the Ma		Date D3	- 22- 2024
	e supported with two Statutory onlag documentation.	/ Declaration forms		As h.
	be made by the person having	full authority and	Signed	01
	uality of the end product. uns shall be resubmitted for va	Ndation.		Chiefinspector
				Sect 1.0 - Fillings Rev.2
11/2016			Territori	al Registration Fee
		E 1999 par para ana amin'ny sorana amin'ny sorana amin'ny sorana		



Suite 600 - 2889 East 12th Avenue Vancouver, BC V5M 4T5 Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

ATTN: TSSA BPV NATIONAL REGISTRATION	Date:	17-Apr-2024
TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO ON M9W 6N9	TSBC Account #: TSBC Admin Number:	061440 106266
	Canadian Registration Number:	0C16300.51

#### **Re: Application for Design Registration**

The design, as detailed in your Design Portal application 0C16300.5R3 - Clark Cooper Division, Magnatrol Valve Corp for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	Clark Cooper Division, Magnatrol Valve Corp
Project Name:	0C16300.5R3 - Clark Cooper Division, Magnatrol Valve Corp
Drawing #:	scope of registration
Drawing Revision:	N/A

#### Conditions of Registration:

(1)Fitting Registration Expiry Date: 23-Feb-2034 (2) The 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 quality management system lapse before the expiry date indicated above, this registration shall become void.

#### **Reviewer's Notes:**

Any additional conditions of registration stated in the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact eim@technicalsafetybc.ca.

The Engineering Information Management Team



April 13, 2024

TSSA 345 Carlingview Drive Toronto, ON M9W 6N9

## Dear Cecylia Garbacz,

## **Re: Reciprocal CRN Registration in Manitoba**

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, the design reviews conducted and accepted by the Canadian province or territory, or their delegated safety authority, will be mutually recognized in the Province of Manitoba. If a registration is conditionally based on compliance with the notes set by the original issuing Jurisdiction, such compliance shall be applied the same to this Province.

Your submission has been registered, as follows:

File Number:	74-R3975
CRN:	0C16300.54
Scope:	Scope of Registration
Manufacturer:	CLARK COOPER DIV., MAGNATROL VALVE CORP.
Expiry Date:	23 February 2034

Along with this letter is the invoice for registration.

In addition, every Pressure Vessel, Boiler, and Heat Exchanger shall be stamped with the registration number and as required by CSA Code B51, a Manufacturer's Data Report (MDR) must be forwarded to this office immediately at the time a unit is shipped to Manitoba. Send your MDR to <u>gasupport@gov.mb.ca</u>. In your subject line, indicate "*Manufacturer's Data Report-CRN No*." A fee shall be billed to the Manufacturer to process data reports in accordance with the Steam and Pressure Plants Regulation section 17.1.

Please contact <u>gasupport@gov.mb.ca</u> for any questions or concerns.

## Inspection and Technical Services

Labour and Immigration 508 – 401 York Avenue, Winnipeg, MB R3C 0P8 T (204) 945-3373 | F (204) 948-2089



TANYA FRANCIS TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO ONTARIO CANADA M9W 6N9

Direction des équipements sous pression

Fabricant : CLARK COOPER DIVISION, MAGNATROL VALVE 941 HAMILITON AVE ROEBLING NJ USA 08554

Numéro de dossier : 944277 Numéro(s) de dessin(s) : scope of registration 19 jan. 2024

### Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Régie du bâtiment

4 4

)uébec a a

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0C16300.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents

de conception doivent alors être resoumis pour validation;

- Le fabricant doit nous transmettre une copie de la Déclaration de conformité du constructeur (Manufacturer's Data Report) pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Salutations distinguées,

Bureau d'expertise et d'homologation en équipements sous pression

#### Montréal

255, boul. Crémazie Est, 2ième étage Montréal (Québec) H2M 1L5 Téléphone : 514 873-2546 Sans frais : 1 866 262-2084 enregistrementdesplans@rbq.gouv.qc.ca www.rbq.gouv.qc.ca

Montréal, le 30 mai 2024.

TANYA FRANCIS TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO ONTARIO CANADA M9W 6N9

Direction des équipements sous pression

Manufacturer : CLARK COOPER DIVISION, MAGNATROL VALVE 941 HAMILITON AVE ROEBLING NJ USA 08554

OUR REFERENCE : 944277 Design number : scope of registration 19 jan. 2024

#### Subject: Design registration confirmation

Hi,

Régie du bâtiment

\* \*

Duébec a a

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0C16300.56.** 

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the Manufacturer's Data Report to us for each boiler or pressure vessel manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal 255, boul. Crémazie Est, 2ième étage Montréal (Québec) H2M 1L5 Téléphone : 514 873-2546 Sans frais : 1 866 262-2084 enregistrementdesplans@rbq.gouv.qc.ca www.rbq.gouv.qc.ca



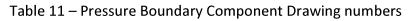
Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org

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

STATUTORY DE Registration of				
	n ratings			
I, Serge Bochnovich, Engineering Manager (Name and Position, e.g. President, Plant N	Annager Chief Engineer)			
of Clark Cooper Division, Magnatrol Valve Corp				
of(Name of Manufactur	er)			
941 Hamilton Avenue, Roebling N I 08554	856-829-4580			
Located at 941 Hamilton Avenue, Roebling NJ 08554 (Plant Address)	(Tolephone No.) (Fax No.)			
✓ do solemnly declare that the fittings listed hereunder, which are su and Pressure Vessels Regulation, comply with all of the requirem ASME B16.34-2013, ASME Boiler & Pressure Vessel Code, Sec	ients of			
(Title of recognized North America	,			
which specifies the dimensions, materials of construction, pressure/temp	erature ratings, identification marking the fittings and service;			
	data which identifies the dimensions, material of construction,			
pressure/temperature ratings and the basis for such ratings, the ma	king of the fitting for identification and service.			
I further declare that the manufacture of these fittings is controlled by a qua which has been verified by the following authority, <u>Interte</u>	k Testing Services NA, Inc			
The items covered by this declaration, for which I seek registration, are category				
this application, the following information and/or test data are attached as follows: The full scope, pressure boundary calcuations, and associated drawing				
(drawings, calculations, lett reports, etc.)				
Declared before me at <u>Clurk Cuper</u> , NJ in the the in the in the AD 20_24.	or Ruebling			
	Chryssa S. Wilson Notary Public of New Jersey Comm. #2429800			
Commissioner for Oaths:	Commission Expires 2/7/2028			
(Printed name)	CRAO			
(Signature)	(Signature of Declarer)			
FOR OFFICE USE	ONLY			
To the best of my knowledge and belief, the application meets the requirement				
Technical Standards and Safety Act, Boilers and Pressure Vessels Regula	tion, and			
CSA Standard B51 and is accepted for registration in Category				
CRN:	au bâtiment Québec 🏘 🐲			
Registered by:	18/04/2024			
Dated:	Perue par la RBO			
NOTE: This registration expires on:				

\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. PV 09553 (04/17) CRN 0C16300.5ADD2 was approved on April 19, 2018 for the following valve items in Table 11. These valves utilize the same valve body and bonnet, and have much lower design pressures. Hence, they easily comply with the calculations within this report.

Valve Item	Machined Valve Body	Machined Bonnet	Bonnet Bolting Thread	Maximum Inlet Design Pressure (psi)
EV-1622-08C-11XX-9-D6	900001-21	400228	5/16-18	100
EV-1621-16C-11XX-9-D6	900039-21	400231	3/8-16	165
EV-1611-32C-11XX-9-D6	900052-21	400135	7/16-14	50





She Bahi

Serge Bochnovich Engineering Manager 856-733-6133 sergeb@magnatrol.com Clark Cooper Division, Magnatrol Valve Corp

January 19, 2024

Attn: Technical Standards & Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9



CRN 0C16300.5 has recently expired. We seek to re-new and retain this CRN. Enclosed is the Clark Cooper Division of Magnatrol Valve Corporation submission for registration and manufacture of non-nuclear category "C" fittings in accordance with the requirements of the Fitting Registration Guidelines (revision January 2023).

## Scope of Registration:

- Rotary Shaft Solenoid Valves, sizes ½", 1", 1.5", 2", and 3", all configurations that use the pressure boundary components listed in this report. See catalog.
- Rotary Shaft Solenoid Valves added via 0C16300.5ADD2 (April 19, 2018)

## Enclosed:

- Statutory Declaration Form (1 original notarized and 1 copy)
- Uniform Statutory Declaration Form for the Registration of Fitting Design
- ISO 9001:2015 Certificate
- Product documentation (component drawings, calculations, catalog data)

# <u>Design Code or Standard</u>

Clark Cooper has designed the referenced rotary solenoid valves in accordance with ASME B16.34-2013 (Valves-Flanged, Threaded, And Welding End). The 2004 ASME Boiler and Pressure Vessel Code, Section VIII, Division 1, was used for the body to bonnet flange thickness calculation.

# Material Specifications:

Valve Body (casting): ASTM A351, Grade CF8M (Group 2.2) Bonnet (casting): ASTM A351, Grade CF8M (Group 2.2) Bolts/Studs: ASTM A193, B8, Class 1



## **REGISTRATION OF A PRESSURE FITTING DESIGN**

March 26, 2024 TSSA 345 Carlingview Dr. Toronto, ON Canada M9W 6N9

**Attention: Cecylia Garbacz** 

File Number: 100602

Re: Manufacturer: Clark Cooper Division, Magnatrol Valve Corp

Item: Rotary Solenoid Valves

Catalog or Drawing: Per Scope of Registration & Supporting Drawings

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

## 0C16300.53 Expiry Date: 2034-02-23

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, P.Eng. Codes and Standards Compliance

**Remarks:** 

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

Conditional upon compliance with the notes on the original TSSA registration.

New Brunswick	Nova Scotia	Prince Edward Island	Newfoundland and Labrador
Nunavut	Yukon	Northwest Territories	
Manufacturers Nar Manufacturers Add Plant Locations: <u>Categor</u> A Pipe fittings, includir B Flanges: all flanges C Valves: all line valve D Expansion joints, fle E Strainers, filters, sep F Measuring devices, in transmitters	ne: Clark Cooper Division, Magr dress: 941 Hamilton Avenue, Ro y of Fittings to be regist og couplings, tees, elbows, Y s xible connections, and hose arators, and steam traps including pressure gauges, le	atrol Valve Corporation eebling NJ 08554 tered. Circle one Category only s, plugs, unions, pipe caps, or reducers	
H Pressure retaining c		s to one of the above categories lass 3 □ , (Meeting CNSC or ASME requirer	ments)
Show Manufacture	rs Name, Trademark, or	Logo as it will appear on the product	t Forged □ Welded □ Wrought □ Cast ■ Other □ Describe other:
List of supporting of	focumentation and iden	tification of the actual items to be reg	gistered:
Calculations and	d drawing are being	provided with this submission	n to renew CRN 0C16300.5
Declaration:		Clark Casaan Division	

I <u>serge Bochnovich</u> (see note 3) employed by <u>Clark Cooper Division</u> and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true 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 herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by <u>Intertek Testing Services NA, Inc</u> as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Salar	
Signature of Declarer:	-
Declared before me at Clurk Couper, NJ	
This 19th day of January AD 2024	1
Commissioner of Oaths	
Or Notary Public: (sign)	
(Affix Official seal to the right)	

Chryssa S, Wilson, o for the Official Seal Notary Public of New Jersey Comm. #2429800 Commission Expires 2/7/2028

	(		
This space for Regulatory Authority use.			
	This registration must be revalidated after ten (10) years from the date of acceptance.		
CR	N:		
FIE	3	<ul> <li>Technical</li> <li>Safety Authority</li> <li>of Saskatchevvan</li> </ul>	
1.	All Fittings shall be registered in the name of the Manufacturer.	Registration No. 0C16300.53	
2.	Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.	File No	
З.	The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.	Date: March 26, 2024	
4.	Quality Control programs shall be resubmitted for validation.	Expiry Date: February 23, 2034	
	11/2016	Codes & Standards Compliance Office	

January 19, 2024

Attn: Technical Standards & Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9

	<ul> <li>Technical</li> <li>Safety Authority</li> <li>of Saskatchewan</li> </ul>	
Registration No	0C16300.53	
File No.	100602	
	Registered	
Date:	March 26, 2024	
Expiry Date:	February 23, 2034	
Codes & Standards Compliance Office		

CRN 0C16300.5 has recently expired. We seek to re-new and retain this CRN. Enclosed is the Clark Cooper Division of Magnatrol Valve Corporation submission for registration and manufacture of non-nuclear category "C" fittings in accordance with the requirements of the Fitting Registration Guidelines (revision January 2023).

## Scope of Registration:

- Rotary Shaft Solenoid Valves, sizes ½", 1", 1.5", 2", and 3", all configurations that use the pressure boundary components listed in this report. See catalog.
- Rotary Shaft Solenoid Valves added via 0C16300.5ADD2 (April 19, 2018)

# Enclosed:

- Statutory Declaration Form (1 original notarized and 1 copy)
- Uniform Statutory Declaration Form for the Registration of Fitting Design
- ISO 9001:2015 Certificate
- Product documentation (component drawings, calculations, catalog data)

# Design Code or Standard

Clark Cooper has designed the referenced rotary solenoid valves in accordance with ASME B16.34-2013 (Valves-Flanged, Threaded, And Welding End). The 2004 ASME Boiler and Pressure Vessel Code, Section VIII, Division 1, was used for the body to bonnet flange thickness calculation.

# Material Specifications:

Valve Body (casting): ASTM A351, Grade CF8M (Group 2.2) Bonnet (casting): ASTM A351, Grade CF8M (Group 2.2) Bolts/Studs: ASTM A193, B8, Class 1



March 18, 2024

Attention: Cecylia Garbacz TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

The design submission, Tracking Number 2024-01478, Web Portal Number 2024-S1043, originally received on March 12, 2024 was surveyed and accepted for registration as follows:

**CRN :** 0C16300.52

Reg Type: RENEWAL

Accepted on: March 18, 2024 Expiry Date: February 23, 2034

Drawing No. : See Scope of registration, CRN renewal

Fitting type: valves

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

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

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction are B16.34 and SECTION VIII, DIV. 1.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.

- 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 or AB-351 Declaration of Conformity 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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 3330 or fax (780) 437-7787 or e-mail Grynchuk@absa.ca.

Sincerely,

YNCHUN

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



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

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

STATUTORY DECL	ARATION		
Registration of Fittings			
L. Serge Bochnovich, Engineering Manager			
(Name and Position, e.g. President, Plant Manager	, Chief Engineer)		
of Clark Cooper Division, Magnatrol Valve Corp			
(Name of Manufacturer)			
Located at 941 Hamilton Avenue, Roebling NJ 08554	856-829-4580		
(Plant Address)	(Telephone No.) (Fax No.)		
do solemnly declare that the fittings listed hereunder, which are subject to the <b>Technical Standards and Safety Act</b> , Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B16.34-2013, ASME Boiler & Pressure Vessel Code, Section VIII, Division 1			
(Title of recognized North American Stand which specifies the dimensions, materials of construction, pressure/temperature	,		
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 9001:2015</u> which has been verified by the following authority, <u>Intertek Testing Services NA, Inc</u> The items covered by this declaration, for which I seek registration, are category <u>"C"</u> type fittings. In support of this application, the following information and/or test data are attached as follows: The full scope, pressure boundary calcuations, and associated drawings are included in this submission.			
(drawings, calculations, test reports, e	etc.)		
Declared before me at <u>Clurk Cuper, NJ</u> in the <u>c</u> the <u>14th</u> day of <u>Janvan</u> AD 20 <u>24</u> . Note	of Ruebling		
the 19th day of Janvan AD 20 24. Nota	Chryssa S. Wilson ry Public of New Jersey		
Commissioner for Oaths: Comm	Comm. #2429800 nission Expires 2/7/2028		
Chryssy Wilson (Printed name) Chryssy Wilson (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, at CSA Standard B51 and is accepted for registration in Category         CRN:         Registered by:         Dated:	ac 2024-01478 ABSA		
NOTE: This registration expires on:			

\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. PV 09553 (04/17)



345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

February 23, 2024

CLARK COOPER DIV., MAGNATROL VALVE CORP. 941 HAMILTON AVE ROEBLING NJ 08554

Workorder Type: Registration - Fitting(Conventional) Workorder No: 14228041 Your Reference No.: RENEWAL OF CRN#0C16300.5 Registered to: CLARK COOPER DIV., 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 : 0C16300.5R3 Main Design No.: scope of registration Expiry Date: Feb 23, 2034

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

## Code of Construction: B16.34 - 2020, ASME Sec VIII-I 2021 Ed - Valves shall be identified by manufacturer's logo or trademark as shown on the drawings

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). 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,

Hone and

Hammad Wasif , M.Eng., P.Eng. Engineer, BPV Tel.: +1 416-734-3441 Email: hwasif@tssa.org

Putting Public Safety First 🔳



Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

STATUTORY DECLARATION			
<b>Registration of Fittings</b>			
I. Serge Bochnovich, Engineering Manager			
(Name and Position, e.g. President, Pla	ant Manager, Chief Engineer)		
of Clark Cooper Division, Magnatrol Valve Corp			
(Name of Manufa	acturer)		
Located at 941 Hamilton Avenue, Roebling NJ 08554	856-829-4580		
(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 ASME B16.34-2013, ASME Boiler & Pressure Vessel Code, Section VIII, Division 1			
(Title of recognized North Ame which specifies the dimensions, materials of construction, pressure/te	,		
or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with			
I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of <u>ISO 9001:2015</u> which has been verified by the following authority, <u>Intertek Testing Services NA, Inc</u> The items covered by this declaration, for which I seek registration, are category <u>"C"</u> type fittings. In support of this application, the following information and/or test data are attached as follows: The full scope, pressure boundary calcuations, and associated drawings are included in this submission. (drawings, calculations, test reports, etc.)			
Declared before me at <u>Clurk Cuper</u> , NJ in	the <u>City</u> of <u>Rueblin</u>		
the 19th day of Janvan AD 20 24. Chryssa S. Wilson Notary Public of New Jersey Commissioner for Oaths:			
(1)	Commission Expires 2/7/2028		
Chryss Wilson (Printed name) Chnyss (Signature)	Signature of Declarer)		
TSSA Registration Notes:	<b>E ONLY</b> Technical StandardsBoilers and Pressure Vessels and Safety Safety Program Authority		
- Code of Construction: B16.34 - 2020,	REGISTERED		
ASME Sec VIII-I 2021 Ed			
- Valves shall be identified by manufacturer's logo or trademark as shown on the drawings	C.R.N.: 0C16300.5R3		
HW February 23, 2024.	Signed: عن من من من المنظلين المنظ		
NOTE: This registration expires on: 2034-FEB-23			

\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. PV 09553 (04/17)