CRN	Approval Date	Expiry Date	Province/Territory	Safety Authority
0C1361.08	21-Jul-17	21-Jul-27	Nova Scotia	ACI Central
0C1361.07	21-Jul-17	21-Jul-27	New Brunswick	ACI Central
0C1361.0	21-Jul-17	21-Jul-27	Newfoundland	ACI Central
0C1361.0Y	21-Jul-17	21-Jul-27	Yukon	ACI Central
0C1361.0T	21-Jul-17	21-Jul-27	NorthWest Territories	ACI Central
0C1361.0N	21-Jul-17	21-Jul-27	Nunavut	ACI Central
0C1361.09	21-Jul-17	21-Jul-27	Prince Edward Island	ACI Central
CSA-0C1547.6	12-Sep-17	12-Sep-27	Quebec	CSA International
CSA-0C1547.6	12-Sep-17	12-Sep-27	Saskatchewan	CSA International
Directive No: D-BP-2	2013-03 Exemption of li	sted valves (categor	y C British Columbia	BC Safety Authority
0C17963.25	6-Sep-17	6-Sep-27	Ontario	Technical Standards and Safety Authority
0C17963.2	6-Sep-17	6-Sep-27	Alberta	Alberta Boiler Safety Authority
0C6907.4	11-Sep-17	11-Sep-27	Manitoba	Manitoba Office of the Fire Commission



Table B Scope of Registration Scope of Registration Summary - Code of construction ASME B31.3

Туре	Actuator	Size	Standard	Drawings		MAWP @ DT [4]	MAWP @ RT [4]	MDMT (°C)
536	Pneumatic	DN 65 - DN150	EN 1092-2	KY148220	Body/Bonnet: A395 60-40-80 UNS F32800 (5.3103) Fasteners: A193 B7M	12.8 bar @ 300 °C	16.0 bar	
536	Pneumatic	DN 65 - DN150	ASME B16.42 CL. 150 RF	KY148220	Body/Bonnet: A395 60-40-80 UNS F32800 (5.3103) Fasteners: A193 B7M	ASME B16.42 Table 1 up to 300 °C	ASME B16.42 Table 1 @ ambient	
536	Pneumatic	DN 65 - DN150	EN 1092-1	KY148220	Body/Bonnet: A351 CF8M UNS J92900 (1.4408) Fasteners: A193 B7M	12.8 bar @ 300 °C	16.0 bar	
536	Pneumatic	DN 65 - DN150	ASME B16.5 CL. 150 RF	KY148220	Body/Bonnet: A351 CF8M UNS J92900 (1.4408) Fasteners: A193 B7M	ASME B16.5 Gr. 2.2 up to 300 °C	ASME B16.5 Gr. 2.2 @ ambient	
536	Pneumatic	DN 50	EN 1092-1	KY148220	Body/Bonnet: A351 CF8M UNS J92900 (1.4408) Fasteners: A193 B7M	29.7 bar @ 300°C	40.0 bar	
534, 530 & 532	Pneumatic	DN 15 - DN 40	EN 1092-1		Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530	29.7 bar @ 300°C	40.0 bar	
534, 530 & 532	Pneumatic	DN 50	EN 1092-1		Body. A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530	11.8 bar @ 300°C	16.0 bar	
534, 530 & 532	Pneumatic	DN 15 - DN 50	ASME B16.5 CL. 150 RF		Body, A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530	ASME B16.5 Gr. 2.2 up to 300 °C	ASME B16.5 Gr. 2.2 @ ambient	-10
534, 530 & 532	Pneumatic	DN 15 - DN 50			Body, A395 60-40-80 UNS F32600 (5.3103) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530	ASME B16.42 up to 300 °C	ASME B16.42 Table 1 @ ambient	
534, 530 & 532	Pneumatic	DN 15 - DN 50	EN 1092-2		Body, A395 60-40-80 UNS F32800 (5.3103) Bonnet: A351 CF8M UNS J92200 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530	12.8 bar @ 300 °C	16.0 bar	
537	Manual	DN 15 - DN 40	EN 1092-1	KY148213 KY167863	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A479 316L UNS S31603 (1.4404)	29.7 bar @ 300°C	40.0 bar	
537	Manual	DN 50	EN 1092-1	KY148213	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A479 316L UNS S31603 (1.4404)	11.8 bar @ 300°C	16.0 bar	
537	Manual	DN 15 - DN 50	ASME B16.5 CL. 150 RF	KY148213	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A479 316L UNS S31603 (1.4404)	ASME B16.5 Gr. 2.2 up to 300 °C	ASME B16.5 Gr. 2.2 @ ambient	
537	Manual	DN 15 - DN 50	ASME B16.42 CL. 150 RF		Body: A395 60-40-80 UNS F32800 (5.3103) Bonnet: A479 316L UNS S31603 (1.4404)	ASME B16.42 Table 1 up to 300 °C	ASME B16.42 Table 1 @ ambient	
537	Manual	DN 15 - DN 50	EN 1092-2		Body: A395 60-40-80 UNS F32800 (5.3103) Bonnet: A479 316L UNS S31603 (1.4404)	12.8 bar @ 300 °C	16.0 bar	

Table B continued.. Scope of Registration Scope of Registration Summary - Code of construction ASME B31.3

				_	tegistration summary - code of construction A			
Type	Actuator	Size	Standard	Drawings		MAWP @ DT [4]	MAWP @ RT [4]	MDMT (°C)
534, 530 & 532	Pneumatic	DN 65 - DN150	EN 1092-1	KY148209 KY167859	Fasteners: A193 B7M	11.8 bar @ 300°C	16.0 bar	
534, 530 & 532	Pneumatic	DN 50	EN 1092-1		Body/Bonnet_A351 CF8M UNS J92900 (1.4408) Bonnet Actuator: A351 CF8M UNS J92900 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530 Fasileners: A193 B7M	29.7 bar @ 300°C	40.0 bar	
534, 530 & 532	Pneumatic	DN 65 - DN150	ASME B16.5 CL. 150 RF	KY148209 KY167859	Fasteners: A193 B7M	ASME B16.5 Gr. 2.2 up to 300 °C	ASME B16.5 Gr. 2.2 @ ambient	-10
534, 530 & 532	Pneumatic	DN 65 - DN150	EN 1092-2	KY148209 KY167859	Fasteners: A193 B7M	12.8 bar @ 300 °C	16.0 bar	
534, 530 & 532	Pneumatic	DN 65 - DN150	ASME B16 42 CL 160 DE		Body/Bonnet_A395 60-40-80 UNS F32800 (5.3103) Bonnet Actuator: A351 CF8M UNS_J92900 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530 Fasteners: A193 B7M	ASME B16.42 Table 1 up to 300 °C	ASME B16.42 Table 1 @ ambient	

### Notes to Table B:

- [1] Item in (Brackets) for reference only.
- [2] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
  [3] Consult GEMU catalogue for specific pressures over temperature ranges. DT-Design Temperature RT-Ambient Temperature
- [4] De-ratings per respective ASME B16.5 table 2.2, & ASME B16.42 table I-1 de-ratings across design temperature range are
- [5] ASME B16.5 Group 2.2 maximum pressure at ambient temperature: 19 bar; maximum pressure at 300°C: 10.2 bar
- [6] ASME B16.42 Table 1 maximum pressure at ambient temperature: 17.2 bar; maximum pressure at 300°C: 10.2 bar
- [7] Actuator types are outside pressure boundary and provided for information only.

## B Scope of Registration Summary - Threaded angle seat globe valves - Code of construction ASME B31.3

Туре	Actuator	Sizes	Process Connection	Drawings	Pressure Retaining Materials	MAWP @ DT [4]	MAWP @ RT [4]	MDMT (°C)	ı
------	----------	-------	--------------------	----------	------------------------------	---------------	---------------	-----------	---

514, 554 & 550	Pneumatic	DN10 - DN80	Female Taper Threaded sockets [2], [4]	Body: A351 CF8M UNS J92900 (1.4408) [1] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	15.4 bar @ 300 C	25 bar	
507	Manual	DN10 - DN80	Female Taper Threaded sockets [2], [4]	Body: A351 CF8M UNS J92900 (1.4408) [1] Bonnet: A479 316L UNS S61603 (1.4404)	15.4 bar @ 300 C	25 bar	
514, 554 & 550	Pneumatic	DN10 - DN50	Female Taper Threaded sockets [2], [4]	Body:B61 C92200 (CC499K) [6] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	13.5 bar @ 200 C	16 bar	-10
514, 554 & 550	Pneumatic	DN65 - DN80	Female Taper Threaded sockets [2], [4]	Body: B61 C92200 (CC499K) [6] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	8.5 bar @ 200 C	10 bar	
550	Pneumatic	DN8 - 15	Female Taper Threaded sockets [2], [4]	<u>Body</u> : A351 CF8M UNS J92900 (1.4408) <u>Bonnet:</u> A479 316L UNS S31603 (1.4404)	15.4 bar @ 200 C	25 bar	
507	Manual	DN8 - 15	Female Taper Threaded sockets [2], [4]	B <u>ody</u> : A351 CF8M UNS J92900 (1.4408) <u>Bonnet:</u> A479 316L UNS S31603 (1.4404)	15.4 bar @ 200 C	25 bar	

### Notes to above table:

- Notes to above table:
  [1] Item in (Brackets) for reference only.
  [2] Tapered Thread types: NPT (ASME 1.20.1); G (DIN ISO 228); Rc (BS 21)
  [3] Consult GEMU catalogue for specific pressures over temperature ranges. DT-Design Temperature RT-Ambient Temperature [4] sizes: 63/8; Rc/NPT/G: 1/2", 3/4", 1", 1 1/4", 1", 2", 2 1/2", 3"
  [5] G3/8 (DN10) not available in C92200 B61

- [2] USJ/8 (DN10) not available in C92200 B61
  [6] Alloy correlation to mechanical properties. Chemical composition proprietary for corrosion resistance.
  [7] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
  [8] Actuator types are outside pressure boundary and provided for information only.

# B Spigot and Bioprocessing ferrule - Angle Seat Globe Valves - ASME B31.3 code of construction

Туре	Actuator	Sizes	Process Connection	Drawings	Pressure Retaining Materials	MAWP @ DT [4]	MAWP @ RT [4]	MDMT (℃)
514, 554, 550 & 555	Pneumatic	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CK20 UNS J94202 (1.4435) [1][7] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554, 550 & 555	15.9 bar @ 300 C	25 bar	
505 & 507	Manual	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CK20 UNS J94202 (1.4435) [1][7] Bonnet: A479 316L UNS S61603 (1.4404)	15.9 bar @ 300 C	25 bar	
514, 554 & 550	Pneumatic	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	15.4 bar @ 300 C	25 bar	
507	Manual	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	15.4 bar @ 300 C	25 bar	
550	Pneumatic	DN6 - DN15	Butt Weld Spigot [8]	KY148211 KY163886	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404)	15.4 bar @ 300 C	25 bar	
507	Manual	DN6 - DN15	Butt Weld Spigot [8]	KY148211 KY163886	<u>Body</u> : A182 F316L UNS S31603 (1.4435) [1] <u>Bonnet</u> : A479 316L UNS S31603 (1.4404)	15.4 bar @ 300 C	25 bar	
514, 554, 550 & 555	Pneumatic	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CK20 UNS J94202 (1.4435) [1][7] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554, 550 & 555			-10
505 & 507	Manual	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CK20 UNS J94202 (1.4435) [1][7] Bonnet: A479 316L UNS S61603 (1.4404) Ferrule: A182 F316L UNS S31603 (1.4435)			
514, 554 & 550	Pneumatic	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 3161 UNS S61603 (1.4404) for Type 554 & 550 Ferrule: A182 F316L UNS S31603 (1.4435)	DN8 to DN40[9]: 25 bar @ 140 C DN50 to DN80[12]:	DN8-DN40: 25 bar DN50-DN80[12]: 16 bar	
507	Manual	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 3161 UNS S61603 (1.4404) for Type 554 & 550 Ferrule: A182 F316L UNS S31603 (1.44435)	16 bar @ 140 C		
550	Pneumatic	DN6 - DN15	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404) Ferrule: A182 F316L UNS S31603 (1.4435)			
507	Manual	DN6 - DN15	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404) Ferrule: A182 F316L UNS S31603 (1.4435)			

### Notes to Spigot and Bioprocessing ferrule - Angle Seat Globe Valves Table above:

- [1] Item in (Brackets) for reference only.
- [2] Ferrules are compatible with ASME B31.3 table 326.1 ASME Bioprocessing Equipment Standard dimensions
- [3] Actuator types are outside pressure boundary and provided for information only.
- [4] Consult GEMU catalogue for specific pressures over temperature ranges. DT-Design Temperature RT-Ambient Temperature

- [5] Alloy correlation to mechanical properties. Chemical composition proprietary for corrosion resistance.
   [6] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
   [7] Ferrule design per ASME B31.3 table 326.1 listed ASME Bioprocessing Equipment (BPE) Standard dimensions & pressures in table DT-2-1.
- [8] Butt Weld Spigot dimensions for EN 10357, Series A; EN ISO 1127 are compatible with ASME B31.3 table 326.1 listed ASME BPE Standard dimensions
- [9] DN40 clamp DIN 32676 series B for tubes EN ISO 1127; length EN 551, series 1 limited to 16 bar
- [10] Ferrule connection integral to spigot.
- [11] For information only: ferrules compatible with clamps (by others) DIN 32676 series A/B for tubes EN ISO 1127; length EN 558, series 1; clamp (external clamp diameter 34.0mm) for tubes EN ISO 1127; length EN 558, series 1 clamp (external clamp diameter 50.5mm) for tubes EN 10357 series A; length EN 558, series 1

clamp (external clamp diameter 25.0mm) for tubes EN 10357 series A

[12] DN80 clamp DIN 32676 series A for tube EN 10357 series A and clamp DIN 32676 series B for tube ISO 1127; length EN 558, series 1, limited to 10 bar

### UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS /NOVA SCOTIA /PRINCE EDWARD ISLAND NEW BRUNSWICK

NUNAVUT	YUKON / NO			
MANUFACTURERS NAM				
MANUFACTURERS ADD	Latter the first Carolin C & P. Vall 1 Committee	Aus Marchel Perres, 1745 - Alomo	Pare AUGS 600 - São José dos Persas - P	Sea Camp
PLANT LOCATIONS:	Emples Control of Charles and Charles	OF CHANGE CHANGE WOMEN S	CPLEO70 Efronen: 1 Ao Jean-Bugan, F-6712	D Dupperparent
	FITTINGS TO BE RECISTERED, CIRCL		TOLLOF, DIE STAYDARD OF CO	ncien i
	couplings, leas, elbows, Ys, plugs, unions, p		ASME BOLD	אפעיטטרונה
n Lraudes: waterdes	populari and a mana, va. progs, analia, p	An only or impossing		
C Valves: all line valves				
u Expersion joins, noxio. E Svainere, Mere, separi	is connections, and hose assemblies: all typelors and steam impro-	pes		1
F Measuring devices, incl	uding pressure gauges, level gauges, sight	Glasses, levels, or		i
prossure transmisers			1	
Dollers, Oressure vesse	pressum relief devices acceptable as prima is, piping and fusible plugs	my over pressure protection on	1	ł
	ponents that do not fall into one of the above	e calegones	1	j
i Nuclear components: C	Class 1 D Class 2 D Class 3 D, [Meeting	CNSC & ASME requirements)		
	NAME TRADEMARK OR LOGO AS IT W		CI DITE OF CONSTRUCTE	
	•		CAN' & STICK BY WHOLE	er D
	GEMU		DESCRIPTION OF THE REST	1
			Machined	
				1
ST OF SUPPORTING D	CUMENTATION AND IDENTIFICATION O	F THE ACTUAL ITEMS TO BE	REGISTERED:	<del></del>
				I
langed globe valve	s type 536, 534, 530, 532, 537	& Threaded angle seal	l valves type 514, 554, 507	7, 550,
U/ & Spigot and fe	rrule angle seat valves type 514	), 554, 550, 555, 505 <i>,</i> 5	07 per Scope of registration	20
ummary SOR-GEN	IU-GV-REVO		· —	1
				1
Matthias Barth	nos employed by	GENED and	being the person having full aud	nondy and
Mathias Barth sponsibility for the qualit	y of the end product do solemnly declar	re that the information contain	ined in this form in true and to the	nonty and
Matthias Barth sponsibility for the qualit howledge represents sperature ratings, and le	y of the end product do solemnly decision the product for which registration is sou tertification markings are in accordance	re that the information containable. The dimensions, mater to with the herein named star	ined in this form is true and to the risks of construction, pressure indards. I further declars that the	o best of
dathias Barth ponsibility for the quality knowledge represents sperature ratings, and le mutacture of these filtin	y of the end product do solemnly docta the product for which registration is sou tertification markings are in accordance gs is regulated by a Quality Control Pro	re that the information containing the that the informations, materials with the heroin named star gram which extends to each	ined in this form in true and to the rials of construction, pressure adards. I further doclare that the plant where fabrication occurs is	e best of
Astrias Barth  ponsibility for the quality  knowledge represents  sperature ratings, and is  mulacture of these filting  n part and has been we	y of the end product do solemnly declar the product for which registration is souteralization markings are in accordance per is regulated by a Quality Control Pro- nifed by TOV Restatent, Sestan 12	re that the information contain ught. The dimensions, mater to with the herein named start gram which extends to each gram which extends to each	ined in this form in true and to thinks of construction, pressure that the ordered that the plant where (abrication occurs in that purpose and I make this so	e best of
dethias Barth ponsibility for the quality knowledge represents speciature ratings, and it mutacture of these lifting in part and has been ve staration conscientiously	y of the end product do solemnly docta the product for which registration is sou tertification markings are in accordance gs is regulated by a Quality Control Pro	re that the information contain ught. The dimensions, mater to with the herein named start gram which extends to each gram which extends to each	ined in this form in true and to thinks of construction, pressure that the ordered that the plant where (abrication occurs in that purpose and I make this so	e best of
Matrius Barth  uponsibility for the quality  knowledge represents  nperature ratings, and it  nperature of these liftin  in part and has been ve  claration conscientiously	y of the end product do solemnly declar the product for which registration is souteralization markings are in accordance per is regulated by a Quality Control Pro- nifed by TOV Restatent, Sestan 12	re that the information contain ught. The dimensions, mater to with the herein named start gram which extends to each gram which extends to each	ined in this form in true and to thinks of construction, pressure that the ordered that the plant where (abrication occurs in that purpose and I make this so	e best of
Matrias Barth sponsibility for the quality knowledge represents mutacture ratings, and it mutacture of these liftin in parl and has been ve claration conscientiously mature of Declarer:	y of the end product do solemnly declar the product for which registration is souterslication markings are in occurriance ges is regulated by a Quality Control Pro nifed by TVV Matchand; Setus 12 y believing it to be true, and knowing the	re that the information contain ught. The dimensions, mater to with the herein named start gram which extends to each gram which extends to each	ined in this form in true and to thinks of construction, pressure that the ordered that the plant where (abrication occurs in that purpose and I make this so	e best of
Matrias Barth sponsibility for the quality knowledge represents in persture ratings, and le anutacture of these liftin in part and has been ve ctaration conscientious) pasture of Declarer: clared before me at	y of the end product do solemnly declar the product for which registration is souterslication markings are in occurriance ges is regulated by a Quality Control Pro nifed by TVV Matchand; Setus 12 y believing it to be true, and knowing the	re that the information contain ught. The dimensions, mater to with the herein named start gram which extends to each gram which extends to each	ined in this form in true and to thinks of construction, pressure that the ordered that the plant where (abrication occurs in that purpose and I make this so	e best of
Matthias Barth  uponsibility for the quality  knowledge represents  mutachure ratings, and le  mutachure of frese liftin  in parl and has been ve  charation conscientiously  mature of Declarer:  chared before me at  s. 2.7	y of the end product do solemnly declar the product for which registration is souterslication markings are in occurriance ges is regulated by a Quality Control Pro nifed by TVV Matchand; Setus 12 y believing it to be true, and knowing the	re that the information contain ught. The dimensions, mater to with the herein named start gram which extends to each gram which extends to each	inted in this form in true and to thinks of construction, pressure malarity. I further declare that the plant where (shirtation occurs in that purpose and I make this so effect as if made under own.  1. DODERER  1. DODERER  1. TODERER  1. TODERER	e best of
Authrias Barth ponsibility for the qualit knowledge represents inperature ratings, and le mutacture of these filtin in part and has been ve daration conscientiously mature of Declarer: Litared before me at a 2 2 day of minissioner of Oetra	y of the end product do solemnly declar the product for which registration is souterslication markings are in occurriance ges is regulated by a Quality Control Pro nifed by TVV Matchand; Setus 12 y believing it to be true, and knowing the	re that the information contain ught. The dimensions, mater to with the herein named start gram which extends to each gram which extends to each	ined in this form in true and to thinks of construction, pressure that the plant where (striction occurs in that purpose and I make this so effect as if made under own.  1. DODERER  1. PODERER	e best of
Justinias Barth ponsibility for the qualit knowledge represents instactine of these filtin in part and has been we tavation conscientiously habire of Declarer: Litared before me at  2 2 day of penissioner of Cettrs	y of the end product do solemnly declar the product for which registration is souteralization markings are in occurriance per is regulated by a Quality Control Pro nifed by TVV Matchand; Setus 12 y believing it to be true, and knowing the	re that the information contain ught. The dimensions, mater to with the herein named start gram which extends to each gram which extends to each	inted in this form in true and to thinks of construction, pressure malarity. I further declare that the plant where (shirtation occurs in that purpose and I make this so effect as if made under own.  1. DODERER  1. DODERER  1. TODERER  1. TODERER	e best of
Justinias Barth ponsibility for the qualit knowledge represents instactine of these filtin in part and has been we tavation conscientiously habire of Declarer: Litared before me at  2 2 day of penissioner of Cettrs	y of the end product do solemnly declar the product for which registration is southerstication markings are in accordance per larguistication markings are in accordance for infeed by TOV Rodunbard, Sedan 12 you believing it to be true, and knowing the fathlias Batth IV III ALIGN TO CITY ALIGN TO CITY ALIGN TO CITY AND TO TO C	re that the information contained with the dimensions, makes to with the herein named star gram which takends to each as being suitable for at it is of the same force and the same forc	ined in this form in true and to the initials of construction, pressure nearest form of the plant where (abrication occurs in that purpose and I make this so effect as if made under own.  17. DODERER  19. IPOINT LEGITER AND PRINTED TO THE POINT AND PROPERTY OF THE POINT AND PRINTED TO THE POINT	e best of
Matthias Barth  Iponsibility for the quality  Iponsibility for the quality  Inouvedge represents  Inperature ratings, and le  Inutacture of these lifetin  In part and has been we  claration conscientiously  Inature of Declarer:  Included before me at  Insert day of  Immissioner of Oeths  Notary Public: (sign)	y of the end product do solemnly decta the product for which registration is south the product for which registration is south the product for which registration is south the product by a Quality Control Pro- nified by YOM Rhadnhard; Sedan 12 y believing it to be true, and knowing the testings. Barth IV M ALIQUE TO SOLET (Affect Official seal to the right)  This space to Reg	re that the information contained spirit. The dimensions, makes to with the herein named star gram which todands to each as being suitable for at it is of the same force and My Co.  My Co.  Suitabury Authority use A.C.C.	ined in this form in true and to thinks of construction, pressure indiants. I further declare that the plant where tabrication occurs in that purpose and I make this so effect as if made under own.  Y. DODERER IN THE PROPERTY OF THE PORTION OF TH	e best of
Matthias Barth sponsibility for the quality knowledge represents in perdure ratings, and le anutacture of these littin in parl and has been ve charation conscientiously pashure of Declarer: chared before me at is 22 day of manisasioner of Oeths Notary Public: (sign)	y of the end product do solemnly declar the product for which registration is south the product for which registration is south the product for which registration is south the solemnic form of the product of the prod	re that the information contained shift of the herein named star gram which extends to each as being suitable for at it is of the same force and My Co.  My Co.  Suitable Authority use A CCI ren (10) years from the first	ined in this form in true and to thinks of construction, pressure indiants. I further declare that the plant where tabrication occurs in that purpose and I make this so effect as if made under own.  Y. DODERER IN THE PROPERTY OF THE POPULATION OF	e best of
Matthias Barth  sponsibility for the quality knowledge represents rettings, and le mutacture of frese littin in part and has been we charation conscientiously maker of Declarer.  chared before me at a six 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	y of the end product do solemnly declar the product for which registration is south the product for which registration is south the product for which registration is south the solemnic form of the product of the prod	re that the information contained shift of the herein named star gram which extends to each as being suitable for at it is of the same force and My Co.  My Co.  Suitable Authority use A CCI ren (10) years from the first	ined in this form in true and to thinks of construction, pressure indiants. I further declare that the plant where tabrication occurs in that purpose and I make this so effect as if made under own.  Y. DODERER IN THE PROPERTY OF THE POPULATION OF	e best of
Matthias Barth  uponsibility for the quality  knowledge represents  nperature ratings, and le  mutacture of these fittin  in parl and has been ve  claration conscientiously  pathere of Declarer: A  clared before me at  is 2 2 day of  menissioner of Cests  monissioner of Cests  monissioner of Cests  Th  Th  Th  TRN: OC1361. (	y of the end product do solemnly declar the product for which registration is south the product for which registration is south the product for which registration is south the solemnic form of the product of the prod	re that the information contained the informations, makes to with the herein named star gram which extends to each as being suitable for at it is of the same force and My Co.  My Co.  My Co.  PROVINCE OF THE INC.	ined in this form in true and to thinks of construction, pressure made of construction, pressure that the plant where tabication occurs in that purpose and I make this so effect as if made under own.  Y. DODERER WAR TOO TOO TOO TOO TOO TOO TOO TOO TOO TO	e best of
Matthias Barth  sponsibility for the quality  knowledge represents  nperature ratings, and le  mutacture of these liftin  in part and has been ve  charation conscientiously  mature of Declarer: A  chared before me at  s 2 2 day of  mutacture of Oestra	y of the end product do solemnly declar the product for which registration is south the product for which registration is south the product for which registration is south the solemnic form of the product of the prod	re that the information contained the informations, makes to with the herein named star gram which extends to each as being suitable for at it is of the same force and My Co.  My Co.  My Co.  PROVINCE OF THE INC.	ined in this form in true and to thinks of construction, pressure made of construction, pressure that the plant where tabication occurs in that purpose and I make this so effect as if made under own.  Y. DODERER WAR TOO TOO TOO TOO TOO TOO TOO TOO TOO TO	e best of
Matthias Barth  Iponsibility for the quasit  Iponsibility for the quasit  Iponsibility for the quasit  Iponsibility for the quasit  Inpart and has been vectorations of these fittin  In part and has been vectorations on conscientiously  Inabure of Declarer: A  Island before me at  Island before me at  Island before me at  Island before (sign)  The  IRN: OC1361 (	y of the end product do solemnly declar the product for which registration is south the product for which registration is south the product for which registration is south the solemnic form of the product of the prod	The trial the information contained the information contained with the herein named star gram which extends to each as being suitable for at it is of the same force and My Co.  Guardiany Aurocenty use ACCE from the 130 years to 140 HAM.  C.R.N. C.S.C.	ined in this form in true and to thinks of construction, pressure made of construction, pressure that the plant where tabication occurs in that purpose and I make this so effect as if made under own.  Y. DODERER WAR TOO TOO TOO TOO TOO TOO TOO TOO TOO TO	e best of
Matthias Barth  uponsibility for the quality  knowledge represents  represent ratings, and le  mutacture of these filtin  in part and has been ve  charation conscientiously  mature of Declarer: A  chared before me at  s 2 2 day of  mutacture of Oestra  mutactur	y of the end product do solemnly declar the product for which registration is south the product for which registration is south the product for which registration is south the solemnic form of the product of the prod	re that the information contained the informations, makes to with the herein named star gram which extends to each as being suitable for at it is of the same force and My Co.  My Co.  My Co.  PROVINCE OF THE INC.	ined in this form in true and to thinks of construction, pressure made of construction, pressure that the plant where tabication occurs in that purpose and I make this so effect as if made under own.  Y. DODERER WAR TOO TOO TOO TOO TOO TOO TOO TOO TOO TO	o best of
Matthias Barth  Iponsibility for the quasility  Iponsibility for the quasility  Incovidedge represents  Inperature ratings, and le  Insulation of these littin  In part and has been we  charation conscientiously  Inabure of Declarer: _A  Ichared before me at  Is	y of the end product do solemnly declar the product for which registration is acute for product for which registration is acute for militation markings are in accordance as is regulated by a Quality Control Provided by YUN Rhetenberg Series 12 y believing it to be true, and knowing the lattices. Barth 1/ // // // // // // // // // // // //	The trial the information contained the information contained with the herein named star gram which extends to each as being suitable for at it is of the same force and My Co.  Guardiany Aurocenty use ACCE from the 130 years to 140 HAM.  C.R.N. C.S.C.	ined in this form in true and to thinks of construction, pressure made of construction, pressure that the plant where tabication occurs in that purpose and I make this so effect as if made under own.  Y. DODERER WAR TOO TOO TOO TOO TOO TOO TOO TOO TOO TO	e best of
Matthias Barth  Liponsibility for the quasit  Inportating represents  In part and has been ve  charation conscientiously  matter of Declarer:  Chared before me at  a 2 2 day of  mattery Public: (sign)  The  Charation conscientiously  Mattery Public: (sign)  The  Charation conscientiously  All Misegs about the register  and and copy of support  matter and one copy of support	y of the end product do solemnly declar the product for which registration is accordance to product for which registration is accordance to its regulated by a Quality Control Po- rified by YON Rhetenhard; Seetas 12 y believing it to be true, and knowing the fauthlas Banth (V)  AD 20/2  (Alfar Official seal to the right)  This space for Registration must be revalidated after  and in the name of the Albert facturer, appointed with two Statutory Declaration  ding disconsestation.	The time information contained. The dimensions, materials with the increase named star gram which endends to each at it is of the same force and it is of the same force and My Co My Co My CO MY COMMUNITIES, LA COMMUNITIES, LA DATE:	ined in this form in true and to thinks of construction, pressure maderds. I further declare that the plant where submarion occurs in that purpose and I make this so effect as if made under cash.  If DODERER WAS BOOKER TO THE TOO THE	e best of
knowledge represents in mperature ratings, and it amutacture of these lifting in par) and has been we charakton conscientiously pasture of Declarer:  actared before me at its	y of the end product do solemnly declar the product for which registration is acu- the product for which registration is acu- the product for which registration is acu- ps is regulated by a Quality Control Pro- rified by YOV Rheterback, Settes TR y believing it to be true, and knowing the fastibles Barth IV  AD 20/2  (Affer Official seaf to the right)  This space for Re- is repistration must be rewall dated affect  red in the name of the Manufacturer, provide with two Standary Declaration right of the person having foll authority and	The time information contained. The dimensions, makes a with the inerest named star gram which endends to each as being suitable for at it is of the same force and My Co My My Co M	ined in this form in true and to thinks of construction, pressure maderds. I further declare that the plant where submarizing occurs in that purpose and I make this so effect as if made under count.  If DODERER WARD INC. TO DEEP WARD THINK EDGREEN AND THE PURPOSE OF THE PROPERTY OF THE PURPOSE OF THE PURP	e best of
Matthias Barth  Iponsibility for the quality  Innowledge represents  Inperature ratings, and le  Introduce of these fiftin  In part and has been we  charation conscientiously  Inabure of Declarer: A  chared before me at  In 2 2 day of  Interpretation Contra  Public: (sign)  The  All fittings abuil he register  Each category shall be as  Insure and one copy of suppo-  The declaration shall be in  Iponsibility for the quality of	y of the end product do salemnly declar the product for which registration is acu- the product for which registration is acu- tive product for which registration is acu- post is regulated by a Quality Control Pro- infied by YON Rhetenberg Series 12 y believing it to be true, and knowing the faithlas Barth IV AD 2017  (Affar Official seal to the right)  This space to Re- is registration must be rewalldated affect  is registration must be rewalldated affect  and in the name of the Manufacturer, promise with one Stantony Declaration ring documentation.  sale by the person having full authority and the end product.  If the end product.	The time information contained. The dimensions, makes a with the inerest named star gram which endends to each as being suitable for at it is of the same force and My Co My My Co M	ined in this form in true and to thinks of construction, pressure maderds. I further declare that the plant where submarion occurs in that purpose and I make this so effect as if made under cash.  If DODERER WAS BOOKER TO THE TOO THE	e best of

# UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

This 27 day of Ane AD 2017 Octafyl Politic Geral Constitution of the Constitution of t	NEW BRUNSWICK NUNAVUT	YNOVA SCOTIA	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	✓ NEWFOUNDLAND AND LABRADOR	
MANUFACTURERS ADDRESS: For Marker Place 18 August 1, 19 A	MANUFACTURERS NAM	AE: GEMU Gebr. Müller Apparalebau Gmb	A Co. NG, GEMU INDUSTRIA DE PRODUTOS PLAS	STICOS E METALURGICOS LTDA ; GEMU Valves, Inc.;	ı
PLANT LOCATIONS: Certification of the process of the state of the process of the		Four-Miller-Strate 6-8, D-74653	Ingerlingen; Rus Marechai Hermes, 1745 - Alonso Per	a 63065-000 - São José dos Pinhais - PR; 3800 Camp	ĺ
EATEGORY OF FITINGS 10 BE REGISTERED. CIRCLE ONE CATEGORY ONLY  A Play filings, hadding couplings, lees, ebows, Ys, plays, unloss, pips cape, or reducers  B Finges: all fanges  C Valvas: all has valves  D Expansion joints, feable connections, and shoes assemblies: all types  E Strainers, filings, appealents, and statem traps  F Interesting devices, including pressure gauges, keyl gauges, kiphly glasses, levels, or  C Certified appeal, relied pressure in still devices acceptable as primary over pressure protection on bollers, pressure vessels, playing and fisable plays  I Pressure intelling components that do not fall into one of the above categories  N Nuclear components. Class 1 © Class 2 © Class 3 DI, (Meeting CNSC or ASME requirements)  SHOW MANUFACTURERS NAME TRADEMARK OR LOGO AS IT WILL APPEAR ON THE PRODUCT  Front of Orthon or Control or Control of Orthon or Control or		Fritz-Motor-Straße 6-8. D-74653 Impetings	en: Rue Marechal Hermes, 1745 - Alonso Pena 83065-	000 - São José con Penhais - PR: 3800 Como	
B Finges: at Earopes  Of Valvas: all Services  D Expansion joints, feebble connections, and hose assembles: all types  E Sinshare, filter, appearson, and steem traps  F Measuring devices, including preasure pauges, keyl gauges, kiphl glasses, keyls, or  O Certified appearson, and steem traps  F Measuring devices, acceptable as primary over pressure protection on balers, pressure vessels, plying and fisable plugs  N Muclear components. Class 1 © Class 2 © Class 3 D, (Meeting CNSC or ASME requirements)  SHOW MANUFACTURERS NAME TRADEMARK OR LOGO AS IT WILL APPEAR ON THE PRODUCT  FROM THE PROPERTY OF THE ACTUAL ITEMS TO BE REGISTERED:  Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Spigot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMÜ-GV-REVO  DECLARATION:    Maritias Barth   Class According to the end product do solemnly 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 railings, and identification makings are in accordance with the herein manufacture of these filtings is regulated by a Quality Control Program which eriends to each plant where fabrication occurs in whole or in part and his been varified by		FITTINGS TO BE REGISTERED.	CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION	
G Valves: all five valves  E Stinalors, filters, separators, and stem traps  F Messuring desires, including pressure gauges, sign glasses, levels, or  G Certified capacity-instell pressure resid devices acceptable as primary over pressure protection on  Dollers, Plessure vessels, piping and hastibe piping  H Pressure retaining components that do not fall into one of the above categories  N Nuclear components: Clear 10 Clear 2 (Clear 3 Clear 3 Cl., (Meeting CNSC or ASME requirements)  SHOW MANUFACTURERS NAME. TRADEMARK. OR LOGO AS IT WILL APPEAR ON THE PRODUCT  SHOW MANUFACTURERS NAME. TRADEMARK. OR LOGO AS IT WILL APPEAR ON THE PRODUCT  SOT 8 Splgot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration  SUmmary SOR-GEMÜ-GV-REVO  DECLARATION:  I Methias Berth		couplings, lees, elbows, Ys, plugs,	unions, pipe caps, or reducers	E ICB 3M2A	
D Espansion joints, facilities connections, and hose assemblies: all types  E Strainans, fliars, asperators, and steam traps  F Messuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure straining and strains plays  F Messuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure protection on continuous plays  N Muclear components: Class 1 D Class 2 D Class 3 D, (Meeting CNSC or ASME requirements)  SHOW MANUFACTURERS NAME. TRADEMARK, OR LOGO AST WILL APPEAR ON THE PRODUCT  LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REQISTERED:  Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 557, 550, 507 & Splgot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMU-GV-REVO  DECLARATION:  I Matrias Barth  I Mat				}	i L
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure instantinaminars G Certified capacity-lated pressure resid devices acceptable as primary over pressure protection on botter, pressure installing components class 10. Class 2 D. Class 2 D. (Meeting CMSC or ASME requirements)  SHOW MANUFACTURERS NAME. TRADEMARK. OR LOGO AS IT WILL APPEAR ON THE FRODUCT  LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED.  Flanged globe valvies type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Splgot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMÜ-GV-REVO  DECLARATION:  I Matrias Barth  I Matrias Barth	D Expansion joints, flexib		es: all types		
poissure irranmities of Certified operation relief devices acceptable as primary over pressure protection on boliers, pressure vessels, phings and traits be plugs.  If Pressure relating components that do not fall into one of the above categories.  IN Nuclear components. Class 1 D. Class 2 D. Cla			es, sight glasses, levels, or	1	
bollers, pressure vessels, plains and fusible plays  It Pressure intelling compenents had do not fall into one of the above categories  N Nuclear components: Class 1 Class 2 Class 3 D. (Meeting CHSC or ASME requirements)  SHOW MANUFACTURERS NAME. TRADEMARK OR LOGO AS IT WILL APPEAR ON THE PRODUCT  SHOW MANUFACTURERS NAME. TRADEMARK OR LOGO AS IT WILL APPEAR ON THE PRODUCT  SOLVE AND CONTROL OF THE ACTUAL ITEMS TO BE REGISTERED:  Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Splgot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMÜ-GV-REVO  DECLARATION:  I Metribus Barth  I Matribus Barth	pressure transmitters				
Notes:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered by the paranch whire glue authority and the registered in the name of the Manufactures:  Notes: 1. Add fittings shall be registered by the paranch whire shall prove the registered in the name of the Manufactures:  Notes: 1.			as primary over pressure protection on		
ESHOW MANUFACTURERS NAME. TRADEMARK OR LOGO AS IT WILL APPEAR ON THE PRODUCT  For CONSTRUCTION  FOR CONSTRUCTION  FOR CONSTRUCTION  FOR CONSTRUCTION  FOR CONSTRUCTION  FOR CONSTRUCTION  FOR SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:  Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Spigot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration  Summary SOR-GEMÜ-GV-REVO  DECLARATION:  I Matthias Berth  I Matthias Be		•		1	
LIST OF SUPPDATING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:  Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Spligot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMÜ-GV-REVO  DECLARATION:  I Matthias Barth  I Matthias Bart					
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:  Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Splgot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMU-GV-REVO  DECLARATION:  I Matthias Barth  I Matthias Barth	SHOW MANUFACTURER	8 NAME, TRADEMARK, OR LOGO	AS IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:  Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Splgot and ferrule angle seat valves type 514, 554, 550, 555, 505, 505, 507 per Scope of registration summary SOR-GEMÜ-GV-REVO  DECLARATION:  I Matthias Barth  I Matthias				CAST OTHER S	
Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Splgot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMÜ-GV-REVO  DECLARATION:    Matthias Barth		GEMU			
Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Splgot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMÜ-GV-REVO  DECLARATION:    Matthias Barth					
DECLARATION:    Matthias Barth   (Name 700 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 and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature railings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these filtings 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 100 Rhethland: swires 12 as being autitable for that purpose and I make this solern declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  Signature of Declarer: Matthias Barth 1/2 April	LIST OF SUPPORTING D	OCUMENTATION AND IDENTIFIC	ATION OF THE ACTUAL ITEMS TO BE R	EQISTERED:	
DECLARATION:    Matthias Barth   (Name 700 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 and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature railings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these filtings 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 100 Rhethland: swires 12 as being autitable for that purpose and I make this solern declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  Signature of Declarer: Matthias Barth 1/2 April					
DECLARATION:    Matthias Barth   Matthias   Matthias Barth   Matthias   Matthias Barth   Ma	Flanged globe valve	es lype 536, 534, 530, 53	2, 537 & Threaded angle seat v	alves type 514, 554, 507, 550,	
DECLARATION:    Matthias Barth	507 & Spigot and le	errule angle seat valves ty	pe 514, 554, 550, 555, 505, 50	7 per Scope of registration	
Matthias Barth   Matt	Summary SOR-GER	VIU-GV-REVU			
Matthias Barth   Matt	i				
Matthias Barth   Matt				ŀ	
Matthias Barth   Matt					
Matthias Barth   Matt	DECLARATION:				
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 filtings 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 TOV Rhelatand; swiss 13 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.  Signature of Declarer: Matthias Barth IV  Declared before me at A + O + O + O + O + O + O + O + O + O +	Matthias Barth		98/10 Ut	eing the person having full authority and	
temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these filtings 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 TOV Rheinfand; swise TS 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.  Signature of Declarer: Matthias Badh IV  Declared before me at A + I O + I					
manufacture of these fillings 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 TV Rheinland; Swiss T3 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.  Signature of Declarer: Matthias Barth IV  Declared before me at AHODTO AD This 27 day of AND AD					
declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  Signature of Declarer: Matthias Barth 11/  Declared before me at A+100 to A  This 27 day of A NO AD 70/7  Commissioner of Oaths or Notary Public: (sign)  This registration must be revalidated after ten (10) wear from the date Manageplance.  CRN: 0C1361.0  FID#: 1807  C.RN. 0C1361.08  Notas:  1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and 1 of 1					
Signature of Declarer: Matthias Barth 11/10  Declared before me at A+Onto Cft  This 2 - day of And AD 2017  Commissioner of Oaths or Notary Public: (sign)  (Affix Official seal to the right)  This registration must be revalidated after ten (10 years from the date Macceptance.  CRN: OC1361.0  FID#: 1807  CRN. OC1361.08  Notas:  1. All fittings shall be registered in the name of the Manufacturer. 2. Each calegory shall be supporting documentation. 3. The declaration shall be made by the person having full authority and 1 of 1				net purpose and I make this solemn flect as if made under gath	unije,
Declared before me at A+100 to This 2 day of And AD 2017  Commissionar of Oaths or Notary Public: (sign)  This space for Regulatory Authority are SSUP This registration must be revalidated after ten (by day from the date by acceptance.  CRN: OC1361.0  FID#: 1807  CRN. OC1361.08  Notes:  1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Decisration forms and one copy of supporting documentation. 3. The deciaration shall be made by the person having full authority and 1 of 1		1.14		WE STANKER	
This 27 day of AND AD 2017  Commissioner of Oaths or Notary Public: (sign)  This space for Regulatory Authority and South Sout	Signature of Declarer:	Matthias Barth IV / A		o de la companya della companya della companya de la companya della companya dell	1 . L.
Commissioner of Oaths or Notary Public: (sign)  (Affix Official seaf to the right)  This space for Regulatory Automit one SSURE This registration must be revalidated after ten (10 years) from the late the exceptance.  CRN: OC1361.0  FID#: 1807  CRN. OC1361.08  Notes:  1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Decisration forms and one copy of supporting documentation. 3. The deciaration shall be made by the person having full authority and	Declared before me at	Atlanta Cit	- I I I I I I I I I I I I I I I I I I I	PODER TO THE POOR	3.6
CRN: OCI361.0  FID#: 1807  Notes:  1. All fittings shall be registered in the name of the Manufacturer.  2. Each category shall be supported with two Statutory Decignation.  3. The declaration shall be made by the person having full authority and the control of the Manufacturity and the category shall be made by the person having full authority and the category shall be made by the person having full authority and the category shall be made by the person having full authority and the category shall be made by the person having full authority and the category of supporting documentation.	This day of	Anne_AD_/			
This space for Regulatory Authority and SSUP This registration must be revalidated after ten 10 years from the late the proceptance.  CRN: OC1361.0  FID#: 1807  CRN. OC1361.08  Notes:  1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Decisration forms and one copy of supporting documentation.  3. The deciaration shall be made by the person having full authority and 1 of 1	Commissioner of Oaths	1000	/ 11# 1 # 1 # 1 # 1		and the
This space for Regulatory Authority and SSUP This registration must be revalidated after ten (10) years from the date by acceptance.  CRN: OC1361.0  FID#: 1807  CRN. OC1361.08  Notes:  1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Decisration forms and one copy of supporting documentation.  3. The decisration shall be made by the person having full authority and 1 of 1	or Notary Public: (sign)		As a second seco	419,2018	64.50
CRN: OC1361.0  FID#: 1807  C.R.N. OC1361.08  Notes:  1. All fittings shall be registered in the name of the Manufacturer.  2. Each calegory shall be supported with two Statutory Decisration forms and one copy of supporting documentation.  3. The declaration shall be made by the person having full authority and 1 of 1		(Altix Uttical seat to the right)		Since of	A O
CRN: OC1361.0  FID#: 1807  C.R.N. OC1361.08  Notes:  1. All fittings shall be registered in the name of the Manufacturer.  2. Each calegory shall be supported with two Statutory Decisration forms and one copy of supporting documentation.  3. The declaration shall be made by the person having full authority and 1 of 1	·	This spa Indevention must be revalidated	aled after ten (Missaure Country delle	Marcentance	
FID#: 1807  C.R.N. OC 1361.08  Notes:  1. All fittings shall be registered in the name of the Manufacturer.  2. Each calegory shall be supported with two Statutory Decieration forms and one copy of supporting documentation.  3. The declaration shall be made by the person having full authority and	ł	the regionalist the reverse	A STATE OF THE STA	SEL STATE	115,00
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Decisration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and  1. of 1	CRN: 0C1361.	0	SV HOLSOILA	781	
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Decignation forms and one copy of supporting documentation. 3. The decignation shall be made by the person having full authority and  C.R.N. OC1361.08  Dwg. as described  Signed Transacturer.  1 of 1	FID#: 1807			170	•
Notes:  1. All fittings shall be registered in the name of the Manufacturer.  2. Each category shall be supported with two Statutory Decisration forms and one copy of supporting documentation.  3. The declaration shall be made by the person having full authority and			C.R.N. OC 1361.09	3	
1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Sistutory Decisration forms and one copy of supporting documentation. 3. The decisration shall be made by the person having full authority and	Notes:	•	1		
forms and one copy of supporting documentation.  3. The declaration shall be made by the person having full authority and 1 of 1			21. P	N. 1	
N. 19. A. 11 19 A. 10			Signed Thronke 130	<del></del>	
4. Quality control grams shall be resubmitted for validation at a maximum interval of five (5) years.  Part  Part  Part  Part  REGULATION  Sect. 1.0 - Fittings Rev. 1 06/2003				/)	
at a maximum interval of five (5) years. Sect. 1.0 · Fittings Rev. 1 06/2003			Parl _	15 /	
			& REGULATI	Sect. 1.0 - Fittings Rev. 1 06/2003	

CATEGORY OF I  A Pipe fittings, including co B Flanges: all flanges C Valves: all fine valves D Expansion joints, flexible E Strainers, filters, separate F Measuring devices, includ pressure transmitters G Certified capacity-rated p boilers, pressure vessels H Pressure retaining compt N Nuclear components: Cla	GEMÜ GmbH.: INTERCARAT France S SS: Fints-Müller-Straße 6-8, 0-74633 SS: Creek Parkway Bldg. 2600, Suite mitz-Müller-Straße 6-8, 0-74653 ingelfing- reek Parkway Bldg. 2600, Suite 120, Alia ITTINGS TO BE REGISTERED. uplings, tees, elbows, Ys, plugs, u connections, and hose assemblings, and steam traps ing pressure gauges, level gauge ressure relief devices acceptable	Ingefingen; Rua Marechai Hermes, 1745 - Alonso Penal 2. 120, Atlenta, GA 30331, USA, CH-6343 Rotkreuz, CH-60: en; Rua Marechai Hermes, 1745 - Alonso Pena 83065-000 nta, GA 30331, USA, CH-6343 Rotkreuz, CH-6020 Emmer CIRCLE ONE CATEGORY ONLY unions, pipe caps, or reducers es: all types	83065-000 - São José dos Pinhais - PR: 3800 Camp 20 Emmen: 1 rue Jean-Bugatti, F-67120 Duppigheim 0 - São José dos Pinhais - PR: 3800 Camp	]
PLANT LOCATIONS:  CATEGORY OF S  A Pipe fittings, including co B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible E Strainers, filters, separate F Measuring devices, includer pressure transmitters G Certified capacity-rated publiers, pressure vessels H Pressure retaining compt N Nuclear components: Cla	First-Müller-Straße 6-8, D-74653  First-Müller-Straße 6-8, D-74653 Ingelfinitz-Müller-Straße 6-8, D-74653 Ingelfinitz-Müller-Straße 6-8, D-74653 Ingelfinitz-Müller-Straße 6-8, D-74653 Ingelfinitz-Müller-Straße 6-8, D-74653 Ingelfinitz-Müller-Berkway Bidg, 2600, Suite 120, Allai ITTINGS TO BE REGISTERED.  John Straße 120, John S	Ingefingen; Rua Marechai Hermes, 1745 - Afonso Pena I 120, Atlanta, GA 30331, USA, CH-6343 Rotkreuz, CH-602 en; Rua Marechai Hermes, 1745 - Afonso Pena 83065-000 nta, GA 30331, USA, CH-6343 Rotkreuz, CH-6020 Emmer CIRCLE ONE CATEGORY ONLY unions, pipe caps, or reducers es: all types es, sight glasses, levels, or	20 Emmen; 1 rue Jean-Bugatti, F-67120 Duppigheim 0 - São José dos Pinhais - PR, 3800 Camp n, 1 rue Jean-Bugatti, F-67120 Duppigheim TITLE OF THE STANDARD OF CONSTRUCTION	]
PLANT LOCATIONS:  CATEGORY OF S  A Pipe fittings, including co B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible E Strainers, filters, separate F Measuring devices, includer pressure transmitters G Certified capacity-rated publiers, pressure vessels H Pressure retaining compt N Nuclear components: Cla	ntz-Muller-Straße 6-8, D-74653 Ingelfing reek Parkway Bidg, 2600, Suite 120, Allai ITTINGS TO BE REGISTERED. uplings, tees, elbows, Ys, plugs, in connections, and hose assemblings, and steam traps ing pressure gauges, level gauge ressure relief devices acceptable piping and fusible plugs	en; Rua Marechal Hermes, 1745-Afonso Pena 83065-00; nla, GA 30331, USA, CH-6343 Robrevz, CH-6020 Emmel CIRCLE ONE CATEGORY ONLY unions, pipe caps, or reducers es: all types es, sight glasses, levels, or	0 - São José dos Pinhais - PR, 3800 Camp n, 1 rue Jean-Bugatti, F-67120 Duppigheim TITLE OF THE STANDARD OF CONSTRUCTION	]
CATEGORY OF 6  A Pipe fittings, including co B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible E Strainers, filters, separate F Measuring devices, including ressure transmitters G Certified capacity-rated publiers, pressure vessels H Pressure retaining compounds N Nuclear components: Cla	ITTINGS TO BE REGISTERED.  uplings, tees, elbows, Ys, plugs, inconnections, and hose assemblifies, and steam traps ing pressure gauges, level gauge essure relief devices acceptable piping and fusible plugs	CIRCLE ONE CATEGORY ONLY unions, pipe caps, or reducers es: all types es, sight glasses, levels, or	TITLE OF THE STANDARD OF CONSTRUCTION	
A Pipe fittings, including co B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible E Strainers, filters, separate F Measuring devices, includer pressure transmitters G Certified capacity-rated publiers, pressure vessels H Pressure retaining compounds.	connections, and hose assembliers, and steam traps ing pressure gauges, level gaugessure relief devices acceptable piping and fusible plugs	unions, pipe caps, or reducers es: all types es, sight glasses, levels, or		
B Flanges: all flanges  (C) Valves: all line valves D Expansion joints, flexible E Strainers, filters, separate F Measuring devices, include pressure transmitters C Certified capacity-rated publiers, pressure vessels H Pressure retaining components: Clarents	connections, and hose assembli- rs, and steam traps ing pressure gauges, level gauge ressure relief devices acceptable piping and fusible plugs	es: all types es, sight glasses, levels, or		
Valves: all line valves     Expansion joints, flexible     Strainers, filters, separate     Measuring devices, inclustor pressure transmitters     Certified capacity-rated publiers, pressure vessels     Pressure retaining compounds     Nuclear components: Classifications	rs, and steam traps ing pressure gauges, level gauge essure relief devices acceptable piping and fusible plugs	es, sight glasses, levels, or		
D Expansion joints, flexible     E Strainers, filters, separate     Measuring devices, incluspressure transmitters     Certified capacity-rated p     boilers, pressure vessels     Pressure retaining compt     Nuclear components: Cla	rs, and steam traps ing pressure gauges, level gauge essure relief devices acceptable piping and fusible plugs	es, sight glasses, levels, or		
F Measuring devices, include pressure transmitters     C Certified capacity-rated publiers, pressure vessels     H Pressure retaining composity     Nuclear components: Classifications	ing pressure gauges, level gauge essure relief devices acceptable piping and fusible plugs	-		1
pressure transmitters G Certified capacity-rated p boilers, pressure vessels H Pressure retaining compo N Nuclear components: Cla	essure relief devices acceptable piping and fusible plugs	-		
G Certified capacity-rated p boilers, pressure vessels H Pressure retaining compo N Nuclear components: Cla	piping and fusible plugs	as primary over pressure protection on		
boilers, pressure vessels H Pressure retaining compo N Nuclear components: Cla	piping and fusible plugs	• • •		j
N Nuclear components: Cla	nents that do not fall into one of I			
SHOW MANUFACTURERS	ss 1 Class 2 Class 3 C.	(Meeting CNSC or ASME requirements)	<u> </u>	ل
	IAME, TRADEMARK, OR LOGO	AS IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION	7
			FORGED E WELDED D WROUGHT D	1
	GEMU		DESCRIBE OTHER	
			Machined	
LIST OF SUPPOPTING DO	HIMENTATION AND IDENTIFIC	ATION OF THE ACTUAL ITEMS TO BE REC	SISTERED:	1
U. JULI VALING DO	THE PROPERTY OF THE PARTY OF TH	THE PARTY OF THE P	town Restauration of the Control of	
Flanged globe valves	type 536 534 530 53	2, 537 & Threaded angle seat va	lves type 514, 554, 507, 550.	
		rpe 514, 554, 550, 555, 505, 507		
summary SOR-GEM		pc 014, 004, 000, 000, 000, 007	per ecope of registration	
Sullilliary SOR-GEIVI	J-GV-REVO			
				J
DECLARATION:				
Matthias Barth	(see note 3) employed b	ov GEMÛ and beir	ng the person having full authority and	ı
	of the end product do solemi	nly declare that the information contained	in this form is true and to the best of	
v knowledge represents t	ne product for which registrati	ion is sought. The dimensions, materials	of construction, pressure	
		ccordance with the herein named standar		
		ontrol Program which extends to each pla	int where fabrication occurs in whole	
r in part and has been ver	fied by TÜV Rheinland; Swi	owing that it is of the same force and eff	at purpose and I make this solemn	Prilly.
eciaration conscientiously	believing it to be true, and kin	towning that it is of the same love and on	or do a made discourse of the	a in
ignature of Declarer: M	atthias Barth IV			****
eclared before me at	OHIOMATO CA			λY ·
0 0	TIME IS	N.	DODERER	
his day of	Ane_ AD_2		Othiks, Georgian L	Pec
commissioner of Oaths	1000	My Com	nission Expires	
r Notary Public: (sign)	WIAN	I I I GOOD GOOD TO THE	119,2018	′ o∀
	(Affix Official seal to the right)			00V
A TOWNS THE PROPERTY OF THE PR	This sp	ace for Regulatory Authority	NINC Z	
Th		ated after ten (10) years from the date of	acceptance:	
	-	DEPT OF PU	BUC SAFETY	1111
CRN: <u>0C1361.C</u>		Boaler a Press	URE VEGGEL ACT	
			The same of the sa	İ
FID#: <u>1807</u>	- Andrewson Control	BEOLETEA	TION OM Y	
			0612/167	
Notes:	м.	C-1004	1(X.146LO+	
1. All fittings shall be register	ed in the name of the Manufactu			!
	ported with two Statutory Declar	ation	-	
forme and one conu of succe		hority and	in un	
forms and one copy of suppo 3. The declaration shall be m				
<ol> <li>The declaration shall be mesponsibility for the quality of</li> </ol>	the end product.	DATAMINENT. CLA	Non-Maria and Control of Control	
The declaration shall be mesponsibility for the quality of Quality control programs s	the end product. hall be resubmitted for validation	A STATE OF THE PARTY OF THE PAR		
The declaration shall be rr esponsibility for the quality o     Quality control programs s	the end product. hall be resubmitted for validation	DATAMINENT. CLA	R McCard Company Rev. 1 06/2003	
<ol> <li>The declaration shall be mesponsibility for the quality of</li> </ol>	the end product. hall be resubmitted for validation	CHREF BOALES	R 106/2003	
The declaration shall be mesponsibility for the quality of Quality control programs s	the end product. hall be resubmitted for validation	A STATE OF THE PARTY OF THE PAR	21/2017	
The declaration shall be rr esponsibility for the quality o     Quality control programs s	the end product. hall be resubmitted for validation	CHREF BOALES	21/2017	
<ol> <li>The declaration shall be messponsibility for the quality of</li> <li>Quality control programs s</li> </ol>	the end product. hall be resubmitted for validation	CHREF BOALES	21/2017 PVs	

NEW BRUNSWICK HUNAVUT	YNOVA SCOTIA	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR	
	GEMI) Combit INTERCARAT From RESS: Fritt Militer: Strate 6-6, D-14 RESS: Crock Parkway Bldg 2600 5 Fritt Militer: Strate 6-6, D-74433 Inger Crock Parkway Bldg 2600, Suta 120 J	TSABL	PLASTICOS E METALURGICOS CIDA. GEMU Valves le Prens 63065-000 - São Jose dos Peries s. PR. 3800 Cen CH-6020 Emmen; 1 ne Jean-Bugati. F-67120 Dupoche 085-030 - São Jose dos Priñas - PR. 3800 Cemp Jemmen. 1 ne Jean-Bugati. F-67120 Dupochem TITLE DF. THE STAMOASID DE CONSTRUCTION	7
A Pipe fittings, including B Flanges: all flanges C Valves, all line valves D Expansion joints, flexib E Strainers, fitters, separ	couplings, tees, elbows, Ys, plug e connections, and hose assem	s. unions, pipe caps, or reducers	ASWE #31 2	
G Cenified capacity-rated bollers, pressure vesse H Pressure retaining com	is, piping and fusible plugs ponents that do not fall into one	sie as primary over pressure protection on of the above categories ). (Meeting CNSC or ASME requirements		A CONTRACTOR OF THE CONTRACTOR
SHOW MANUFACTURERS	NAME TRADEMARK OR LO	go as it will appear on the prod	FORGED & WELDED D. WROUGHT OF CAST OTHER BESCHIEF OTHER MACHINES OF CAST OF CA	
Flanged globe valve	es type 536, 534, 530, 5 rrule angle seat valves	164110N OF THE ACTUAL ITEMS TO BE 132, 537 & Threaded angle sea type 514, 554, 550, 555, 505,	at valves type 514, 554, 507, 550,	
my knowledge represents temperature ratings, and it manufacture of these filting or in part and has been vedeclaration conscientious!  Signature of Declarer:  Declared before me at This 2 2 day of	the product for which registr. Sentification markings are in gs is regulated by a Quality ( rifled by TÜV Rheinland; 8	mnly declare that the information contains is sought. The dimensions, mat accordance with the herein named soontrol Program which extends to each as being suitable for knowing that it is of the same force an	andards. I further declare that the In plant where fabrication occurs in whole or that purpose and I make this solemn	of
Commissioner of Oaths or Notary Public: (sign)	(Affix Official seal to the righ	My E	ommission Expires	60.00
CRN 0C1361.	als registration must be reval	pace for Regulatory Authority use idated after ten (10) years from the da	ste of acceptance.	MIES
FID# <u>1807</u>	- NOA-MERCENIA		Service NL Registered OC 1361.0	© Name of C 1 of Nam
Each category shall be as forms and one copy of supports.     The decignation shall be responsibility for the quality (4. Quality control programs.)	nede by the person having full a of the end product. shall be resubmitted for validation	orer eration uthorsy and	Date 17/07/2/ Encironing and Inspection Solution of the AUTHORITY of The A	
at a maximum interval of five	(5) years	tanggaran sa ayarin daga manin ayarin ma agara may an kinaping ayar angan kagan panggandagin kagagan kinapi an	PURTY SAFETY AND CONTROL OF THE STATE OF THE	

NUNAVUT ✓ YUKON ✓ NORTHWEST TERRITO	RIES
MANUFACTURERS NAME: GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG, GEMÜ INDUSTRIA DE PR	RODUTOS PLÁSTICOS E METALURGICOS LTDA.; GEMU Valves, Inc.
Fritz-Müßer-Straße 6-8, D-74653 Ingelfingen; Rua Marechal Hermes, 17	45 - Afonso Pena 83065-000 - São José dos Pinhais - PR; 3800 Camp
Fritz-Miller-Strafte 8-8 (D-74653 Innellinger: Rus Marachal Harmes, 1745 - Alons	so Pena 63065-000 - São José dos Pinhais - PR; 3800 Camp
PLANT LOCATIONS: Creek Parkway Blog. 2600, Suite 120, Allania, GA 30331, USA CH-6343 Rockreu  CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY O	z, CH-6020 Emmen; 1 rue Jean-Bugatti, F-67120 Duppigheim
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers	ASME B31 3
B Flanges: all flanges	
C Valves; all line valves	
D Expansion joints, flexible connections, and hose assemblies: all types  E Strainers, filters, separators, and steam traps	
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or	
pressure transmitters G. Certified capacity-rated pressure relief devices acceptable as primary over pressure prote	action on
boilers, pressure vessels, piping and fusible plugs	Substitute of the substitute o
H Pressure retaining components that do not fall into one of the above categories	
Nuclear components: Class 1 □ Class 2 □ Class 3 □, (Meeting CNSC or ASME requ	
HOW MANUFACTURERS NAME. TRADEMARK, OR LOGO AS IT WILL APPEAR ON TH	E PRODUCT TYPE OF CONSTRUCTION
,	FORGED E WELDED D WROUGHT D
gemu'	DESCRIBE OTHER
	Machined
IST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEM	IS TO BE REGISTERED:
langed globe valves type 536, 534, 530, 532, 537 & Threaded and	
CEMII	
ECLARATION: Matthias Barth (see note 3) employed by GEMÜ	and being the person having full authority and
Matthias Barth (See Note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informati	ion contained in this form is true and to the best of
Matthias Barth (1500 note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informati y knowledge represents the product for which registration is sought. The dimension mperature ratings, and identification markings are in accordance with the herein na	ion contained in this form is true and to the best of ons, materials of construction, pressure amed standards. I further declare that the
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informati / knowledge represents the product for which registration is sought. The dimensio nperature ratings, and identification markings are in accordance with the herein na nufacture of these fittings is regulated by a Quality Control Program which extend	ion contained in this form is true and to the best of ons, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension merature ratings, and identification markings are in accordance with the herein natural studies of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rheinland; Swiss TS as being su	ion contained in this form is true and to the best of ons, materials of construction, pressure and standards. I further declare that the is to each plant where fabrication occurs in whole intable for that purpose and I make this solemn
Matthias Barth  (1880 note 3) employed by GEMU  sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension perature ratings, and identification markings are in accordance with the herein injurative of these fittings is regulated by a Quality Control Program which extend in part and has been verified by  TOV Rheinland; Swiss TS  as being st	ion contained in this form is true and to the best of ons, materials of construction, pressure and standards. I further declare that the is to each plant where fabrication occurs in whole intable for that purpose and I make this solemn
Matthias Barth  (ISBN DOMES) employed by GEMU  Sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension product readings, and identification markings are in accordance with the herein an uniformative of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rheinland; Swiss TS as being successful to be true, and knowing that it is of the same to the control of the same in the control of the control of the same in the control of the	ion contained in this form is true and to the best of ones, materials of construction, pressure amount of construction are that the sto each plant where fabrication occurs in whole site and the propose and I make this solemn
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension necessarily manufacture attings, and identification markings are in accordance with the herein natural transportation of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rheinland; Swiss TS as being such a special control program which extend the part and has been verified by TOV Rheinland; Swiss TS as being such at the same of th	ion contained in this form is true and to the best of ones, materials of construction, pressure amount of construction are that the sto each plant where fabrication occurs in whole site and the propose and I make this solemn
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension in a coordance with the herein national formative ratings, and identification markings are in accordance with the herein national formative of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhetniand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same of pattern of Declarer:  Matthias Barth IV Republication is supported by the program which extend the part and pattern of Declarer:  Matthias Barth IV Republication is sought. The dimension is sought. The dimen	ion contained in this form is true and to the best of ones, materials of construction, pressure amount of construction are that the sto each plant where fabrication occurs in whole site and the propose and I make this solemn
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension in perature ratings, and identification markings are in accordance with the herein national stress of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhetntand; Swiss TS as being succination conscientiously believing it to be true, and knowing that it is of the same in the program of Declarer:  Matthias Barth IV A CA CA Careful Swiss TS and the same in the program of Declarer is a constant of Declarer.  Matthias Barth IV A CA CA CAREFUL SWISS TS A CAREFUL SWISS TS A CAREFUL SWISS TS AS A CA	ion contained in this form is true and to the best of one, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  N. DODERER O'CHAFYIPOULIK, LISE BEGINAIS Gwinnett County
Anothias Barth  (see note 3) employed by GEMU  ponsibility for the quality of the end product do solemnly declare that the information knowledge represents the product for which registration is sought. The dimension of the perature ratings, and identification markings are in accordance with the herein not nufacture of these fittings is regulated by a Quality Control Program which extend the part and has been verified by T0v Rheinland; Swiss TS as being such a standard or conscientiously believing it to be true, and knowing that it is of the same of the perature of Declarer:  Matthias Barth IV  Clared before me at AHQ AD	ion contained in this form is true and to the best of ones, materials of construction, pressure and standards. I further declare that the is to each plant where fabrication occurs in whole intable for that purpose and I make this solemn force and effect as if made under oath.
Anothias Barth  (see note 3) employed by GEMU  ponsibility for the quality of the end product do solemnly declare that the information knowledge represents the product for which registration is sought. The dimension of the perature ratings, and identification markings are in accordance with the herein not nufacture of these fittings is regulated by a Quality Control Program which extend the part and has been verified by T0v Rheinland; Swiss TS as being such a standard or conscientiously believing it to be true, and knowing that it is of the same of the perature of Declarer:  Matthias Barth IV  Clared before me at AHQ AD	ion contained in this form is true and to the best of one, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  Oct af yIPO blist. IS BY GIA ALL SOLEMAN
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension in a coordance with the herein national formative of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhetniand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same to clared before me at the program of Declarer:    Matthias Barth   V	ion contained in this form is true and to the best of one, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole intable for that purpose and I make this solemn force and effect as if made under oath.  N. DODERER OCRAFYIPO this, IGEST CIENTER Gwinnett County My Commission Expires
Matthias Barth  (see note 3) employed by GEMU  sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension inperature ratings, and identification markings are in accordance with the herein national stress of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhetnland; Swiss TS as being succination conscientiously believing it to be true, and knowing that it is of the same in the program of Declarer:  Matthias Barth IV AD	ion contained in this form is true and to the best of one, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  N. DODERER OF GRAFY POUR LIVE LIGHT OF THE COUNTY My Commission Expires  My Commission Expires  The date of acceptance.
Matthias Barth  (see note 3) employed by GEMU  sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhelmland; Swiss TS as being succeptation conscientiously believing it to be true, and knowing that it is of the same of control Program which extend the part and has been verified by TOV Rhelmland; Swiss TS as being succeptation conscientiously believing it to be true, and knowing that it is of the same of control Program which extend the part and the same of	ion contained in this form is true and to the best of ins, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  NODERER O'CHAFYIPOLIUM, LIGEBREIS CONTRACTOR OF AFYIPOLIUM, LIGEBREIS CONTRA
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension in a coordance with the herein note and identification markings are in accordance with the herein note and in part and has been verified by TOV Rhetintand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same of the construction of Declarer:  Matthias Barth  This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the special product of the same of the special product of th	ion contained in this form is true and to the best of one, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  N. DODERER OF GRAFY POUR LIVE LIGHT OF THE COUNTY My Commission Expires  My Commission Expires  The date of acceptance.
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension anufacture of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhetniand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same of the control Program which extend the part and has been verified by TOV Rhetniand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same of the control Program which extend the part and has been verified by TOV Rhetniand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same of the control Program which extend in part and has been verified by TOV Rhetniand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same of the control Program which extend in part and has been verified by TOV Rhetniand; Swiss TS as being such as being such as the control Program which extend in part and has been verified by TOV Rhetniand; Swiss TS as being such as the control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which extend in part and has been verified by a Quality Control Program which has an accordance with the here	ion contained in this form is true and to the best of one, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  N. DODERER OF GRAFY POUR LIVE LIGHT OF THE COUNTY My Commission Expires  My Commission Expires  The date of acceptance.
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension markings are in accordance with the herein national and has been verified by a Quality Control Program which extend in part and has been verified by TOV Rheinland; Swiss TS as being succlaration conscientiously believing it to be true, and knowing that it is of the same of greature of Declarer:  Matthias Barth IV  Carrell Declarer:  Matthias Barth IV  Carrell Declarer:  Matthias Barth IV  Charles Declarer:  Matthias Barth IV  This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the same of the specific program which extend the right)  This registration must be revalidated after ten (10) years from the same of the specific program which extend to the right)	ion contained in this form is true and to the best of one, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  N. DODERER OF GRAFY POUR LIVE IS EST GIAN GWINNEST COUNTY My Commission Expires  The date of acceptance.
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension annufacture of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rheinland; Swiss TS as being subclaration conscientiously believing it to be true, and knowing that it is of the same to grature of Declarer:  Matthias Barth IV  Colared before me at AHQL TO AD	ion contained in this form is true and to the best of one, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solernn force and effect as if made under oath.  N. DODERER OF GRAFY POUR LIVE LIGHT OF THE COUNTY My Commission Expires  My Commission Expires  The date of acceptance.
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative product of the end product do solemnly declare that the informative product of the end product do solemnly declare that the informative product of the end product do solemnly declare that the informative product of the end in solemnia of the serior of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhetintand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same to claration conscientiously believing it to be true, and knowing that it is of the same to clared before me at ALQATA CATA CATA CATA CATA CATA CATA CATA	ion contained in this form is true and to the best of ins, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  NODDERER Ordary (Pottlik, ISe Breis) Gwinnett County My Commission Expires  In the date of acceptance.
Matthias Barth  (see note 3) employed by GEMU  sponsibility for the quality of the end product do solemnly declare that the informative provided represents the product for which registration is sought. The dimension in the product for which registration is sought. The dimension in the product for which registration is sought. The dimension in the product for which registration is sought. The dimension is sought. The d	ion contained in this form is true and to the best of ins, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  NODDERER OrdarylPottik, Idearcia Gwinnett County My Commission Expires  The the date of acceptance.
Matthias Barth  (see note 3) employed by GEMU sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension of the product of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhelntand; Swiss TS as being such claration conscientiously believing it to be true, and knowing that it is of the same in the product of Declarer:  Matthias Barth IV AD	ion contained in this form is true and to the best of ins, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  NODDERER Ordary (Pottlik, ISe Breis) Gwinnett County My Commission Expires  In the date of acceptance.
Matthias Barth  (see note 3) employed by GEMU  sponsibility for the quality of the end product do solemnly declare that the informative knowledge represents the product for which registration is sought. The dimension in perature ratings, and identification markings are in accordance with the herein not anufacture of these fittings is regulated by a Quality Control Program which extend in part and has been verified by TOV Rhetntand; Swiss TS as being succidention conscientiously believing it to be true, and knowing that it is of the same of clared before me at Atlanta AD	ion contained in this form is true and to the best of ins, materials of construction, pressure amed standards. I further declare that the is to each plant where fabrication occurs in whole sitable for that purpose and I make this solemn force and effect as if made under oath.  NODDERER Ordary (Pottlik, ISe Breis) Gwinnett County My Commission Expires  In the date of acceptance.

NEW BRUNSWICK NUNAVUT	YNOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORI		
MANUFACTURERS NAME			DUTOS PLASTICOS É MUYALUNGICOS LTDA: GEMU Valvas, Inc.:	
MANUFACTURERS ADDR	ESS: Combi Parler by Blog 2000 5 FILE Muller-Strate C-8, D-74653 Ingel	22) Ingerlingen; Rue Marechal Hermes, 1745 yle 120 Allente, GA 30331, USA; CH-8343 P Ingeri; Rue Marechal Hermes, 1745-Alonso	-Alonso Pens 83065-000 - Séo José dos Pinhara - PR, 1800 Camp otireus, CM-6001 firman, 1 nor Jean Bugaiu, F47120 Buppyheim Pens 8005-000 - éño José dos Pinhara - PR, 3800 Camp 24-620 Emmen, 1 nor Jean Bugaiu, F47120 Dupp	
CATEGORY OF	FITTINGS TO BE REGISTER	D. CIRCLE ONE CATEGORY ON	TA TIME STANDARD OF COUSTONS TAN	
D Flanges: all flanges O Valves; all line valves		s, unions, pipe caps, or reducers	S ICB BMEA	
E Strainers, filters, separate F Measuring devices, include	connections, and hose essemers, and steam traps ding pressure gauges, level ga			
boliers, prossure vessels	ressure relief devices accepts , piping end fusible plugs opents that do not fall into one	ble as primary over pressure protect of the above categories	lon on	
		. (Meeting CNSC or ASME require		
SHOW MANUFACTURERS	NAME TRADEMARK OR LO GEMU	GO AS IT WILL APPEAR ON THE	PRODUCT TYPE OF CONSTRUCTION FORCED BY WELLOSO D WROUGHT D CAST OF OTHER BY DESCRIBE OTHER Machined	
LIST OF SUPPORTING DO	cumentation and identi	FICATION OF THE ACTUAL ITEMS	TO BE REGISTERED:	
Flanged globe valves 507 & Spigot and fen summary SOR-GEM	rule angle seat valves	32, 537 & Threaded angl type 514, 554, 550, 555,	e seat valves type 514, 554, 507, 550, 505, 507 per Scope of registration	
ECLARATION:				
Matthias Both sponsibility for the quality y knowledge represents to mperature ratings, and it anufacture of those filling to part and has been yet.	he product for which registrentification markings are in a larger to see the control of the cont	mnly declare that the information attent is sought. The dimension accordance with the herein nan control Program which extends when 13 being suit	and being the person having full authority and in conteined in this form is true and to the best of so, materials of construction, pressure and standards. I further declare that the lo each plant where fabrication occurs in whole able for that purpose and I make this selemn rice and effect as if made under oath.	********
	atthias Barth iv / #	_		Y
is 2 2 day of _	free AD	20/7	N. DODERER OCHAYIPOHIA GOSTON	<b>2</b> 40
ommisaloner of Oaths Notary Public: (sign)	(Affix Official seaf to the righ		My Commission Explica	3
ותז	This is registration must be reva	ipace for Regulatory Authority use lideted after ten (10) years from	the date of september 1	nes.
RN: 0C1361.0			Northwest 23	00
D#: <u>1807</u>	and the state of t	/	REGISTERED	
Each category shall be sugarnessed one copy of support The declaration shall be managed by the quality of	ade by the parson having full t		BOILER AND PRESSURE VESSEL ACT. OC 1361.07	
a maximum interval of five	(5) years.	SIGN	IED	

To:ACI Central ;8678730117 # 6/14

07-25-17;23:42 ;From:

WBRUNSWICK ADVISOR PRINCE EDWARD ISLAND NORTHWEST TERRITORIES  ANUFACTURERS NAME: GENU Gebr. Militer Apparate bau GmbH & Co. KG, GEMU INDUSTRIA DE PRODUTOS PLASTICOS E METALURGICOS LTDA: GEMU Valves, Inc.  ANUFACTURERS NAME: GENU Gebr. Militer Apparate bau GmbH & Co. KG, GEMU INDUSTRIA DE PRODUTOS PLASTICOS E METALURGICOS LTDA: GEMU Valves, Inc.  ANUFACTURERS ADDRESS: Fig. Militer Shrabe Sb. Dr 4653 ingeringen, Rua Marechai Hermes, 1745 - Afonso Pena 8305-000 - Sac José dos Prinhais - PR, 3800 Camp  Creek Parkway Blog 2600, Suite 120, Alsana, GA 30331, USA: CH-6324 Routieuz, CH-6020 Emmen, 1 nue Jean-Bugolu, F-67120 Dupporhem  CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY  Pipe fittings, including couplings, tees: elbows, Ys. plugs, unions, plipe caps, or reducers  Expansion joints, flexible connections, and hose assemblies: all types  Strainers, filters, separators, and sleam traps  Weasuring devices, including pressure relief devices acceptable as primary over pressure protection on boillers, pressure vessels, piping and fusible plugs  Pressure retaining components that do not fall into one of the above calegories  Nuclear components: Class 1 □ Class 2 □ Class 3 □, (Meeting CNSC or ASME requirements)
NUFACTURERS ADDRESS: Intervaller-Strate 8-8. D-/4553 ingelingen, Rus Marechai Hermes, 1745 - Alenso Pena 83055-000 - Sao Josa dos Pinhais - PR. 3800 Camp Creek Parkway Bidg. 2600, Suite 120. Alsana, GA 30331, USA, CH6343 Rotizeuz, CH-6020 Emmen, 1 nie Jean-Bugatt, F-67120 Duppothem ANT LOCATIONS: Creek Parkway Bidg. 2600, Suite 120. Alsana, GA 30331, USA, CH6343 Rotizeuz, CH-6020 Emmen, 1 nie Jean-Bugatt, F-67120 Duppothem ANT LOCATIONS: Creek Parkway Bidg. 2600, Suite 120, Allania, GA 30331, USA, CH-6343 Rotizeuz, CH-6020 Emmen. 1 nie Jean-Bugatt, F-67120 Duppothem CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY  Pipe filtings, including couplings, tees, elbows, Ys. plugs, unions, plpe caps, or reducers  Flanges: all flanges  Valves: all flanges  Valves: all flanges  Valves: all flanges  Valves, filters, separators, and steam traps  Weasuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters  Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs  Pressure retaining components that do not fall into one of the above categories
NUFACTURERS ADDRESS: Fints Moller-Strate 6s. D.74653 Ingefingen, Rus Marchair Hermes, 1745 - Alonso Penta 83055-000 - Sao Josa dos Pinhais - PR. 3800 Camp Camp Camp Camp Camp Camp Camp Camp
Category OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY  Pipe fittings, including couplings, tees, elbows, Ys. plugs, unions, plpe caps, or reducers  Flanges: all flanges  Valves: all fine valves  Expansion joints, flexible connections, and hose assemblies: all types  Strainers, filters, separators, and steam traps  Weasuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters  Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs  Pressure retaining components that do not fall into one of the above categories
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY  TITLE OF THE STANDARD OF CONSTRUCTION  ASME B31:3
Flanges: all flanges  Valves: all fine valves  Expansion joints, flexible connections, and hose assemblies: all types  Strainers, filters, separators, and steam traps  Weasuring devices, including pressure gauges, level gauges, sight glasses, levels, or  pressure transmitters  Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on  boilers, pressure vessets, piping and fusible plugs  Pressure retaining components that do not fall into one of the above categories
Strainers, filters, separators, and steam traps  Veasuring devices, including pressure gauges, level gauges, sight glasses, levels, or  pressure transmitters  Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on  boilers, pressure vessels, piping and fusible plugs  Pressure retaining components that do not fall into one of the above categories
Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or ressure transmitiers  Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessets, piping and fusible plugs  Pressure retaining components that do not fall into one of the above categories
Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on bollers, pressure vessels, piping and fusible plugs. Pressure retaining components that do not fall into one of the above categories.
Pressure retaining components that do not fall into one of the above categories
W MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT TYPE OF CONSTRUCTION
FORGED E, WELDED C, WROUGHT C
DESCRIBE OTHER
Machined
OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
nged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550,
* Spigot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration many SOR-GEMÜ-GV-REV0
IIIIAI Y SOR-GEINIO-GV-REVU
LARATION: thias Barth (see now 3) employed by GEMÜ and being the person having full authority and
nsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of owledge represents the product for which registration is sought. The dimensions, materials of construction, pressure reture ratings, and identification markings are in accordance with the herein named standards. I further declare that the facture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole
art and has been verified by TÜV Rheinland: Swiss TS as being suitable for that purpose and I make this enteres
art and has been verified by TUV Rheinland; Swiss TS as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.
and and has been verified by TUV Rheinland; Swiss TS as being suitable for that purpose and I make this solemn alion conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.
and and has been verified by TUV Rheinland; Swiss TS as being suitable for that purpose and I make this solemn allon conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  Ure of Declarer: Matthias Barth IV
and and has been verified by TUV Rheinland; Swiss TS as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The defore me at ALANTA CH.  The defore me at ALANTA CH.  The defore me at ALANTA CH.
and and has been verified by TUV Rheinland; Swiss TS as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The property of the purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The property of the purpose and I make this solemn ation conscientiously believing that it is of the same force and effect as if made under oath.  The property of the purpose and I make this solemn ation conscientiously believing that it is of the same force and effect as if made under oath.  The property of the purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The property of the purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The property of the purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The property of the purpose and I make this solemn ation conscientiously believing it to be true, and the purpose at
and and has been verified by TUV Rheinland; Swiss TS as being suitable for that purpose and I make this solemn atlon conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The deforement Atlanta CA and CA arrivers and I make this solemn at the same force and effect as if made under oath.  The deforement Atlanta CA and CA arrivers and I make this solemn at the same force and effect as if made under oath.
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The deforement Atlanta Characteristics of the same force and effect as if made under oath.  The deforement Atlanta Characteristics of the same force and effect as if made under oath.  The deforement Atlanta Characteristics of the same force and effect as if made under oath.  The deformance of the deformance of the same force and effect as if made under oath.  The deformance of the deformance of the same force and effect as if made under oath.  The deformance of the same force and effect as if made under oath.  The deformance of the same force and effect as if made under oath.  The deformance of the same force and effect as if made under oath.  The deformance of the same force and effect as if made under oath.  The deformance of the same force and effect as if made under oath.  The deformance of the same force and effect as if made under oath.  The deformance of the same force and effect as if made under oath.
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The definition of Declarer:  Matthias Barth IV  AD 2 7  day of And AD 2 7  dissioner of Oaths any Public: (sign)  (Affix Official seal to the right)  This space for Regulatory Authority use
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  This space for Regulatory Authority use  This registration must be revalidated after ten (10) years from the date of acceptance.
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The defore me at ALANTO AD 2077  Jay of And AD 2077  Jay of
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  This space for Regulatory Authority use  This registration must be revalidated after ten (10) years from the date of acceptance.
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The defore me at Atlanta And
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  We of Declarer:  Matthias Barth  AD  AD  AD  AD  AD  AD  AD  AD  AD  A
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The defore me at 27 day of 37 day of 38 day o
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The defore me at 27 day of And AD 2077  AD 2077  AD 2077  AD 2077  AD COMMINISTRATION  AD COMMINISTRATION  AD COMMINISTRATION  AD COMMINISTRATION  AND COMMINISTRATI
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The defore me at 27 day of 37 day of 38 day o
and and has been verified by TUV Rheinland; Swiss TS as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The declarer: Matthias Barth IV And CAT as day of And And CAT and CAT as day of And And CAT as day o
as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The defore me at Atlanta Characteristics and effect as if made under oath.  This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.  This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.  The registration is the name of the Manufacturer. The category shall be supported with two Statutory Declaration and one copy of supporting documentation.  REGISTERED STERED
and and has been verified by TUV Rheinland; Swiss TS as being suitable for that purpose and I make this solemn ation conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  The declarer: Matthias Barth IV And CAT as day of And And CAT and CAT as day of And And CAT as day o
and that been verified by TUV Rheinland; Swiss 1S as being suitable for that purpose and I make this solemn attion conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  If the property of the same force and effect as if made under oath.  It is of the same force and effect
as being suitable for that purpose and I make this solemn allon conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  If the same force and effect as if the sa
and that been verified by TUV Rheinland; Swiss 1S as being suitable for that purpose and I make this solemn attion conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  If the property of the same force and effect as if made under oath.  It is of the same force and effect
as being suitable for that purpose and I make this solemn allon conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.  If the same force and effect as if the sa



То:	Mr. Chuck Chapman	From:	Janet Townsend
Company:	GEMÜ Valves	Phone:	416-747-4291
Pages:	14	Location:	Toronto
Our File:	ANR-4646	Date:	September 25, 2017

Your File: SOR-8240

**Subject:** Request for Design Registration

Dear Mr. Chapman,

CSA has reviewed the documentation submitted by GEMÜ Valves . 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-0C1547.6.

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,

**Janet Townsend** 

Program Manager

CSA Group

178 Rexdale Blvd. Toronto, ON, M9W 1R3 Canada

www.csagroup.org



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



## STATUTORY DECLARATION Registration of Fittings Global Quality Manager Matthias Barth (Name and Position, e.g. President, Plant Manager, Chief Engineer) GEMÚ Gebr. Muller Apparatebau GmbH & Co. KG; GEMŰ INDÚSTRIA DE PRODUTOS PLÁSTICOS E METALÚRGICOS LTDA. GEMU Valves, Inc.; GEMU GmbH.; INTERCARAT France S.A.R.L. (Name of Manufacturer) Fatz Muller-Straße 6-8, D-74653 Ingefingen, Rua Marechal Hermes, 1745-Albaso Pena 83065-000 - São José dos Pinhais - PR; 3800 Camp Creek Parkway Bidg 2600, Suite 120, Atlanta, Located at GA 30331, USA, CH-6343 Rottreuz, CH-6020 Emmen, 1 nie Jean-Bugallo, F-67120 Duppgheim +49 7940 123 8405 +49 7940 123 86008405 (Telephone No.) (Fax No.) do solemnity 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 831.3** (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 littings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority. TÜV Rheinland; Swiss TS type fittings. In support of this application, the following information and/or test data are attached as follows: Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 507, 550, 507 & Spigot and ferrule angle seat valves type 514, 554, 550, 555, 505, 507 per Scope of registration summary SOR-GEMÜ-GV-REVO of Georgia Declared before me at Notary Public, Georgia **Gwinnett County Commissioner for Oaths:** Matthias Barth , V. (Signature of Declarer) (Signature) FOR OFFICE USE ONLY To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Salety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category \_\_\_\_\_\_ REGISTERED CSA-0C1547.6 CRN: CRN: CSA-OC1547.6 A. BANWATT Registered by: SEP TEMBER · 12:2017 Registration Process administered by Dated: SEP 12.202 CSA Group per CSA B51 NOTE: This registration expires on





Type	Actuator	Size	Type Actuator Size Process Connection	Drawings		MAWP @ DT [4]	MAWP @ RT [4]	(C.) LWDW	MDMT (*C)   Material Code   Connection Code	Connection Code
536	Pneumalic	DN 65 - DN150	EN 1092-2	KY148214 KY148220	Body/Somet, A395 60-40-80 UNS F32800 (5 3103) Easterno, A193 B7M	12.8 bar @ 300 °C			06	80
536	Pneumatic	DN 65 - DN150	ASME B16.42 CL. 150 RF	KY148214 KY148220	Bedy/Bennet, A395 60-40-60 UNS F32600 (5 3103) Fasteners, A193 B7M	ASME 816 42 Table 1 up to 300 °C	ASME B16 42 Table 1		06	39
536	Pneumatic	DN 65 - DN150	EN 1092-1	KY148214 KY148220	Bedy/Bennet, A351 CF6M UNS J92900 (1 4408) F#Herers A193 H7M	12.8 bar @ 300 °C			37	8
536	Pneumatic	DN 65 - DN150	ASME B16.5 CL. 150 RF	KY148214 KY146220	Bedyddonet A351 CFBM UNS J92900 (1 4406) esterey, A193 B7M	ASME B16.5 Gr 2.2 up to 300 °C	ASME B16 5 Gr. 2.2		37	39
536	Pneumatic	0S NO	EN 1092-1	KY148214 KY148220	Bodyflammet, A351 CFBM UNS J92900 (1 4408)	29.7 bar @ 300°C	40.0 bar		37	=
534, 530 & 532	Pneumatic	DN 15 - DN 40	EN 1092-1	KY148213 KY167863	BODY, A351 CFBA UNS J92800 (1 4408) BODNEL A351 CFBA UNS J92800 (1 4408) for Type 532 A478 316L UNS S31603 (1 4404) for Type 534 & 530	29.7 bar @ 300°C	40.0 bar		37	17
534, 530 & 532	Pneumatic	DN 50	EN 1092-1	KY 148213 KY 167863	Body, A351 CFBM LINS J92800 (1 4408) Bonnet A351 CFBM LINS J92800 (1 4408) for Type 532 A479 316L LINS S31603 (1 4404) for Type 534 & 530	11 8 bar @ 300°C	16 0 bar		37	9
534, 530 & 532	Pneumatic	DN 15 - DN 50	ASME B16.5 CL. 150 RF	KY148213 KY167863	DOOL A351 CFBM UNS J92900 (1 4408) BOTHAL A351 CFBM UNS J92900 (1 4408) for Type 532 A479 316L UNS S31603 (1 4404) for Type 534 & 530	ASME B16 5 Gr 2.2 up to 300 °C	ASME B16.5 Gr 2.2 @ ambient		37	39
534, 530 & 532	Pneumatic	DN 15 - DN 50	ASME B16 42 CL. 150 RF	KY148213 KY167863	Bruty, A395 60 40-80 UNS F32800 (5 3103) Bruthet A351 CFBM UNS J92900 (1 4408) for Type 532 A479 316L UNS S31603 (1 4404) for Type 534 B 530	ASME B16.42 up to 300 °C	ASME B16.42 Table 1 @ ambient		8	38
534, 530 & 532	Pneumatic	DN 15 - DN 50	EN 1092-2	KY148213 KY167863	Body, A395 60-40-80 UNS F32800 (5.3103) Bognet A351 CF8M UNS J92800 (1.4408) for Type 532 A478 316L UNS S31803 (1.4404) for Type 534 8.530	12 B bar @ 300 °C	16 0 bar		06	80
537	Manual	DN 15 - DN 40	EN 1092-1	KY148213 KY167863	Boar, A351 CFBM UNS 392900 (1 4400) Bornet, A479 316L UNS S31603 (1 4404)	29.7 bar @ 300°C	40.0 bar		37	=
537	Manual	DN 50	EN 1092-1	KY148213 KY167863	Bory, A351 CFBM UNS J92800 (1 4408) Bory A478 316L UNS S31603 (1 4404)	11.8 bar @ 300°C	16.0 bar	9	37	60
537	Manual	DN 15 - DN 50	ASME B16.5 CL. 150 RF	KY148213 KY167863	Bong A351 CF8M UNS J9290D (1 440B) Bonge A479 316L UNS SJ1603 (1 4404)	ASME B16 5 Gr 2.2	ASME B16.5 Gr. 2 2		37	39
537	Manual	DN 15 - DN 50	ASME 016 42 CL. 150 RF	KY148213 KY167863	Body, A195 60-40-80 UMS F32800 (5 3103) Bonnet A479 316L UMS S31603 († 4404)	ASME B16 42 Table 1 up to 300 °C	ASME B16.42 Table 1		06	39
537	Manual	DN 15 - DN 50	EN 1092-2	KY148213 KY167863	Body, A395 60-40-90 UNS F32800 (5 3103) Bonnet A479 316L UNS S31603 (1 4404)	12 8 bar @ 300 °C	16 0 bar		06	80
534, 530 & 532	Preumatic	DN 65 - DN 150	EN 1092-1	KY148214 KY148209 KY167859	Bonthlement A351 CFBM LINS J92900 (1 4408) Bonthlement A541 CFBM LINS J92900 (1 4408) for Type 532 A479 316L LINS S316CB (1 4404) for Type 534 & 530 Bitters A193 B7M	11 8 bar @ 300°C	16 0 bar		37	
534, 530 & 532	Pneumatic	0S NO	EN 1092-1	KY148214 KY148209 KY167859	Brührfreiner A351 CF BM UNS J82900 († 4408) Umrer Actuere A351 CF BM UNS J82900 († 4408) for Type 532 A479 316 LUNS S31603 († 4404) for Type 534 & 530 Behrers A19 B7M	29 7 bar @ 300°C	40.0 bar		37	F
534, 530 & 532	Preumatic	DN 65 - DN 150	ASME B16.5 CL. 150 RF	KY148214 KY148209 KY167859	Sout Bornett A351 CF BM UNS 392900 (1 4408) Remel Actuator, A351 CF BM UNS 302900 (1 4408) for Type 532 A779 3161. UNS 531903 (1 4404) for Type 534 & 530 Seitenes A193 B7M	ASIAC 010 9 0. 33	@ ambient	1	37.	39
534, 530 & 532	Pneumalic	DN 65 - DN 150	EN 1092-2	KY148214 KY148209 KY167859	Body Bornet A395 60-40 80 UNS F32600 (5 3103) Bornet Actabre A351 CFBM UNS 925900 (1 4409) for Type 532 A478 318L UNS 531603 (1 4404) for Type 534 & 530 Besteres A199 B7M	12 B bar @ 300 °C	16.0 bar	7	06	80
534, 530 & 532	Preumatic	DN 65 - DN 150	ASME 816.42 CL 150 RF	KY148214 KY148209 KY167859	-40-60 UNS F32800 (5 3103) CF&M UNS J92800 (1 4408) for Type 532 31603 (1 4404) for Type 534 & 530	AKEACHINE WING CASME 816 42 Table 1 up to 300 °C	ASME B16 42 Table 1 @ smbrent	- V	06	39
Page 1 of 5	rs S					Signed: CSAnsael	13 cel			
							MCMI POWER AND AND	2		



# Notes to Flanged Globe Valve Table above:

- 1] Item in (Brackets) for reference only.
- [2] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
- [3] Consult GEMU catalogue for specific pressures over temperature ranges. DT-Design Temperature RT-Ambient Temperature
- [4] De-ratings per respective ASME 816.5 table 2.2, & ASME 816.42 table I- 1 de-ratings across design temperature range are applicable. [5] ASME 816.5 Group 2.2 maximum pressure at ambient temperature: 19 bar; maximum pressure at 300°C: 10.2 bar [6] ASME 816.42 Table 1 maximum pressure at ambient temperature: 17.2 bar; maximum pressure at 300°C: 10.2 bar [7] Actuator types are outside pressure boundary and provided for information only.





Threaded Angle Seat Globe Valves - ASME B31.3 process piping

			Sindle copped by the copped					
Туре	Actuator	Sizes	Process Connection	Drawings	Pressure Retaining Materials	MAWP @ DT [4]	MAWP @ DT [4] MAWP @ RT [4] MDMT (°C)	MDMT (°C)
514, 554 & 550	Pneumatic	DN10 - DN80	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	<u>Body: A351 CFBM UNS J92900 (1.4408) [1]</u> <u>Ronnet: A351 CFBM UNS J92900 (1.4408) for Type 514</u> A479 316L UNS 561603 (1.4404) for Type 554 & 550	15.4 bar @ 300 C	25 bar	
507	Manuat	DN10 - DN80	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	KY168212 Body: A351 CFBM UNS 392900 (1.4408) [1] KY163886 Bonnet: A479 316L UNS S61603 (1.4404)	15.4 bar @ 300 C	25 bar	
514, 554 & 550	Pneumatic	DN10 - DN50	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	Body: B61 C92200 (CC499K) [6] Bonngt: A351 CFBM UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	13.5 bar @ 200 C	16 bar	9
514, 554 & 550	Pneumatic	DN65 - DN80	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	Body:B61 C92200 (CC499K) [6] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	8.5 bar @ 200 C	10 bar	2
550	Pneumatic	DN8 - 15	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	KY163886 BODDE: A479 316L UNS 531603 (1.4404)	15.4 bar @ 200 C	25 bar	
507	Manual	DN8 - 15	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	KY148212 <u>Body</u> ; A351 CF8M UNS 392900 (1,4408) KY163886 <u>Bonnet</u> ; A479 316L UNS S31603 (1,4404)	15.4 bar @ 200 C	25 bar	
Notes to above table:	hla							

If them in (Brackets) for reference only.
 Tapered Thread types: NPT (ASME 1.20.1); G (DIN ISO 228); Rc (BS 21)
 Tapered Thread types: NPT (ASME 1.20.1); G (DIN ISO 228); Rc (BS 21)
 Consult GEMU catalogue for specific pressures over temperature ranges. DT-Design Temperature RT-Ambient Temperature (4) sizes: G3/8; Rc/NPT/G: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"
 G3/8 (DN10) not available in C92200 B61
 Alloy correlation to mechanical properties. Chemical composition proprietary for corrosion resistance.
 Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
 Actuator types are outside pressure boundary and provided for information only.





Spigot and Bio	processing	ferrule - Angle	Spigot and Bioprocessing ferrule - Angle Seat Globe Valves - ASME B31.3 process piping	B31.3 pro	cess piping				
Type	Actuator	Sizes	Process Connection	Drawings	Pressure Retaining Materials		MAWP @ DT [4]	MAWP @ RT [4]	MDMT (*C)
514, 554, 550 & 555	Pneumatic	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body; A351 CK20 UNS 194202 (1.4435) [1][7] Bonnet: A351 CFBM UNS 192900 (1.4408) for Type 514 A479 316L UNS 561603 (1.4404) for Type 554, 550 & 555	ype 514 554, 550 & 555	15,9 bar @ 300 C	25 bar	
505 & 507	Manual	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body <u>:</u> A351 CK20 UNS J94202 (1.4435) [1][7] Bonnet: A479 316L UNS S61603 (1.4404)		15.9 bar @ 300 C	25 bar	
514, 554 & 550	Pneumatic	DNIO - DNBO	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CFBM UNS J92900 (1.4408) Bonnet: A351 CFBM UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	ype 514 554 & 550	15.4 bar @ 300 C	25 bar	
507	Manual	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	ype 514 554 & 550	15.4 bar @ 300 C	25 bar	
550	Pneumatic	DN6 - DN15	Butt Weld Spigot [8]	KY148211 KY163886	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404)		15.4 bar @ 300 C	25 bar	
507	Manual	DN6 - DN15	Butt Weld Spigot [8]	KY148211 KY163886	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404)		15,4 bar @ 300 C	25 bar	
514, 554, 550 & 555	Pneumatic	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body; A351 CK20 UNS J94202 (1.4435) [1][7] Bonnet; A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554, 550 & 555	pe 514 54, 550 & 555			-10
505 & 507	Manual	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body; A3S1 CK20 UNS 194202 (1.4435) [1][7] Bonnet: A479 316L UNS S61603 (1.4404) Fegrulg: A182 F316L UNS S31603 (1.4435)				
514, 554 & 550	Pneumatic	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CFBM UNS 192900 (1.4408) Bonnet; A351 CFBM UNS 192900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550 Ferrule; A182 F316L UNS S31603 (1.4435)		DN8 to DN40[9]: 25 bar @ 140 C	DN8-DN40: 25 bar	
507	Manuai	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CFBM UNS 192900 (1.4408) Bonnet: A351 CFBM UNS 192900 (1.4408) for Ty A479 316L UNS 561603 (1.4404) for Type 5 Ferrule: A182 F316L UNS 531603 (1.4435)	ype 514 554 & 550	16 bar @ 140 C	OFI	
550	Pneumatic	DN6 - DN15	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404) Ferrule: A182 F316L UNS S31603 (1.4435)				
507	Manual	DN6 - DN15	Ferrule to butt weid spigot [7]	KY148211 KY163886 KY146626	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404) FerFule; A182 F316L UNS S31603 (1.4435)	CRN/25/1-	-00/4	7.6	
Page 4 of 5	'n.				S	Signed: CES	asprosed		

Page 4 of 5

178 Rexidele Boulevard, Toronto, UN Canada M9W 1R3



above:
Table
Valves
Globe
e Seat
- Angl
ferrule
Hessing
d Biopre
ot an
to Spig
Notes L

- [1] Item in (Brackets) for reference only.
  [2] Ferrules are compatible with ASNE B31.3 table 326.1 ASNE B910 cocksing Equipment Standard dimensions.
  [3] Actualor types are compatible with ASNE B31.3 table 326.1 ASNE B910 cocksing Equipment Standard dimensions.
  [3] Actualor types are outside pressures boundary and previded for information only resistance.
  [4] Consul GEMU catalogue for specific pressures over temperature ranges. Of Design Temperature RT-Ambient Temperature
  [5] Alloy correlation to mechanical properties. Chemical composition proprietary for corrosion resistance.
  [6] Impact resting not required due to -10 C being warmer than RMPIC of respective Usted materials.
  [7] Impact design por ASME B31.3 table 326.1 Issued ASME Bioprocessing Equipment (BPE) Standard dimensions & pressures in table D1-2-1.
  [8] Blutt Weld Spigot dimensions for EN 10357, Series A; EN 150 1127; length EN 5549.1, series A indiced to 16 bar.
  [9] DNA0 clamp DNI 32675 series Bf for tubes EN 150 1127; length EN 559-1, series 1, clamp (external clamp adminer at 3, domn) for tubes EN 1037; series A; series 1 clamp (external clamp diameter 25, domn) for tubes EN 10357 series A; length EN 558-1, series 1 clamp (external clamp diameter 25, domn) for tubes EN 10357 series A;

Matthias Barth Approved by:

Global Quality Manager Title:

Signature:

27th June 2017

Date:

The above authorized person confirms that the scope of registration is complete, correct and true.



# Certificate

Standard

ISO 9001:2008

Certificate Registr. No.

09 100 4136

Certificate Holder:



GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG Fritz-Müller-Straße 6-8 • D - 74653 Ingelfingen

including the locations according to annex

Scope:

Development, manufacture and sales of valves, measurement, control and regulating equipment,

accessories and components

Proof has been furnished by means of an audit that the requirements of ISO 9001:2008 are met.

Validity:

The certificate is valid from 2016-04-18 until 2018-09-14.

First certification 1995

2016-04-22

TÜV Rheinand Cert GmbH Am Grauen Stein · 51105 Köln









# Certificate of Compliance

Certificado de Conformidade • Certificado de Conformidad

Certificate # SGQ-2282 - Second Revision

Validity Term 15/05/2018

Validade até/Fecha de Vencimiento

Certificado nº/Certificado nº Effected on 15/05/2009

Efetivado em / Efectivado en

Company:

Empresa/Empresa

GEMÜ INDÚSTRIA DE PRODUTOS PLÁSTICOS E

METALÚRGICOS LTDA.

CNPJ: 77.152.338/0001-93

Scope:

Escopo/Alcance

Manufacturing Process Development of Valves, Measuring

and Control Systems.

Address:

Endereço/Dirección

Rua Marechal Hermes, 1745 - Afonso Pena

83065-000 - São José dos Pinhais - PR

**Technical Standard:** 

Norma Técnica/Norma

NBR ISO 9001:2008

Date of Issue:

Data de Emissão/Fecha de Otorgamiento

São Paulo, April 10, 2015.

Plinto Pereira Certification Manager

Gerente de Certificação/Gerente de Certificación





# Certificate

Standard

ISO 9001:2008

Certificate Registr. No.

09 100 5420

Certificate Holder:



GEMÜ Valves Inc.

3800 Camp Creek Parkway Bld. 2600, Suite 120, Atlanta GA 30331, USA

Scope:

Development, manufacturing and salesof valves, measurement, control and regulating equipment, accessories and components

Proof has been furnished by means of an audit that the requirements of ISO 9001:2008 are met.

Validity:

The certificate is valid from 2016-11-01 until 2018-09-14.

First certification 1995

2016-08-24

TÜV Rhein and Cert GmbH Am Grauen Stein · 51105 Köln

www.tuv.com









# **CERTIFICATE**

The certification body of Swiss TS Technical Services AG hereby confirms that the company



**GEMÜ GmbH** CH-6343 Rotkreuz CH-6020 Emmen

has introduced and applies a management system for

Engineering, manufacturing and assembly (also in clean rooms) as well as distribution of valves and equipement for liquid handling systems and plastic parts for technical applications

according to:

ISO 9001:2008 **Quality management** 

Registration number: 96-320-029 Initial certification: 28.06.1996 Recertification: 09.06.2015 Valid until: 22.07.2018

Heinrich A. Bieler Head of the certification body

Wallisellen, 01.07.2015 The certification body of Swiss TS Technical Services AG A SVTI and TÜV SÜD company







SCESm013





# Certificate of Compliance

Certificado de Conformidade • Certificado de Conformidad

Certificate # SGQ-2282 - Second Revision

Validity Term 15/05/2018

Validade até/Focha de Vencimiento

Certificado nº/Certificado nº Effected on 15/05/2009

Efetivado em / Efectivado en

Company:

Empresa/Empresa

GEMÜ INDÚSTRIA DE PRODUTOS PLÁSTICOS E

METALÚRGICOS LTDA.

CNPJ: 77.152.338/0001-93

Scope:

Escopo/Alcance

Manufacturing Process Development of Valves, Measuring

and Control Systems.

Address:

Endereço/Dirección

Rua Marechal Hermes, 1745 - Afonso Pena

83065-000 - São José dos Pinhais - PR

**Technical Standard:** 

Norma Técnica/Norma

**NBR ISO 9001:2008** 

Date of Issue:

Data de Emissão/Fecha de Otorgamiento

São Paulo, April 10, 2015.

Plinto Pereira Certification Manager

Gerente de Certificação/Gerente de Certificación





# Zertifikat

Prüfungsnorm

ISO 9001:2008

Zertifikat-Registrier-Nr.

01 100 000921

Unternehmen:

INTERCARAT

Intercarat France S.A.R.L.

1 rue Jean-Bugatti F - 67120 Duppigheim

Geltungsbereich:

Produktion und Vertrieb von Gummi- und PTFE-Formteilen

Durch ein Audit wurde der Nachweis erbracht, dass die Forderungen der ISO 9001:2008 erfüllt sind.

Gültigkeit:

Dieses Zertifikat ist gültig vom 01.01.2016 bis zum 14.09.2018. Erstzertifizierung 2000

04.01.2016

TÜV Rheimand Cert GmbH Am Grauen Stein 51105 Köln







178 Rexdale Blvd. Toronto, Ontario Canada M9W 1R3 Tel: (416) 747-4000 www.csagroup.org



March 2017

# <u>CRN – Canadian Registration Numbers - Saskatchewan</u>

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of "Fittings".

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters "CSA" are applied as a prefix to the CRN to indicate which "Fittings" have been registered in this manner. You should inform your clients of this additional marking requirement and that "Fittings" registered by CSA Group are accepted for use in Saskatchewan Canada.



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

www.tssa.org

March 28, 2018

CHUCK CHAPMAN GEMU VALVES INC 3800 CAMP CREEK PKWY BLDG #24 Suite 102 ATLANTA GA 30331 US

Service Request Type: BPV-Fitting Registration

Service Request No.: 2116924

Your Reference No.: GEMU GLOBE VALVES Registered to: GEMU VALVES INC

Dear CHUCK CHAPMAN,

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

CRN No.: 0C17963.25

Main Design No.: GEMU Angle Seat and Flanged Globe Valve series (refer to the scope sheet No. SOR-

GEMU-Rev. 0)

Expiry Date: 06-Sep-2027

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

NOTE: Refer to the attachment to the Statutory Declaration Form for the scope of registration.

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

Yours truly,

Mark Valcic

Engineer Specialist BPV Tel.: 416-734-3494 Fax: 416-231-6183

Email: mvalcic@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
14th Floor, Centre Tower

3300 Bloor Street West Toronto, Ontario Canada M8X 2X4



STATUTORY DECLA	RATION
Registration of Fittin	ngs
I, Matthias Barth Global Quality Manager	
(Name and Position, e.g. President, Plant Manager, Ch. GEMÜ Gebr, Müller Apparatebau GmbH & Co. KG; GEMÜ INDÜSTRIA DE PRODUTOS  Of GEMÜ Valves, Inc.; GEMÜ GmbH.; INTERCARAT France S.A.R.L.	
(Name of Manufacturer)  Fintz-Müller-Straße 6-8, D-74653 Ingelfingen, Rua Marechal Hermes, 1745 - Afonso Pena 83065-000 - São José dos Pinhais - PR; 3800 Camp Creek Parkway Bidg, 2600, Suite 120, Allair	inta, n +49 7940 123 8405 +49 7940 123 86008405
Located at GA 30331, USA; CH-6343 Rotkreuz, CH-6020 Emmen; 1 rue Jean-Bugatti, F-67120 Duppigheim (Plant Address)	m +49 7940 123 8405 +49 7940 123 86008405 (Telephone No.) (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	ne Technical Standards and Safety Act, Boilers
ASME B31.3 (Title of recognized North American Standard)	0
which specifies the dimensions, materials of construction, pressure/temperature rat	
or are not covered by the provisions of a recognized North American standa as supported by the attached data which pressure/temperature ratings and the basis for such ratings, the marking of the	ch identifies the dimensions, material of construction,
I further declare that the manufacture of these fittings is controlled by a quality system	m meeting the requirements of _ISO 9001:2008
which has been verified by the following authority, TÜV Rheinland;	, Swiss TS
The items covered by this declaration, for which I seek registration, are category C	type fittings. In support of
this application, the following information and/or test data are attached as follows: Flanged globe valves type 536, 534, 530, 532, 537 & Threaded angle seat valves type 514, 554, 550, 555, 505, 507 per Scope o SOR-GEMÜ-GV-REV0	ralves type 514, 554, 507, 550, 507 & Spigot of registration summary
Declared before me at At/Centa in the St	teste of Georgia
the 27 day of June AD 2017.	N. DODERER Nolary Public, Georgia Gwinnett County
Commissioner for Oaths:	My Commission Expires
10. Doderer	### - FN14-13-201X
(Printed name)	111/4
	hias Barth / / #4
(Signature)	Technologiature of Declarer) Boilers and
FOR OFFICE USE ONLY	and Safety Safety Program
To the best of my knowledge and belief, the application meets the requirements of the	Authority
Technical Standards and Salety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is an epited for registration in Category	REGISTERED
CRN: 0(17963.25	CRN 0C/7963.25
Registered by: MATIN VALCIC, P.ENG.	Signed: Wal
Dated: MANCH 18, Roll	Date: /MARCH 28, 20/8
NOTE: This registration expires on SEPT. 6, 2027	
NOTE: SEE ATTACHED FIVE (5) PAGES FOR	THE FULL SCOPE OF REGISTIMIEN.
TO THE DECIMAL OF THE DESIGNATION OF THE PARTY OF THE PAR	Revige MANCH
	/



Lype	Actuator	Size	Size Process Connection	Drawings	Pressure Retaining Materials	MAWP @ DT [4]	MAWP @ RT [4]	MDMT (°C)	Material Code	Material Code   Connection Code
536	Pneumatic	DN 65 - DN150	<b>EN</b> 1092-2	KY148214 KY148220	Body/Bonnet: A395 60-40-80 UNS F32800 (5,3103) Fasteners: A193 B7M	12.8 bar @ 300 °C			06	80
536	Pneumatic	DN 65 - DN150	ASME B16,42 CL, 150 RF	KY148214 KY148220	<u>Body/Bonnet</u> : A395 60-40-80 UNS F32800 (5.3103) Fasteners: A193 B7M	ASME B16.42 Table 1 up to 300 °C	ASME B16.42 Table 1	•	06	39
536	Pneumatic	DN 65 - DN150	EN 1092-1	KY148214 KY148220	<u>Body/Bonnet</u> : A351 CF8M UNS J92900 (1,4408) Fasteners: A193 B7M	12.8 bar @ 300 °C			37	80
536	Pneumatic	DN 65 - DN150	ASME B16.5 CL, 150 RF	KY148214 KY148220	<u>Rody/Bonnet;</u> A351 CFBM UNS J92900 (1 4408) Fasteners, A193 B7M	ASME B16.5 Gr. 2.2 up to 300 °C	ASME B16.5 Gr. 2.2 @ ambient		37	39
536	Pneumatic	DN 50	EN 1092-1	KY148214 KY148220	<u>Body/Bonnet,</u> A351 CF8M UNS J92900 (1 4408) Fasteners: A193 B7M	29.7 bar @ 300°C	40.0 bar		37	ŧ
534, 530 & 532	Pneumatic	DN 15 - DN 40	EN 1092-1	KY148213 KY167863	Body, A351 CFBM UNS J92900 (1,4408) Bonnet, A351 CFBM UNS J92900 (1,4408) for Type 532 A479 316L UNS S31603 (1,4404) for Type 534 & 530	29.7 bar @ 300°C	40.0 bar		37	£
534, 530 & 532	Pneumatic	DN 50	EN 1092-1	KY148213 KY167863	Rody, A351 CFBM UNS J92900 (1,4408) Ronnet A351 CFBM UNS J92900 (1,4408) for Type 532 A479 316L UNS S31603 (1,4404) for Type 534 & 530	11.8 bar @ 300°C	16.0 bar	•	37	80
534, 530 & 532	Pneumatic	DN 15 - DN 50	ASME B16.5 CL: 150 RF	KY148213 KY167863	Body, A351 CF8M UNS J92900 (1,4408) Bonnet, A351 CF8M UNS J92900 (1,4408) for Type 532 A479 316L UNS S31603 (1,4404) for Type 534 & 530	ASME B16.5 Gr. 2.2 up to 300 °C	ASME B16.5 Gr. 2.2 @ ambient	•	37	39
534, 530 & 532	Pneumatic	DN 15 - DN 50	ASME B16,42 CL, 150 RF	KY148213 KY167863	Body, A395 60-40-80 UNS F32800 (5.3103) Sonnet: A351 CF8M UNS J92900 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530	ASME B16,42 up to 300 °C	ASME B16.42 Table 1 @ ambient		06	39
534, 530 & 532	Pneumatic	DN 15 - DN 50	EN 1092-2	KY148213 KY167863	Body, A395 60-40-80 UNS F32800 (5.3103) Bonnel A351 CF8IM UNS J92900 (1.4408) for Type 532 A479 316L UNS S31603 (1.4404) for Type 534 & 530	12.8 bar @ 300 °C	16.0 bar		06	ω
537	Manual	DN 15 - DN 40	EN 1092-1	KY148213 KY167863	<u>Body:</u> A351 CFBM UNS J92900 (1.4408) <u>Bonnet:</u> A479 316L UNS S31603 (1.4404)	29.7 bar @ 300°C	40.0 bar		37	=
537	Manual	DN 50	EN 1092-1	KY148213 KY167863	<u>Body:</u> A351 CF8M UNS J92900 (1 4408) Bonnet: A479 316L UNS S31603 (1 4404)	11.8 bar @ 300°C	16.0 bar	-10	37	8
537	Manual	DN 15 - DN 50	ASME B16,5 CL, 150 RF	KY148213 KY167863	<u>Body:</u> A351 CF8M UNS J92900 (1,4408) Bonnet: A479 316L UNS S31603 (1,4404)	ASME B16.5 Gr. 2.2 up to 300 °C	ASME B16.5 Gr. 2.2 @ ambient		37	39
537	Manual	DN 15 - DN 50	ASME B16,42 CL, 150 RF	KY148213 KY167863	<u>Body,</u> A395 60-40-80 UNS F32800 (5.3103) Bonnet, A479 316L UNS S31603 (1.4404)	ASME B16.42 Table 1 up to 300 °C	ASME		06	39
537	Manual	DN 15 - DN 50	EN 1092-2	KY148213 KY167863	<u>  Rody:</u> A395 60-40-80 UNS F32800 (5,3103)   Bonnet: A479 316L UNS S31603 (1,4404)	12.8 bar @ 300 °C	16.0 bar		06	œ
534, 530 & 532	Pneumatic	DN 65 - DN150	EN 1092-1	KY148214 KY148209 KY167859	<u>Book/Bonnet</u> A351 CF6M UNS J92900 (1.4408)   <u>Bonnet Actualor</u> A351 CF8M UNS J92900 (1.4408) for Type 532   A479 316 LUNS S31603 (1.4404) for Type 534 & 530	11.8 bar @ 300°C	16.0 bar		37	ω
534, 530 & 532	Pneumatic	DN 50	EN 1092-1	KY148214 KY148209 KY167859	Body/Bonnet         A351 CF6M UNS J82900 (1.4408)           Bonnte Actuator         A531 CF6M UNS J82900 (1.4408) for Type 532           AA79 316L UNS S31603 (1.4404) for Type 534 & 530           Esselentez, A19 8TM	29.7 bar @ 300°C	40.0 bar	··!	37	<b>±</b>
534, 530 & 532	Pneumatic	DN 65 - DN150	ASME B18,5 CL, 150 RF	KY148214 KY148209 KY167859	BootuRacmet         A351 CF8M UNS J92300 (1 4408)           Bonnel Actualor, A351 CF8M UNS J92800 (1 4408) for Type 532           AA79 316L UNS S31603 (1,4404) for Type 534 & 530           Essenens, A138 DTM	ASME B16.5 Gr. 2.2 up to 300 °C	ASME B16.5 Gr. 2.2 @ ambient		37	39
534, 530 & 532	Pneumatic	DN 65 - DN150	EN 1092-2	KY148214 KY148209 KY167859	BoduBonnet, A395 60-40-80 UNS F32800 (5.3103) Bonnet Actuator, A331 CF6M UNS J92800 (1.4408) for Type 532 A37 316L UNS S31600 (1.4404) for Type 534 & 530 A38291628, A198 DTM	12.8 bar @ 300 °C	16,0 bar		06	ω
534, 530 & 532	Pneumatic	DN 65 - DN150	ASME B16.42 CL. 150 RF	KY148214 KY148209 KY167859	Body/Bonnet, A395 60-40-80 UNS F32800 (5.3103) Bornet-A44190r A331 CFBM UNS 192900 (1.5409-for 1799-512 A479 316L UNS S31609+17013/10_1114-53-46_394 E-BARCHOST, A139 817/M	ASME B16.42 Table 1 up to 300 °C	ASME B16,42 Table 1 @ ambient		06	38
Page 1 of 5	വ				CRN 0 1463, 25 CRN 0 1463, 25 Technical Standards & Safety Authority Technical Standards & Safety Authority Boilers & Pressure Vessels Boilers & Pressure Vessels	8/18				
					3	Acout				



# Notes to Flanged Globe Valve Table above:

- [1] Item in (Brackets) for reference only.[2] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.[3] Consult GEMU catalogue for specific pressures over temperature ranges. DT-Design Temperature RT-Ambient Temperature
- [4] De-ratings per respective ASME B16.5 table 2.2, & ASME B16.42 table I- 1 de-ratings across design temperature range are applicable. [5] ASME B16.5 Group 2.2 maximum pressure at ambient temperature: 19 bar; maximum pressure at 300°C: 10.2 bar [6] ASME B16.42 Table 1 maximum pressure at ambient temperature: 17.2 bar; maximum pressure at 300°C: 10.2 bar [7] Actuator types are outside pressure boundary and provided for information only.





piping
process
1.3
ME B31.3
- ASI
Valves
t Globe
Seat
Angle
Threaded

			6					
Actuator Sizes	Sizes		Process Connection	Drawings	Pressure Retaining Materials	MAWP @ DT [4]	MAWP @ DT [4]   MAWP @ RT [4]   MDMT (°C)	MDMT (°C)
Pneumatic DN10 - DN80	DN10 - DN8	0	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	Body: A351 CF8M UNS J92900 (1.4408) [1] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	15.4 bar @ 300 C	25 bar	
Manual DN10 - DN80	DN10 - DN8	0	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	<u>Body:</u> A351 CF8M UNS 192900 (1.4408) [1] <u>Bonnet:</u> A479 316L UNS S61603 (1.4404)	15.4 bar @ 300 C	25 bar	
Pneumatic DN10 - DN50	DN10 - DN5	0	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	Body:B61 C92200 (CC499K) [6] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	13.5 bar @ 200 C	16 bar	C
Pneumatic DN65 - DN80	DN65 - DN8	0	Female Taper Threaded sockets [2], [4]	KY148212 KY163886	Body:B61 C92200 (CC499K) [6] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	8.5 bar @ 200 C	10 bar	2
Pneumatic DN8 - 15	DN8 - 15		Female Taper Threaded sockets [2], [4]	KY148212 KY163886	<u>Bodγ</u> : A351 CF8M UNS J92900 (1.4408) <u>Bonnet:</u> A479 316L UNS S31603 (1.4404)	15.4 bar @ 200 C	25 bar	
Manual DN8 - 15	DN8 - 15		Female Taper Threaded sockets [2], [4]	KY148212 KY163886	KY148212 <u>Body</u> ; A351 CF8M UNS J92900 (1.4408) KY163886 <u>Bonnet:</u> A479 316L UNS S31603 (1.4404)	15.4 bar @ 200 C	25 bar	
Notes to above table:								

Notes to above table:

[1] Item in (Brackets) for reference only.

[2] Tapered Thread types: NPT (ASME 1.20.1); G (DIN ISO 228); Rc (BS 21)

[3] Tapered Thread types: NPT (ASME 1.20.1); G (DIN ISO 228); Rc (BS 21)

[4] Sizes: G3/8; Rc/NPT/G: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"

[5] G3/8 (DN10) not available in C92200 B61

[6] Alloy correlation to mechanical properties. Chemical composition proprietary for corrosion resistance.

[7] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.

[8] Actuator types are outside pressure boundary and provided for information only.





Туре	Actuator	Sizes	Type Actuator Sizes Process Connection	Drawings	cos piping Pressure Retaining Materials	MAWP @ DT [4]	MAWP @ RT [4]	MDMT (°C)
514, 554, 550 & 555	Pneumatic	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CK20 UNS J94202 (1.4435) [1][7] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type S54, 550 & S55	15.9 bar @ 300 C	25 bar	
505 & 507	Manual	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	<u>Body:</u> A351 CK20 UNS 194202 (1.4435) [1][7] <u>Bonnet:</u> A479 316L UNS S61603 (1.4404)	15.9 bar @ 300 C	25 bar	
514, 554 & 550	Pneumatic	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	15.4 bar @ 300 C	25 bar	
202	Manual	DN10 - DN80	Butt Weld Spigot [8]	KY148211 KY163886	Body: A351 CF8M UNS J92900 (1.4408) Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550	15.4 bar @ 300 C	25 bar	
550	Pneumatic	DN6 - DN15	Butt Weld Spigot [8]	KY148211 KY163886	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404)	15.4 bar @ 300 C	25 bar	
507	Manual	DN6 - DN15	Butt Weld Spigot [8]	KY148211 KY163886	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404)	15.4 bar @ 300 C	25 bar	
514, 554, 550 & 555	Pneumatic	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CK20 UNS J94202 (1.4435) [1][7] Bonnet: A351 CF8M UNS J92900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554, 550 & 555			-10
505 & 507	Manual	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CK20 UNS 194202 (1.4435) [1][7] Bonnet: A479 316L UNS S61603 (1.4404) Ferrule: A182 F316L UNS S31603 (1.4435)			
514, 554 & 550	Pneumatic	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CF8M UNS 192900 (1.4408) Bonnet: A351 CF8M UNS 192900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550 Ferrule: A182 F316L UNS S31603 (1.4435)	DN8 to DN40[9]: 25 bar @ 140 C	DN8 to DN40[9]: 25 bar @ 140 C DNS0 to DN80[10]: IDN50 EDN80[10]: 16 bar	
507	Manual	DN10 - DN80	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A351 CF8M UNS 192900 (1.4408) Bonnet: A351 CF8M UNS 192900 (1.4408) for Type 514 A479 316L UNS S61603 (1.4404) for Type 554 & 550 Ferrule: A182 F316L UNS S31603 (1.4435)	16 bar @ 140 C		
550	Pneumatic	DN6 - DN15	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404) Ferrule: A182 F316L UNS S31603 (1.4435)			
507	Manual	DN6 - DN15	Ferrule to butt weld spigot [7]	KY148211 KY163886 KY146626	Body: A182 F316L UNS S31603 (1.4435) [1] Bonnet: A479 316L UNS S31603 (1.4404) Ferrule: A182 F316L UNS S31603 (1.4435)	PARI	FOF I	
Page 4 of 5	f 5				CRN	0/1796	3.25 ety Authority	

Page 4 of 5

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program



above:
Table
Valves
Globe
ale Seat
le - Ang
1 ferrul
processing
and Blo
Spigot :
lotes to

- (i) I tem in Grackets) for reference only.

  [2] Ferrules are compatible with ASME B31.3 table 326.1 ASME Bioprocessing Equipment Standard dimensions
  [3] Actuator types are outside pressures boundary and provided for information only.

  [3] Actuator types are compatible with ASME B31.3 table 326.1 ASME B30.3 table 326.1 ASME B30.3 table 326.1 ASME B30.3 table 326.1 Design Temperature RT-Ambient Temperature
  [5] Alloy correlation to mechanical properties. Chemical composition properties of ro corrosion resistance.
  [6] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
  [6] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
  [6] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
  [6] Impact testing not required due to -10 C being warmer than MDMT of respective listed materials.
  [7] Ferrule design per ASME B31.3 table 326.1 listed ASME B91.3 table 326.1 list

Matthias Barth Approved by:

Signature:

Global Quality Manager

27th June 2017 Date: The above authorized person confirms that the scope of registration is complete, correct and true.

Boilers & Pressure Vessels Technical Standards & Safety Authority Safety Program



9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4 Tel: (780) 437-9100 / Fax: (780) 437-7787

September 06, 2017

Attention: Chuck Chapman GEMU VALVES INC 3800 CAMP CREEK PARKWAY

BLDG 2600 SUITE 120 ATLANTA, GA 30331 Email: CChapman@gemu.com

The design submission, tracking number 2017-04293, originally received on July 14, 2017 was surveyed and accepted for registration as follows:

**CRN:** 0C17963.2 **Accepted on:** September 06, 2017

**Reg Type:** New Design **Expiry Date:** September 06, 2027

Drawing No.: SCOPE OF REGISTRATION Rev 0

Fitting type: ANGLE SEAT AND FLANGED GLOBE VALVES

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

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

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

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

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

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

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

Sincerely,

SU, YI

DOP Cert. No. D00008398

2017-04293 Page 1 of 1

# Office of the Fire Commissioner

# **Inspections and Technical Services (ITS)**

**Exemption from Registration Requirements for Categories A, B, C and G Category Fittings** 

Date Issued: March 24, 2017 OFC ITSM 17 – 001

In an effort to better align Manitoba's requirements for pressure piping components and pressure relief valves with other provincial authorities, effective April 1, 2017, Category A, B, C and G fittings meeting the requirements in this bulletin will no longer require registration with Inspections and Technical Services.

The exemption from the registration requirements identified in paragraph 4.2 of the CSA B51 code, and paragraphs, and paragraphs 22(1)(e) and (f) of the Steam and Pressure Plants Regulation will apply to:

1. Piping components complying with the standards and specifications listed in ASME B31 Pressure Piping Codes, as identified in Category A, B and C below:

## 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
- 2. Certified pressure relief devices complying with ASME Boiler and Pressure Vessel Codes, as identified in Category G below:

## Category G

Pressure-relief devices marked with an ASME or NB stamp

Non-standard or unlisted piping components that do not comply with the specifications and standards listed in the ASME B31 Pressure Piping codes, and pressure relief devices that do not comply with the requirements of the ASME Boiler and Pressure Vessel Code, will continue to be required to be registered in accordance with the requirements of the CSA B-51 standard, and *the Steam and Pressure Plants Regulation* by submitting the documentation specified in CSA B51 section 4.2.8(b) to the following address:

Attn: Inspection and Technical Services
Office of the Fire Commissioner
508-401 York Avenue
Winnipeg, MB R3C 0P8

Note: Category A, B, C and G fitting registrations received prior to April 1, 2017 will continue to be registered by ITS

## **Reference Documents**

- The Steam and Pressure Plants Act and Regulation
- > CSA B51 Boiler, pressure vessel and pressure piping code

508 - 401 York Avenue Winnipeg Manitoba R3C 0P8 Γ: 204 945-3373 F: 204 948-2309

Toll Free: 1-866-888-8186 (in Manitoba only) 24 Hour Emergency Line: 204 931-2192 Website: www.firecomm.gov.mb.ca

