

November 26, 2018

**Attention:** Tim Cozens  
A R THOMSON GROUP  
215 CLEARSKYE WAY  
RED DEER, AB T4E 0A1

**Email:** cozens.tim@arthomson.com

The design submission, tracking number 2018-06625, originally received on October 04, 2018 was surveyed and accepted for registration as follows:

**CRN :** 0C19107.2

**Accepted on:** November 26, 2018

**Reg Type:** NEW DESIGN

**Expiry Date:** November 26, 2028

**Drawing No. :** QSC503 Rev B

**Fitting type:** VALVE

Design registered in the name of : BMT CO LTD

**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 are ASME B31.1 and B16.34.*

- 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.*

*Unlisted material shall be in compliance with code of construction and suitable for MDMT.*

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

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3388 or fax (780) 437-7787 or e-mail Liu@absa.ca.

Sincerely,



LIU, XING, P. Eng.  
DOP Cert. No. D00008861

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>				<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>		<b>B</b> <small>REV.</small>									
<small>R. Walker</small> <small>WRITTEN BY</small>		<small>Sept. 10, 2018</small> <small>DATE</small>		<small>T. Cozens</small> <small>REVISED BY</small>		<small>Nov. 22, 2018</small> <small>DATE</small>		<small>T. Cozens</small> <small>REVIEWED BY</small>		<small>Sept. 18, 2018</small> <small>DATE</small>		<small>Sept. 18, 2018</small> <small>EFFECTIVE</small>		<small>2</small> <small>PAGE</small>		<small>3</small> <small>OF</small>	
<b>SUBJECT</b> Superlok Valves – Scope of Registration												<b>DCN</b>					

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp. *	Pressure at Design Temp. **				
Instrumentation Manifold Valves SM2/3/5	Fitting Body	ASTM A276 or A479 Grade 316	Female NPT or Flange 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 48-55)
Instrumentation Gauge Valves SGBV/SGBV2	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/4" to 1/2"	6000psig @ 70°F	6000psig @ 450°F	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 56-57)
Swing Out Ball Valves SWB320	Fitting Body	ASTM A351, CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Socket Weld or Butt Weld 1/8" to 2"	Up to 3000psig @ 70°F	Up to 800psig @ 450°F	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 21-25)
Plug Valves SPV130	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 3000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-10°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 58-59)
Rising Plug Valves SRPV	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/4" to 3/4"	Up to 6000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 60-61)
Toggle Valves STV	Fitting Body	ASTM A182 Grade F316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 300psig @ 70°F (See catalog)	Up to 300psig @ 200°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 62-63)
Bleed Valves SBLV	Fitting Body	ASTM A276 Grade 316	Male NPT or ISO Thread End 1/8" to 3/4"	Up to 10,000psig @ 70°F (See catalog)	Up to 6085psig @ 850°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 64)
Purge Valve SPUV	Fitting Body	ASTM A276 Grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	4000psig @ 70°F (See catalog)	Up to 2500psig @ 600°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 65-66)

The pressure ratings in the tables below apply to the 3-way valves configuration only. The pressure rating for all other valves within the scope of this document are shown in the Superlok Canada catalog.

Table 1: Ball, 3-Way Valve Pressure Ratings Table (SBVH360)

Body Size	End Connection Sizes	ASTM A276, grade 316	
		@70F	@446F
		psig	psig
3601	1/4 to 1/2	5000	5000
3602	1/2 to 3/4	4000	3900
3603	3/4 to 1	4000	3800

0019107.2

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 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>			<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>
<small>R. Walker</small> <small>WRITTEN BY</small>	<small>Sept. 10, 2018</small> <small>DATE</small>	<small>T. Cozens</small> <small>REVISED BY</small>	<small>Nov. 22, 2018</small> <small>DATE</small>	<small>T. Cozens</small> <small>REVIEWED BY</small>	<small>Sept. 18, 2018</small> <small>DATE</small>	<small>Sept. 18, 2018</small> <small>EFFECTIVE</small>
<b>SUBJECT</b> Superlok Valves – Scope of Registration						<b>DCN</b>
					<b>3</b> <small>PAGE</small>	<b>3</b> <small>OF</small>

Table 2: Forged High Pressure, 3-Way Valve Pressure Ratings Table (SBVF360, SBVL360)

Body Size	End Connection Sizes	ASTM A276, grade 316 or ASTM A182, grade 316		ASTM A276, grade 316 or ASTM A351, grade CF8M	
		SBVF360	SBVF360	SBVL360	SBVL360
		psig @70F	psig @450F	psig @70F	psig @400F
3601	1/8 to 1/4	6000	6000	6000	700
3602	1/4 to 3/8	5000	5000	6000	700
3603	3/8 to 3/4	4500	4400	4500	700

### Document Revision History

The following table lists the revision made to this document each time when this document is modified.

Rev.#	Description	Date	Author	Approver
B	Added Table 1 and 2 and updated design conditions for SBVH, SBVF and SBVL valves in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens
B	Seperated SBVF and SBVL into separate rows in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens

**ABSA**

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. 0C19107.2

DWG. NO. or CAT. NO. QSC503 Rev B

TYPE OF FITTINGS Valve

2018-11-26 Date INITIALS dl

XING LIU, P.Eng.  
DESIGN SURVEY ENGINEER

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Registered No. 2018 - 1829



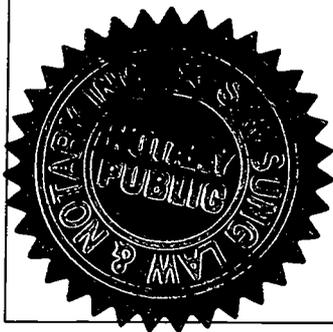
# NOTARIAL CERTIFICATE

**SAMSUNG LAW & NOTARY OFFICE INC.**

Belong to Ulsan District Prosecutor's Office

168, Jungang-Ro, Yangsan-City, Gyeongsangnam-Do, Korea

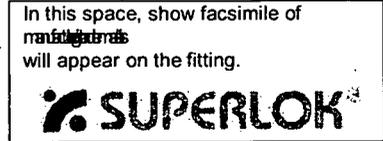
TEL : +82 55 372-5599



STATUTORY DECLARATION Registration of Fittings

I, Mr Jong Chan, Yoon, President of BMT Co., Ltd. (name of applicant) (position title) (must be in a position of authority) (name of manufacturer)

located at 21-1 BukJeong-Dong, YangSan-si, GyungSangNam-Do, Korea (plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.1 and ASME B16.34 which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, HSB Registration Service as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement (brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

Superlok catalog, Design reports, AR Thomson System Procedure # QSC503

DECLARED before me at Yangsan in the Gyeongsang namdo of Korea (city) (province or state)

this 19th day of September, 2018 (Month) (Year)

(print) JANG WOON YEOUNG (a Commissioner of Oaths or Notary Public)

(sign) Jang Woon Yeoung (a Commissioner of Oaths or Notary Public)

(signature of applicant)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category C

Registration Number: 0C19107.2 (Signature of the Administrator/SCO)

Date Registered: 2018-11-26 Expiry Date: 2028-11-26

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

# 법무법인 삼성

등부 2018 년 제 1829 호

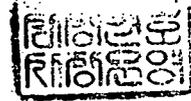
Registered No. 2018 - 1829

## 인 증

## Notarial Certificate

위 **등록신청서** 에 기재된 촉탁인  
주식회사 비엠티 대표이사 윤종찬  
의 대리인 박세진은 본 공증인의 면전  
에서 위 사서증서에 위 본인이 기명날  
인한 것임을 확인하였다.

SE JIN PARK attorney-in-fact of  
JONG CHAN, YOON, President of  
BMT Co., Ltd. appeared before me  
and admitted principal's subscription to  
the attached the **STATUTORY  
DECLARATION REGISTRATION OF  
FITTINGS.**



2018 년 9 월 19 일 이 사무소에  
서 위 인증한다.

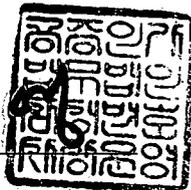
This is hereby attested on this 19<sup>th</sup> day  
of SEP., 2018. at this office.

법무법인 삼성  
소속 울산지방검찰청  
경남 양산시 중앙로 168. 2층

SAMSUNG Law & Notary Office INC.  
Belong to Ulsan District Prosecutor's Office  
168, Jungang-Ro, Yangsan-City,  
Gyeongsangnam-do, Korea.

공증담당  
변호사

강운영



Jang Woon Yeong

Signature of the Notary Public

JANG WOON YEOUNG

This office has been authorized by the  
Minister of Justice, the Republic of Korea to  
act as Notary Public since Feb. 7. 2015.  
under Law No. 220.

5 // FILE PATH : BMT /6BALL VALVE / SBV120H / STRAIGHT / SBV120H1 / BODY / BV120H1-S4

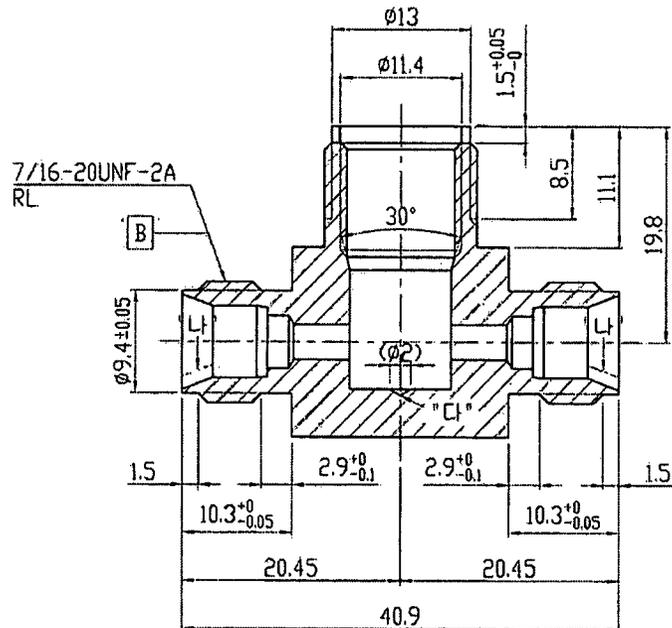
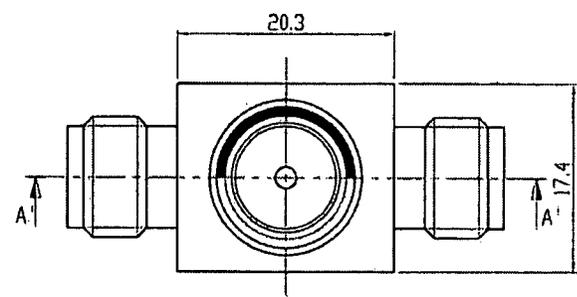
전산등록완료

DATE & SIGN

NO.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	1/4"	A182 F316	1	-

BODY

N8 / (N6 /)



SECTION A'-A'

REFERENCE

2018.08.09

주요 가공 POINT

- 가. 표면거칠기 : N6 / RLB
- 나. 표면거칠기 : N6 / RLB

다. 1차 드릴 Ø5이하 드릴 반드시 사용할것.  
(바닥 드릴홀 치수 Ø2는 Ø5드릴 깊이 24.67mm가공시 치수)

NOTE

- 소재 표면에 유해한 흠집이 없을것.
- 이물질 및 BURR 제거를 확실히 할것
- 지시없는 모서리는 R0.3
- 지시없는 공차는 일반공차 2급 적용.
- 지시없는 각도 공차는 ±0.5°
- FSBV120H1 단조 사용
- 나사적용 규격 - UNF : ISO 725 / ASME B1.1

OC19107.2

기공 & 공정기호		기호	구경				표면조도				단위 / 치수	1급 (1st Grade)	2급 (2nd Grade)	3급 (3rd Grade)	REV	DATE	REVISION DESCRIPTION
최대	최소		최대	최소	최대	최소	최대	최소									
최대	최소	0.05	0.2	0.02	0.02	0.05	0.2	0.02	0.02	0.05	0.2	0.02	0.02	0.05			
최대	최소	1.03	0.4	1.02	0.4	3.25	0.8	3.22	0.8	0.05	0.10	0.10	0.10				
최대	최소	5.33	2.0	5.32	2.0	12.55	3.2	12.52	3.2	0.15	0.30	0.30	0.30				
최대	최소	25.0	25.0	25.0	25.0	50.0	50.0	50.0	50.0	0.50	0.50	1.20	1.20				
최대	최소	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	0.50	0.50	2.00	2.00				

REV	DATE	REVISION DESCRIPTION	SCALE	1/1
TITLE			SHEET NO	1 of 1
BALL VALVE - SBV120H1			DATE	18.08.16
1/4" - BODY				
DESIGN	CHECKED	APPROVED	DWG NO	BV120H1-S4
Y. J. JI				
주) 비엔티 B.M.T. CO., LTD.				REV. NO.
				0

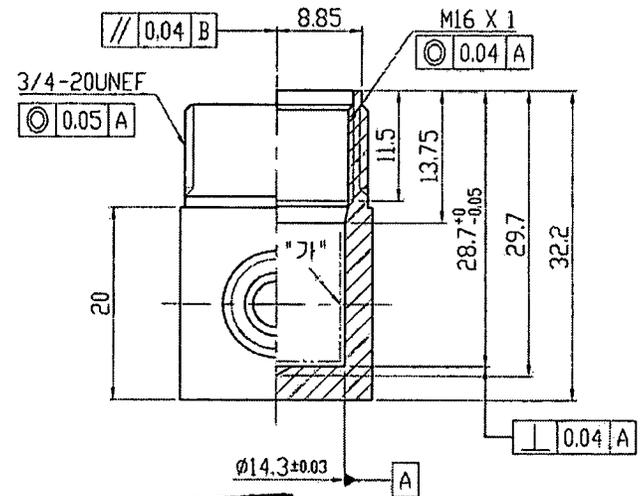
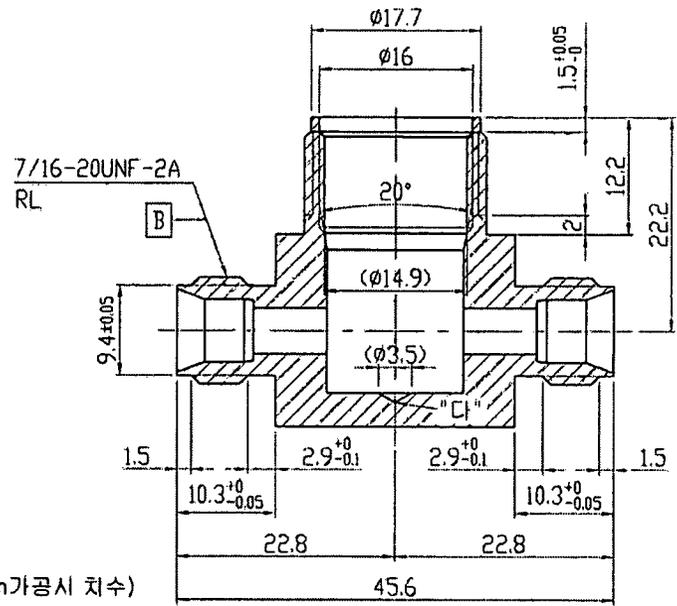
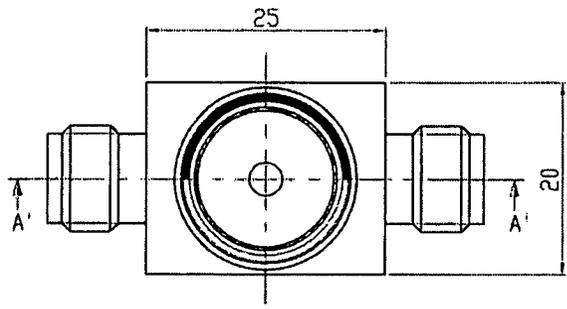
전산등록완료

DATE & SIGN

No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	1/4"	A182 F316	1	-

BODY

N8 / (N6)



주요 가공 POINT

- 가. 표면거칠기 : N6
- 나. 표면거칠기 : N6 RL B

다. i차 드릴 ø5이하 드릴 반드시 사용할것.  
(바닥 드릴출 치수 ø3.5는 ø5드릴 깊이 29.7mm가공시 치수)

NOTE

- 소재 표면에 유해한 흠집이 없을것.
- 이물질 및 BURR 제거를 확실히 할것
- 지시없는 모서리는 R0.3
- 지시없는 공차는 일반공차 2급 적용.
- 지시없는 각도 공차는 ±0.5°
- FSBV120H2 단조 사용
- 나사적용 규격 - UNF : ISO 725 / ASME B1.1  
METRIC : ISO 261

SECTION A'-A'

REFERENCE

2018.08.09

기공 & 공정기호		구분	표면 조도				단위 / mm				REV	DATE	REVISION DESCRIPTION			
공조	RL	도장	PA	0.55	0.8	0.7	0.82	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.80	1.00
연삭	RL	도장	PA	1.65	1.6	0.4	1.02	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.80	1.00
연삭	RL	도장	PA	4.25	3.2	0.8	3.22	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.80	1.00
연삭	RL	도장	PA	8.33	8.3	1.8	8.37	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.80	1.00
연삭	RL	도장	PA	12.52	12.5	3.2	12.52	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.80	1.00
연삭	RL	도장	PA	25.0	25.0	6.3	25.0	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.80	1.00
연삭	RL	도장	PA	50.0	50.0	12.5	50.0	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.80	1.00

REV	DATE	REVISION DESCRIPTION	SCALE	1/1

TITLE	SCALE	SHEET NO	TOTAL
BALL VALVE - SBV120H2 1/4" - BODY		1 OF 1	

DATE	CHECKED	APPROVED	DWG NO	REV NO
			BV120H2-S4	0

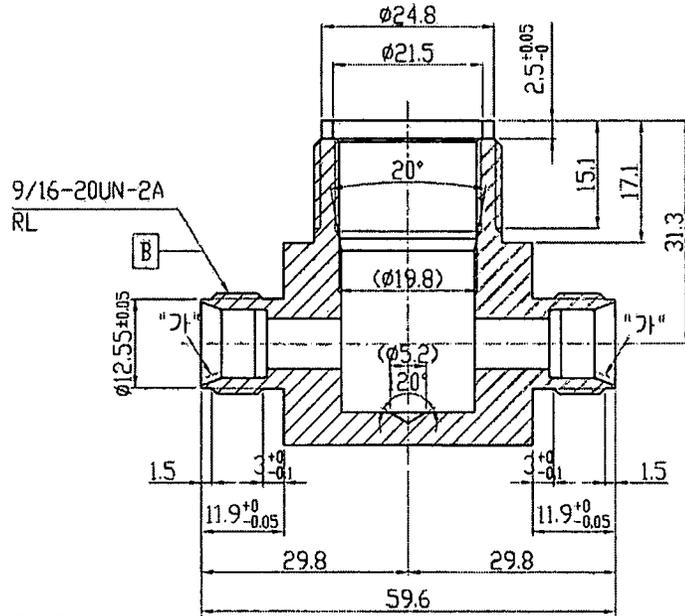
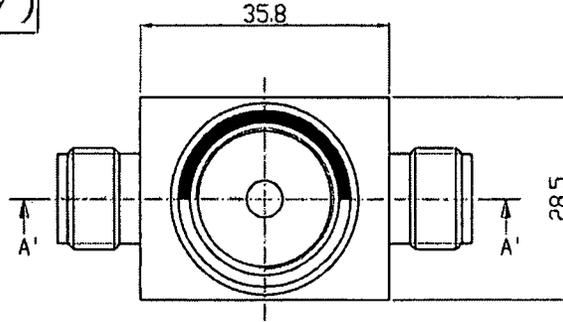
전산등록완료

DATE & SIGN

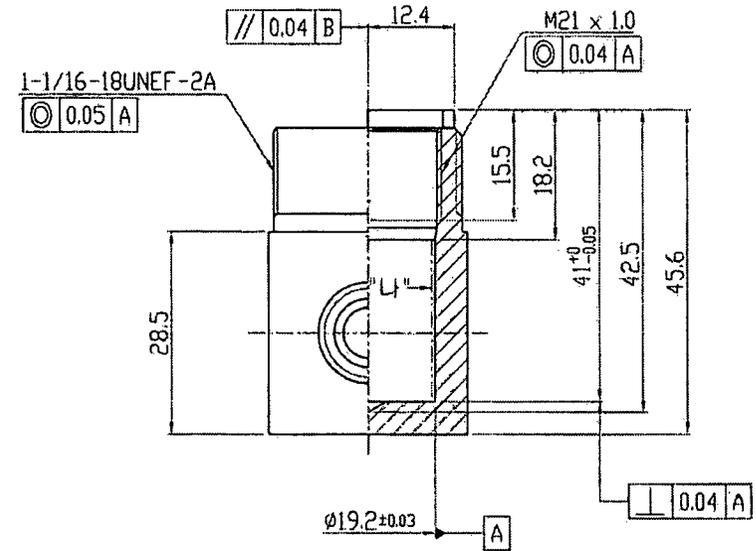
No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	3/8"	A182 F316	1	-

BODY

N8 / (N6 /)



SECTION A'-A'



**REFERENCE**

주요 가공 POINT

- 가. 표면거칠기 : N6 / RLB
- 나. 표면거칠기 : N6 /

다. 1차 드릴 Ø8이하 드릴 반드시 사용될것.  
(바닥 드릴용 치수 Ø5.2는 Ø8드릴 깊이 42.5mm가공시 치수)

NOTE

1. 소재 표면에 유해한 흠집이 없을것.
2. 이음질 및 BURR 제거를 확실히 할것
3. 지시없는 모서리는 R0.3
4. 지시없는 공차는 일반공차 2급 적용.
5. 지시없는 각도 공차는 ±0.5°
6. FSBV120H3. 단조 사용
7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1  
-- METRIC : ISO 261

기공 & 공차기호		구공		표면 거칠기		2018.08.09		단조 / mm		REV	DATE	REVISION DESCRIPTION
원소	RL	PA	PA	0.85	0	0.2	0.02	1급	2급	3급		
대니얼	RL	도공	RL	1.05	10	0.4	1.00	사수	111.0mm	216.0mm	216.0mm	
발진	RT	코팅	LT	3.25	32	3.2	0.05	0.25	0.10	0.20		
선연	OP	산세	SP	0.30	03	1.0	0.02	0.10	0.20	0.50		
면역	PL	부연	PA	12.50	025	3.2	12.52	30 - 100	0.15	0.30	0.60	
면역	PL	공차	H	250	250	0.5	250	100 - 400	0.20	0.50	1.20	
면역	PL	공차	H	500	600	12.5	502	400 - 1000	0.20	0.50	2.00	
면역	PL	공차	H	1000	1000	12.5	1000	1000 이상	0.20	1.00	3.00	

TITLE	SCALE	1/1
BALL VALVE - SBV120H3	SCALE	1/1
3/8" - BODY	SHEET NO	1 OF 1
	DATE	18.08.22

DRAWN	CHECKED	APPROVED	DWG NO
R.G.S			SV120H3-S6

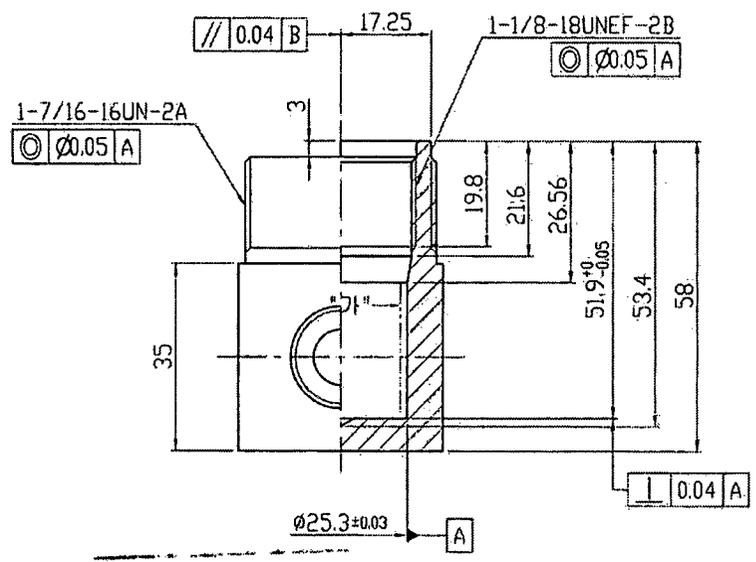
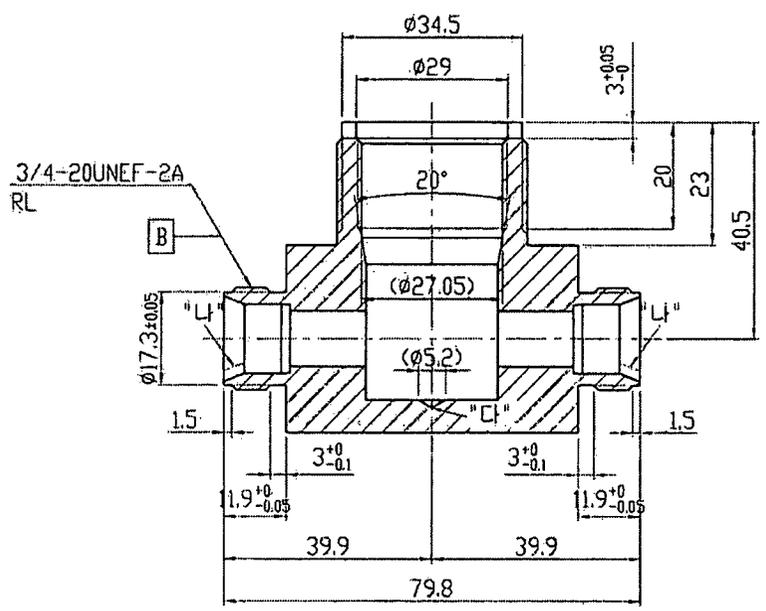
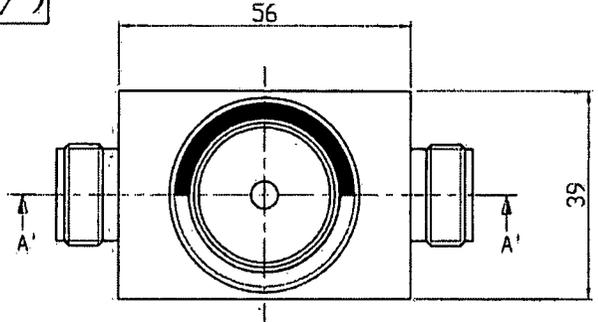
  

주) 비엠티	REV NO.
BMT CO., LTD.	0

5 // FILE PATH : BMT / 8BALL VALVE / SBV120H / STRAIGHT / SBV120H4 / BODY / BV120H4-S8

No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	1/2"	A182 F316	1	-

전산등록완료  
DATE & SIGN  
BODY  
N8 / (N6)



**REFERENCE**

주요 가공 POINT

- 가. 표면거칠기 : N6
- 나. 표면거칠기 : N6 RLB

다. 1차 드릴 Ø8이하 드릴 반드시 사용할것.  
(바닥 드릴출 치수 Ø5.2는 Ø8드릴 길이 53.4mm가공시 치수)

SECTION A-A'

- NOTE
1. 소재 표면에 유해한 흠집이 없을것.
  2. 이물질 및 BURR 제거를 확실히 할것
  3. 지시없는 모서리는 R0.3
  4. 지시없는 공차는 일반공차 2급 적용.
  5. 지시없는 각도 공차는 ±0.5°
  6. FSBV120H4 단조 사용.
  7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1

2018.06.09

가공 & 공정기호		구분	표면조도				단위 / mm	공차 (±)	REV	DATE	REVISOR DESCRIPTION
연삭	RL	도광	PL	0.85	0.2	0.82	1급	1			
내나선	RLB	도광	PL	1.65	0.4	1.62	2급	2			
연삭	CD	도광	PL	3.25	0.8	3.22	3급	3			
연삭연삭	BP	사출	SEP	0.35	0.1	0.32	4급	4			
연삭	0	부품대	PA	12.50	3.2	12.52	5급	5			
연삭	0F	알차려	H	25	6.3	25.2	6급	6			
연삭	0F	유선	H	505	500	12.5	7급	7			

REV	DATE	REVISOR DESCRIPTION	SCALE	1/1

TITLE	SCALE	SHEET NO.	DATE	REV. NO.
BALL VALVE - SBV120H4 1/2" - BODY	1/1	1 of 1		

DRAWN	CHECKED	APPROVED	DWG. NO.	REV. NO.
			BV120H4-S8	0

주) 비엠티  
BMT CO., LTD.  
A4 (297/272)

전산등록완료

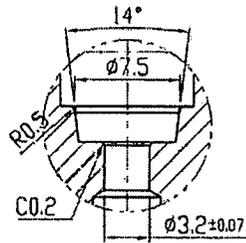
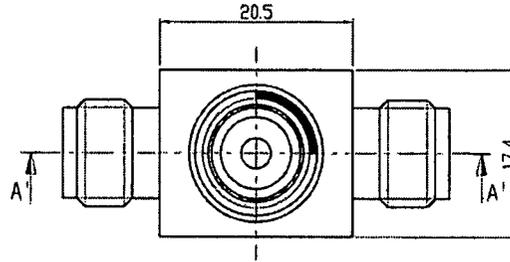
DATE & SIGN

BODY

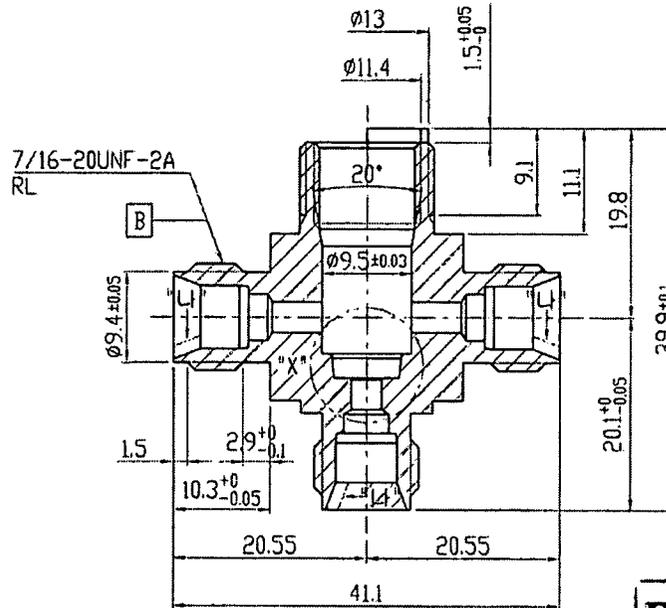
N8 / (N6)

// FILE PATH : BMT & BALL VALVE / SBV120H / 3-WAY / SBV120H13 / BODY / BV120H13-S4

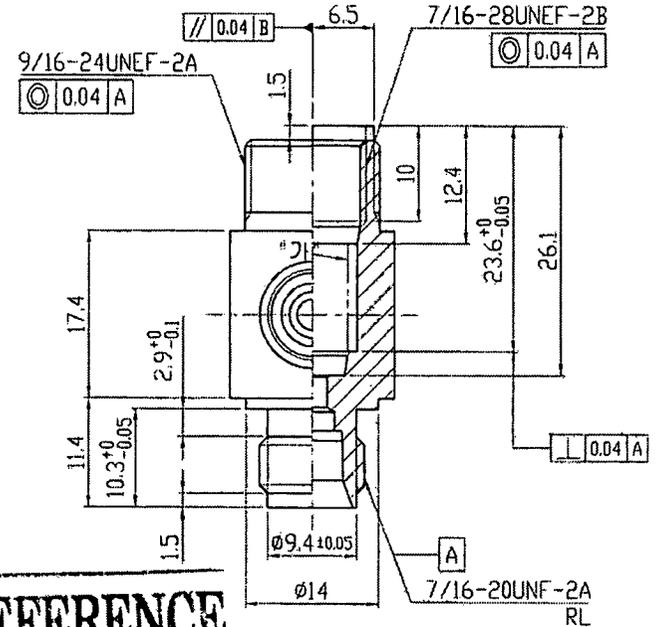
No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	1/4"	A182 F316	1	-



DETAIL "X"  
SCALE 1.5:1



SECTION A'-A'



**REFERENCE**

주요 가공 POINT

- 가. 표면거칠기 : N6
- 나. 표면거칠기 : N6 RL B

NOTE

- 소재 표면에 유해한 흠집이 없을것.
- 이물질 및 BURR 제거를 확실히 할것
- 지시없는 모서리는 R0.3
- 지시없는 공차는 일반공차 2급 적용.
- 지시없는 각도 공차는 ±0.5°
- FSBV120H13 단조 사용
- 나사적용 규격 - UNF : ISO 725 / ASME B1.1

가공 & 공정기준		기호	단위	표면	중	조	도	2018.08.09	REV	DATE	REVISION DESCRIPTION
연삭	RL	도상	PL	0.80	0	0.2	0.80	치수	1		
연삭	RL	도상	PL	1.80	10	0.4	1.80	공차 (±)	1		
연삭	RL	도상	PL	3.75	30	0.8	3.75	1급	2		
연삭	RL	도상	PL	9.25	50	1.6	9.25	2급	3		
연삭	RL	도상	PL	12.55	125	3.2	12.55	3급	4		
연삭	RL	도상	PL	20	250	6.4	20	4급	5		
연삭	RL	도상	PL	30	500	12.5	30	5급	6		
연삭	RL	도상	PL	50	1000	20	50	6급	7		
연삭	RL	도상	PL	80	1500	30	80	7급	8		
연삭	RL	도상	PL	125	2500	48	125	8급	9		
연삭	RL	도상	PL	200	4000	80	200	9급	10		
연삭	RL	도상	PL	300	6000	120	300	10급	11		
연삭	RL	도상	PL	500	10000	200	500	11급	12		
연삭	RL	도상	PL	800	15000	300	800	12급	13		
연삭	RL	도상	PL	1250	25000	480	1250	13급	14		
연삭	RL	도상	PL	2000	40000	800	2000	14급	15		
연삭	RL	도상	PL	3000	60000	1200	3000	15급	16		
연삭	RL	도상	PL	5000	100000	2000	5000	16급	17		
연삭	RL	도상	PL	8000	150000	3000	8000	17급	18		
연삭	RL	도상	PL	12500	250000	4800	12500	18급	19		
연삭	RL	도상	PL	20000	400000	8000	20000	19급	20		
연삭	RL	도상	PL	30000	600000	12000	30000	20급	21		

주) 비엠티  
BMT CO., LTD.



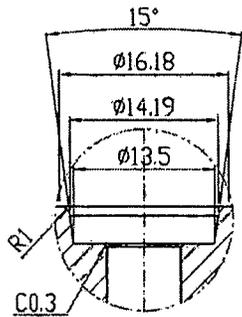
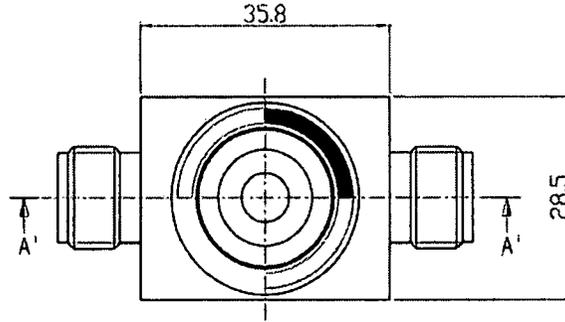
전산등록완료

DATE & SIGN

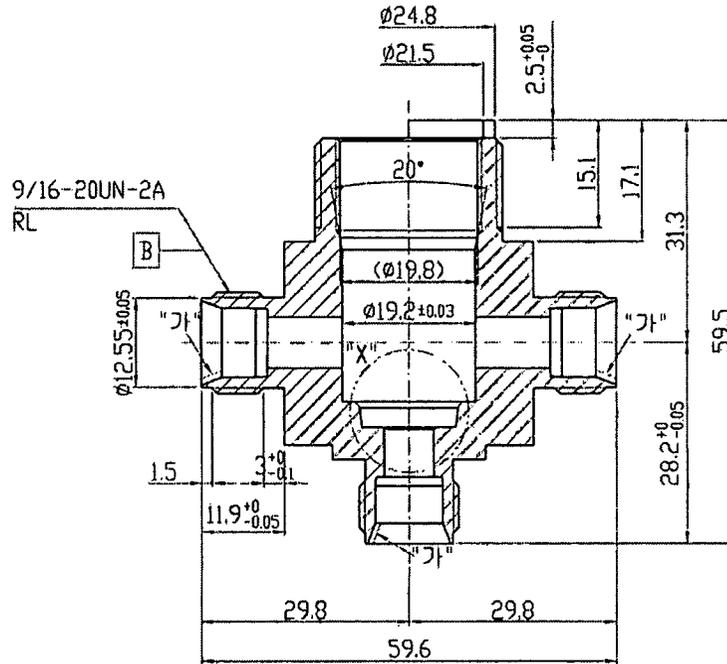
No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	3/8"	A182 F316	1	-

BODY

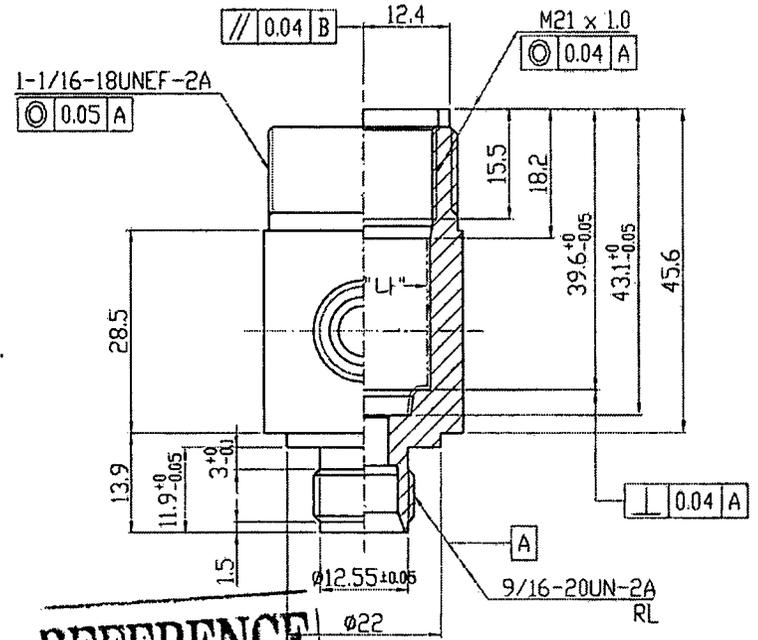
NB / ( N6 / )



DETAIL "X"  
SCALE 1.5:1



SECTION A'-A'



**REFERENCE**

주요 가공 POINT

- 가. 표면거칠기 : N6 / RLB
- 나. 표면거칠기 : N6 /

NOTE

- 소재 표면에 유해한 흠집이 없을것.
- 이물질 및 BURR 제거를 확실히 할것
- 지시없는 모서리는 R0.3
- 지시없는 공차는 일반공차 2급 적용.
- 지시없는 각도 공차는 ±0.5°
- FSBV120H33 단조 사용
- 니사적용 규격 - UNF : ISO 725 / ASME B1.1  
- METRIC : ISO 261

가공 & 공정기호		구분	표면조도				공차 (±)			REV	DATE	REVISION DESCRIPTION
연삭	PA	▽	0.8	0.2	0.27	1급	2급	3급				
밀링	PA	▽	1.6	0.4	1.62	1급	2급	3급				
연삭	PA	▽	3.2	0.8	3.22	4급	5급	6급				
연삭	PA	▽	6.3	1.6	6.32	7급	8급	9급				
연삭	PA	▽	12.5	3.2	12.52	10급	11급	12급				
연삭	PA	▽	25	6.3	25.2	13급	14급	15급				
연삭	PA	▽	50	12.5	50.2	16급	17급	18급				
연삭	PA	▽	100	25	100.2	19급	20급	21급				
연삭	PA	▽	200	50	200.2	22급	23급	24급				
연삭	PA	▽	400	100	400.2	25급	26급	27급				
연삭	PA	▽	800	200	800.2	28급	29급	30급				
연삭	PA	▽	1600	400	1600.2	31급	32급	33급				
연삭	PA	▽	3200	800	3200.2	34급	35급	36급				
연삭	PA	▽	6400	1600	6400.2	37급	38급	39급				
연삭	PA	▽	12800	3200	12800.2	40급	41급	42급				

주) 비엔티  
BMT CO., LTD.

전산등록완료

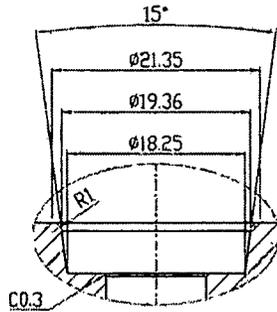
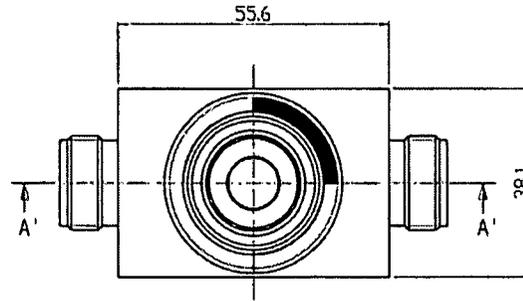
DATE & SIGN

BODY

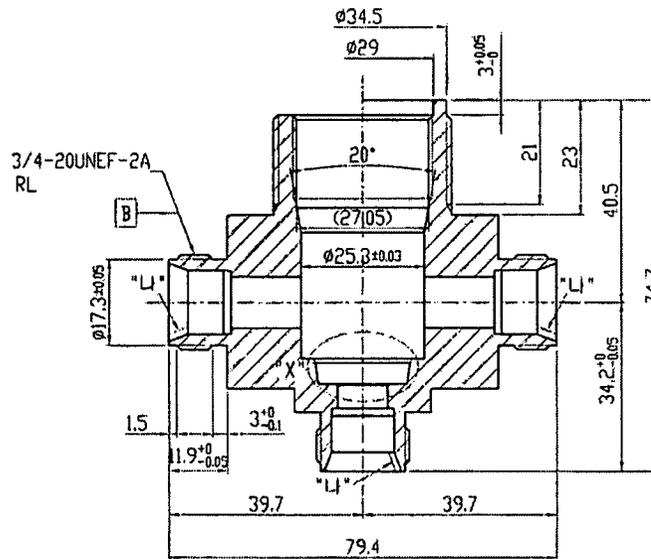
N8 / (N6)

// FILE PATH : BMT of BALL VALVE / SBV120H / 3-WAY / SBV120H43 / BODY / BV120H43-S8

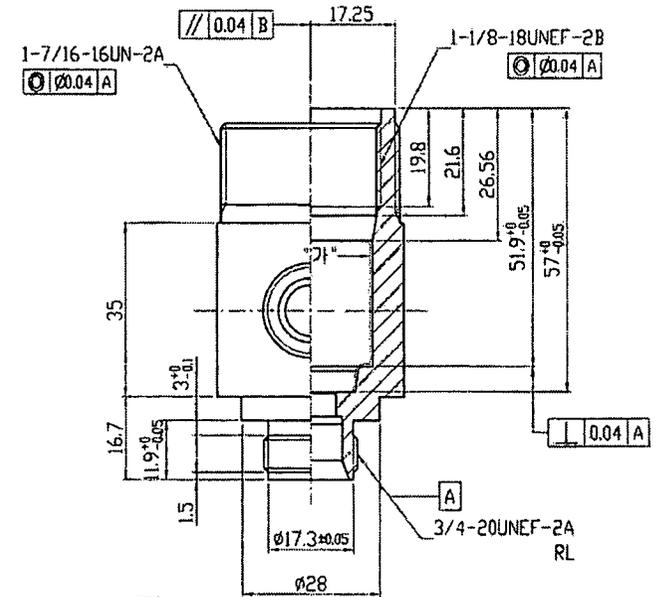
No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	1/2"	A182 F316	1	-



DETAIL "X"  
SCALE 2:1



SECTION A'-A'



주요 가공 POINT

- 가. 표면거칠기 : N6
- 나. 표면거칠기 : N6 RLB

NOTE

- 소재 표면에 유해한 흠집이 없을것.
- 이물질 및 BURR 제거를 확실히 할것
- 지시없는 모서리는 R0.3
- 지시없는 공차는 일반공차 2급 적용.
- 지시없는 각도 공차는 ±0.5°
- FSB120H43 단조 사용
- 나사적용 규격 - UNF : ISO 725 / ASME B1.1

REFERENCE

가공 & 검사기호		구분	표면 거칠기			공차 (±)			REV	DATE	REVISION DESCRIPTION
연삭	RL	도입	PL	0.8	8	0.2	0.8	1급	2급	3급	
연삭	RL	도입	PL	1.6	16	0.4	1.6	1급	2급	3급	
연삭	RL	도입	PL	3.2	32	0.8	3.2	1급	2급	3급	
연삭	RL	도입	PL	6.3	63	1.6	6.3	1급	2급	3급	
연삭	RL	도입	PL	12.5	125	3.2	12.5	1급	2급	3급	
연삭	RL	도입	PL	25	250	6.3	25	1급	2급	3급	
연삭	RL	도입	PL	50	500	12.5	50	1급	2급	3급	
연삭	RL	도입	PL	100	1000	25	100	1급	2급	3급	
연삭	RL	도입	PL	200	2000	50	200	1급	2급	3급	
연삭	RL	도입	PL	400	4000	100	400	1급	2급	3급	
연삭	RL	도입	PL	800	8000	200	800	1급	2급	3급	
연삭	RL	도입	PL	1600	16000	400	1600	1급	2급	3급	
연삭	RL	도입	PL	3200	32000	800	3200	1급	2급	3급	
연삭	RL	도입	PL	6400	64000	1600	6400	1급	2급	3급	
연삭	RL	도입	PL	12800	128000	3200	12800	1급	2급	3급	
연삭	RL	도입	PL	25600	256000	6400	25600	1급	2급	3급	
연삭	RL	도입	PL	51200	512000	12800	51200	1급	2급	3급	
연삭	RL	도입	PL	102400	1024000	25600	102400	1급	2급	3급	
연삭	RL	도입	PL	204800	2048000	51200	204800	1급	2급	3급	
연삭	RL	도입	PL	409600	4096000	102400	409600	1급	2급	3급	
연삭	RL	도입	PL	819200	8192000	204800	819200	1급	2급	3급	
연삭	RL	도입	PL	1638400	16384000	409600	1638400	1급	2급	3급	
연삭	RL	도입	PL	3276800	32768000	819200	3276800	1급	2급	3급	
연삭	RL	도입	PL	6553600	65536000	1638400	6553600	1급	2급	3급	
연삭	RL	도입	PL	13107200	131072000	3276800	13107200	1급	2급	3급	
연삭	RL	도입	PL	26214400	262144000	6553600	26214400	1급	2급	3급	
연삭	RL	도입	PL	52428800	524288000	13107200	52428800	1급	2급	3급	
연삭	RL	도입	PL	104857600	1048576000	26214400	104857600	1급	2급	3급	
연삭	RL	도입	PL	209715200	2097152000	52428800	209715200	1급	2급	3급	
연삭	RL	도입	PL	419430400	4194304000	104857600	419430400	1급	2급	3급	
연삭	RL	도입	PL	838860800	8388608000	209715200	838860800	1급	2급	3급	
연삭	RL	도입	PL	1677721600	16777216000	419430400	1677721600	1급	2급	3급	
연삭	RL	도입	PL	3355443200	33554432000	838860800	3355443200	1급	2급	3급	
연삭	RL	도입	PL	6710886400	67108864000	1677721600	6710886400	1급	2급	3급	
연삭	RL	도입	PL	13421772800	134217728000	3355443200	13421772800	1급	2급	3급	
연삭	RL	도입	PL	26843545600	268435456000	6710886400	26843545600	1급	2급	3급	
연삭	RL	도입	PL	53687091200	536870912000	13421772800	53687091200	1급	2급	3급	
연삭	RL	도입	PL	107374182400	1073741824000	26843545600	107374182400	1급	2급	3급	
연삭	RL	도입	PL	214748364800	2147483648000	53687091200	214748364800	1급	2급	3급	
연삭	RL	도입	PL	429496729600	4294967296000	107374182400	429496729600	1급	2급	3급	
연삭	RL	도입	PL	858993459200	8589934592000	214748364800	858993459200	1급	2급	3급	
연삭	RL	도입	PL	1717986918400	17179869184000	429496729600	1717986918400	1급	2급	3급	
연삭	RL	도입	PL	3435973836800	34359738368000	858993459200	3435973836800	1급	2급	3급	
연삭	RL	도입	PL	6871947673600	68719476736000	1717986918400	6871947673600	1급	2급	3급	
연삭	RL	도입	PL	13743895347200	137438953472000	3435973836800	13743895347200	1급	2급	3급	
연삭	RL	도입	PL	27487790694400	274877906944000	6871947673600	27487790694400	1급	2급	3급	
연삭	RL	도입	PL	54975581388800	549755813888000	13743895347200	54975581388800	1급	2급	3급	
연삭	RL	도입	PL	109951162777600	1099511627776000	27487790694400	109951162777600	1급	2급	3급	
연삭	RL	도입	PL	219902325555200	2199023255552000	54975581388800	219902325555200	1급	2급	3급	
연삭	RL	도입	PL	439804651110400	4398046511104000	109951162777600	439804651110400	1급	2급	3급	
연삭	RL	도입	PL	879609302220800	8796093022208000	219902325555200	879609302220800	1급	2급	3급	
연삭	RL	도입	PL	1759218604441600	17592186044416000	439804651110400	1759218604441600	1급	2급	3급	
연삭	RL	도입	PL	3518437208883200	35184372088832000	879609302220800	3518437208883200	1급	2급	3급	
연삭	RL	도입	PL	7036874417766400	70368744177664000	1759218604441600	7036874417766400	1급	2급	3급	
연삭	RL	도입	PL	14073748835532800	140737488355328000	3518437208883200	14073748835532800	1급	2급	3급	
연삭	RL	도입	PL	28147497671065600	281474976710656000	7036874417766400	28147497671065600	1급	2급	3급	
연삭	RL	도입	PL	56294995342131200	562949953421312000	14073748835532800	56294995342131200	1급	2급	3급	
연삭	RL	도입	PL	112589990684262400	1125899906842624000	28147497671065600	112589990684262400	1급	2급	3급	
연삭	RL	도입	PL	225179981368524800	2251799813685248000	56294995342131200	225179981368524800	1급	2급	3급	
연삭	RL	도입	PL	450359962737049600	4503599627370496000	112589990684262400	450359962737049600	1급	2급	3급	
연삭	RL	도입	PL	900719925474099200	9007199254740992000	225179981368524800	900719925474099200	1급	2급	3급	
연삭	RL	도입	PL	1801439850948198400	18014398509481984000	450359962737049600	1801439850948198400	1급	2급	3급	
연삭	RL	도입	PL	3602879701896396800	36028797018963968000	900719925474099200	3602879701896396800	1급	2급	3급	
연삭	RL	도입	PL	7205759403792793600	72057594037927936000	1801439850948198400	7205759403792793600	1급	2급	3급	
연삭	RL	도입	PL	14411518807585587200	144115188075855872000	3602879701896396800	14411518807585587200	1급	2급	3급	
연삭	RL	도입	PL	28823037615171174400	288230376151711744000	7205759403792793600	28823037615171174400	1급	2급	3급	
연삭	RL	도입	PL	57646075230342348800	576460752303423488000	14411518807585587200	57646075230342348800	1급	2급	3급	
연삭	RL	도입	PL	115292150460684697600	1152921504606846976000	28823037615171174400	115292150460684697600	1급	2급	3급	
연삭	RL	도입	PL	230584300921369395200	2305843009213693952000	57646075230342348800	230584300921369395200	1급	2급	3급	
연삭	RL	도입	PL	461168601842738790400	4611686018427387904000	115292150460684697600	461168601842738790400	1급	2급	3급	
연삭	RL	도입	PL	922337203685477580800	9223372036854775808000	230584300921369395200	922337203685477580800	1급	2급	3급	
연삭	RL	도입	PL	1844674407370955161600	18446744073709551616000	461168601842738790400	1844674407370955161600	1급	2급	3급	
연삭	RL	도입	PL	3689348814741910323200	36893488147419103232000	922337203685477580800	3689348814741910323200	1급	2급	3급	
연삭	RL	도입	PL	7378697629483820646400	73786976294838206464000	1844674407370955161600	7378697629483820646400	1급	2급	3급	
연삭	RL	도입	PL	14757395258967641292800	147573952589676412928000	3689348814741910323200	14757395258967641292800	1급	2급	3급	
연삭	RL	도입	PL	29514790517935282585600	295147905179352825856000	7378697629483820646400	29514790517935282585600	1급	2급	3급	
연삭	RL	도입	PL	59029581035870565171200	590295810358705651712000	14757395258967641292800	59029581035870565171200	1급	2급	3급	
연삭	RL	도입	PL	118059162071741130342400	1180591620717411303424000	29514790517935282585600	118059162071741130342400	1급	2급	3급	
연삭	RL	도입	PL	236118324143482260684800	2361183241434822606848000	59029581035870565171200	236118324143482260684800	1급	2급	3급	
연삭	RL	도입	PL	472236648286964521369600	4722366482869645213696000	118059162071741130342400	472236648286964521369600	1급	2급	3급	
연삭	RL	도입	PL	944473296573929042739200	9444732965739290427392000	236118324143482260684800	94447329				

ALBERTA BOILERS SAFETY ASSOCIATION  
9410 20 AVENUE NW  
EDMONTON AB T6N 0A4

**Date:** February 19, 2019  
**Account #:** 34986  
**Journal #:** 72557

**Attn:** CYNTHIA FORMANIUK

**Re:** Application for Design Registration

The design, as detailed in your, 2018-06625, for a Fitting is accepted for registration as follows:

**Registered To:** BMT CO LTD

**CRN:** 0C19107.21

**Drawing #:** QSC503

**Drawing Revision:** B

**Conditions Of Registration:**

Registration of a Superlok Valves s per attached SOR.

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

**Reviewer's Notes:**

As per ABSA: The code of construction is ASME B31.1 and B16.34.

As required by CSA B51 4.2.1, this registration expires on November 26, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Unlisted material shall be in compliance with code of construction and suitable MDMT.

---

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

Emilia Tam

[emilia.tam@technicalsaftybc.ca](mailto:emilia.tam@technicalsaftybc.ca)  
Design Administration

**cc:**

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>				<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>	
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISOR BY</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVISOR BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018	<small>PAGE</small> 1	<small>OF</small> 3
<b>SUBJECT</b> Superlok Valves – Scope of Registration						<b>DCN</b>		

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Ball Valve SBV120H	Fitting Body	ASTM A182 grade B16	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/16" to 3/4"	Up to 3000psig @ 70°F (See catalog)	Up to 3000psig @ 150°F (See catalog)	50°F (10°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 2-5)
Ball Valve SBV210/SBV1210	Fitting Body	ASTM A276 grade 316 / ASTM A182 grade 316 / ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/4" to 1"	1000psig @ 70°F (See catalog)	280psig @ 450°F (See catalog)	32°F (0°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 6-8, 12-13)
Ball Valve (SBVH360)	Fitting Body	ASTM A276, grade 316	Superlok Tube fitting CRN 0A18364.5C or Female NPT or Male NPT 1/4" to 1"	Up to 5000psig @ 70°F (See Table 1 below)	Up to 5000psig @ 446°F (See Table 1 below)	-65°F (-54°C) with PEEK seat	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 9-11)
Trunnion Ball Valve (SBT)	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 6000psig @ 70°F (See catalog)	Up to 1500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Trunnion Ball Valve (SBTH)	Fitting Body	ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 10,000psig @ 70°F (See catalog)	Up to 500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Forged High Pressure Ball Valve SBVF360	Fitting Body	ASTM A182, grade 316 ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 6000psig @ 450°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 29-32)
Forged High Pressure Locking Ball Valve SBVLS60	Fitting Body	ASTM A276 grade 316 ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 700psig @ 400°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 14-16)
Integral Bonnet Needle Valves SINV	Fitting Body	ASTM A182, grade 316; ASTM B564, Alloy 400	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 5000psig @ 70°F (See catalog)	Up to 3130psig @ 600°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 34-37)
Union Bonnet Needle Valves SUNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy 400; ASTM B574, Alloy C-276;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1"	Up to 6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 38-41)
Integral Bonnet Bar Stock Needle Valve SBNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy R-405;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT or Female ISO 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 4130psig @ 450°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 42-45)
High Pressure Bar Stock Needle Valves SHBNV	Fitting Body	ASTM A479 Grade 316 or ASTM A105	Female NPT or Male NPT 1/4" to 1/2"	10,000psig @ 70°F (See catalog)	Up to 4000psig @ 500°F (See catalog)	As low as -65°F (See catalog)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 46-47)

OC19107.2

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CRN #: OC19107.21

Date: FEB 19, 2019

BC J#: 72557

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>			<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISED BY</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018
<b>SUBJECT</b> Superlok Valves – Scope of Registration					<b>DCN</b>	<b>2</b> <small>PAGE</small>
					<b>3</b> <small>OF</small>	

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Instrumentation Manifold Valves SM2/3/5	Fitting Body	ASTM A276 or A479 Grade 316	Female NPT or Flange 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 48-55)
Instrumentation Gauge Valves SGBV/SGBVZ	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/4" to 3/4"	6000psig @ 70°F	6000psig @ 450°F	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 56-57)
Swing Out Ball Valves SWB520	Fitting Body	ASTM A351, CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Socket Weld or Butt Weld 1/8" to 2"	Up to 3000psig @ 70°F	Up to 800psig @ 450°F	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 21-25)
Plug Valves SPV130	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 3000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-10°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 58-59)
Rising Plug Valves SRPV	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/4" to 3/4"	Up to 6000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 60-61)
Toggle Valves STV	Fitting Body	ASTM A182 Grade F316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 3000psig @ 70°F (See catalog)	Up to 300psig @ 200°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 62-63)
Bleed Valves SBLV	Fitting Body	ASTM A276 Grade 316	Male NPT or ISO Thread End 1/8" to 3/4"	Up to 10,000psig @ 70°F (See catalog)	Up to 6085psig @ 850°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 64)
Purge Valve SPUV	Fitting Body	ASTM A276 Grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	4000psig @ 70°F (See catalog)	Up to 2500psig @ 600°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 65-66)

The pressure ratings in the tables below apply to the 3-way valves configuration only. The pressure rating for all other valves within the scope of this document are shown in the Superlok Canada catalog.

Table 1: Ball, 3-Way Valve Pressure Ratings Table (SBVH360)

Body Size	End Connection Sizes	ASTM A276, grade 316	
		@70F psig	@446F psig
3601	1/4 to 1/2	5000	5000
3602	1/2 to 3/4	4000	3900
3603	3/4 to 1	4000	3800


**TECHNICAL SAFETY BC**  
CRN #: 0C19107-21  
Date: FEB 19, 2019  
BC J#: 72557

0C19107.2

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A. R. Thomson Group		<b>A.R. THOMSON – Red Deer</b>			<b>QSC503</b>	<b>B</b>
R. Walker Sept. 10, 2018 WRITTEN BY DATE		T. Cozens Nov. 22, 2018 REVISED BY DATE		T. Cozens Sept. 18, 2018 REVIEWED BY DATE		SYSTEM PROCEDURE NO. REV.
<b>SUBJECT</b> Superlok Valves – Scope of Registration				Sept. 18, 2018 EFFECTIVE DATE	<b>3</b> PAGE	<b>3</b> OF
					<b>DCN</b>	

Table 2: Forged High Pressure, 3-Way Valve Pressure Ratings Table (SBVF360, SBVL360)

Body Size	End Connection Sizes	ASTM A276, grade 316 or ASTM A182, grade 316		ASTM A276, grade 316 or ASTM A351, grade CF8M	
		SBVF360	SBVF360	SBVL360	SBVL360
		psig @70F	psig @450F	psig @70F	psig @400F
3601	1/8 to 1/4	6000	6000	6000	700
3602	1/4 to 3/8	5000	5000	6000	700
3603	3/8 to 1/2	4500	4400	4500	700

### Document Revision History

The following table lists the revision made to this document each time when this document is modified.

Rev.#	Description	Date	Author	Approver
B	Added Table 1 and 2 and updated design conditions for SBVH, SBVF and SBVL valves in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens
B	Separated SBVF and SBVL into separate rows in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens

<b>ASCA</b>	
SAFETY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
REGISTRATION NO.	<u>0C19107.2</u>
DWG. NO. or CAT. NO.	<u>QSC503 Rev B</u>
TYPE OF FITTINGS	<u>Valve</u>
<u>2018-11-26</u> Date	INITIALS <u>dl</u> XING LIU, P.Eng. DESIGN SURVEY ENGINEER



CRN #: 0C19107.21  
 Date: FEB 19, 2019  
 BC J#: 72557

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June 3<sup>rd</sup>, 2019

Dear Cynthia Formaniuk

**Re: Reciprocal CRN Registration in Manitoba**

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 39650  
CRN: 0C19107.24  
Scope: Valve (Drawing No. QSC503 Rev. B)  
Manufacturer: BMT CO. LTD

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact me directly via email at [Cheryl.Lashek@gov.mb.ca](mailto:Cheryl.Lashek@gov.mb.ca) for any questions or concerns.

**Cheryl Lashek, P.Eng**

**Director, ITSM**

Inspection and Technical Services

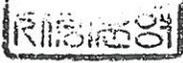
Office of the Fire Commissioner

508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8

T (204) 945-3507 | F (204) 948-2309

**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

**New Brunswick** Nova Scotia Prince Edward Island Newfoundland and Labrador  
 Nunavut Yukon Northwest Territories

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: ASME35, Sanmakgongdanim 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Sanmakgongdanim 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges  <input checked="" type="radio"/> 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 protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories                  N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>ASME B31.1                  ASME B16.34</p> 
<p><b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b></p> <p align="center"></p>	<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/>                  Describe other:  <p align="center"><b>Bar stock</b></p> </p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement                  Superlok catalog, Design reports, AR Thomson System Procedure # QSC503</p>	

**Declaration:**

I Jong Chan, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001-HSB 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: JCY  
 Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.  
 This 10th day of September AD 2018  
 Commissioner of Oaths Jaywoon Yeung  
 Or Notary Public: (sign) JAYWOON YEUNG



(Affix Official seal to the front of this space)  
 DEPT OF JUSTICE, SAFETY, BOILER & PRESSURE VESSELS, AND SELECT

CRN: 0C19107.2  
 FID#: 15715

- Notes:
- All Fittings shall be registered in the name of the Manufacturer.
  - Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
  - The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
  - Quality Control programs shall be resubmitted for validation.

11/2016

REGISTRATION ONLY  
 CRN 0C19107.27  
Ben Cross  
 CHIEF BOILER INSPECTOR  
 DATE 1/11/2019

Sect 1.0 - Fittings Rev.2

BLRs       PVs  
 FITTINGS       NUCLEAR COMPONENTS

**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

**Newfoundland and Labrador**

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: ASME35, Sanmakgongdanim 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Sanmakgongdanim 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges  <input checked="" type="radio"/> 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 protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories                  N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>. (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>ASME B31.1 ASME B16.34</p> 
<p align="center"><b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b></p> <p align="center"></p>	<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/>                  Describe other:                  Bar stock</p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement                  Superlok catalog, Design reports, AR Thomson System Procedure # QSC503</p>	

**Declaration:**

I, Jong Chan, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001-RS6 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: JCY  
 Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.  
 This 19th day of September AD 2018  
 Commissioner of Oaths  
 Or Notary Public: (sign) Jaywon Yeong  
 (Affix Official seal to the right)



This space for Regulatory Authority use.

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0C19107.2

FID#: 15715

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

11/2016

Newfoundland  
 Labrador  
 Service NL  
 Registered 0C19107.20  
 Date 19/01/15  
 Registered [Signature]  
 Sect 1.0 - Fittings Rev.2

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>			<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISOR</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018
<b>SUBJECT</b> Superlok Valves – Scope of Registration					<b>DCN</b>	<b>1</b> / <b>3</b> <small>PAGE OF</small>

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Ball Valve SBV120H	Fitting Body	ASTM A182 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/16" to 3/4"	Up to 3000psig @ 70°F (See catalog)	Up to 3000psig @ 150°F (See catalog)	50°F (10°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 2-5)
Ball Valve SBV210/SBVL210	Fitting Body	ASTM A276 grade 316 / ASTM A182 grade 316 / ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/4" to 1"	1000psig @ 70°F (See catalog)	280psig @ 450°F (See catalog)	32°F (0°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 6-8, 12-13)
Ball Valve (SBVH360)	Fitting Body	ASTM A276, grade 316	Superlok Tube fitting CRN 0A18364.5C or Female NPT or Male NPT 1/4" to 1"	Up to 5000psig @ 70°F (See Table 1 below)	Up to 5000psig @ 446°F (See Table 1 below)	-65°F (-54°C) with PEEK seat	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 9-11)
Trunnion Ball Valve (SBT)	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 6000psig @ 70°F (See catalog)	Up to 1500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Trunnion Ball Valve (SBTH)	Fitting Body	ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 10,000psig @ 70°F (See catalog)	Up to 500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Forged High Pressure Ball Valve SBVF360	Fitting Body	ASTM A182, grade 316 ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 6000psig @ 450°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 29-32)
Forged High Pressure Locking Ball Valve SBVL360	Fitting Body	ASTM A276 grade 316 ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 700psig @ 400°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 14-16)
Integral Bonnet Needle Valves SINV	Fitting Body	ASTM A182, grade 316; ASTM B564, Alloy 400	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 5000psig @ 70°F (See catalog)	Up to 3130psig @ 600°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 34-37)
Union Bonnet Needle Valves SUNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy 400; ASTM B574, Alloy C-276;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1"	Up to 6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 38-41)
Integral Bonnet Bar Stock Needle Valve SBNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy R-405;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT or Female ISO 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 4190psig @ 450°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 42-45)
High Pressure Bar Stock Needle Valves SHBNV	Fitting Body	ASTM A479 Grade 316 or ASTM A105	Female NPT or Male NPT 1/4" to 1/2"	10,000psig @ 70°F (See catalog)	Up to 4000psig @ 500°F (See catalog)	As low as -65°F (See catalog)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 46-47)

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0C19107.2

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>				<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>	
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISED BY</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVISED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018	<small>PAGE</small> 2	<small>OF</small> 3
<b>SUBJECT</b> Superlok Valves – Scope of Registration						<b>DCN</b>		

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Instrumentation Manifold Valves SM2/3/5	Fitting Body	ASTM A276 or A479 Grade 316	Female NPT or Flange 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 48-55)
Instrumentation Gauge Valves SGBV/SGBV2	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/2" to 3/4"	6000psig @ 70°F	6000psig @ 450°F	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 56-57)
Swing Out Ball Valves SWB320	Fitting Body	ASTM A351, CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Socket Weld or Butt Weld 1/8" to 2"	Up to 3000psig @ 70°F	Up to 800psig @ 450°F	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 21-25)
Plug Valves SPV130	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 3000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-10°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 58-59)
Rising Plug Valves SRPV	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/4" to 3/4"	Up to 6000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 60-61)
Toggle Valves STV	Fitting Body	ASTM A182 Grade F316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 300psig @ 70°F (See catalog)	Up to 300psig @ 200°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 62-63)
Bleed Valves SBLV	Fitting Body	ASTM A276 Grade 316	Male NPT or ISO Thread End 1/8" to 3/4"	Up to 10,000psig @ 70°F (See catalog)	Up to 6085psig @ 850°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 64)
Purge Valve SPUV	Fitting Body	ASTM A276 Grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	4000psig @ 70°F (See catalog)	Up to 2500psig @ 600°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 65-66)

The pressure ratings in the tables below apply to the 3-way valves configuration only. The pressure rating for all other valves within the scope of this document are shown in the Superlok Canada catalog.

Table 1: Ball, 3-Way Valve Pressure Ratings Table (SBVH360)

Body Size	End Connection Sizes	ASTM A276, grade 316	
		@70F	@446F
		psig	psig
3601	1/4 to 1/2	5000	5000
3602	1/2 to 3/4	4000	3900
3603	3/4 to 1	4000	3800

0C19107.2

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 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>			<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>	
<small>R. Walker</small> <small>WRITTEN BY</small>	<small>Sept. 10, 2018</small> <small>DATE</small>	<small>T. Cozens</small> <small>REVISED BY</small>	<small>Nov. 22, 2018</small> <small>DATE</small>	<small>T. Cozens</small> <small>REVIEWED BY</small>	<small>Sept. 18, 2018</small> <small>DATE</small>	<small>Sept. 18, 2018</small> <small>EFFECTIVE</small>	
<b>SUBJECT</b> Superlok Valves – Scope of Registration					<b>DCN</b>	<b>3</b> <small>PAGE</small>	<b>3</b> <small>OF</small>

Table 2: Forged High Pressure, 3-Way Valve Pressure Ratings Table (SBVF360, SBVL360)

Body Size	End Connection Sizes	ASTM A276, grade 316 or ASTM A182, grade 316		ASTM A276, grade 316 or ASTM A351, grade CF8M	
		SBVF360	SBVF360	SBVL360	SBVL360
		psig @70F	psig @450F	psig @70F	psig @400F
3601	1/8 to 1/4	6000	6000	6000	700
3602	1/4 to 3/8	5000	5000	6000	700
3603	3/8 to 3/4	4500	4400	4500	700

### Document Revision History

The following table lists the revision made to this document each time when this document is modified.

Rev.#	Description	Date	Author	Approver
B	Added Table 1 and 2 and updated design conditions for SBVH, SBVF and SBVL valves in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens
B	Seperated SBVF and SBVL into separate rows in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. 0C19107.2

DWG. NO. or CAT. NO. QSC503 Rev B

TYPE OF FITTINGS Valve

2018-11-26 Date INITIALS dl

XING LIU, P.Eng.  
DESIGN SURVEY ENGINEER

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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick  
Nunavut

Nova Scotia  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: BMT Co., Ltd.

Manufacturers Address: ASME35, Sanmangkongdamm 11-gil Yangsan-Si, Gyeongsangnam-do Korea

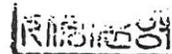
Plant Locations: 35, Sanmangkongdamm 11-gil Yangsan-Si, Gyeongsangnam-do Korea

Category of Fittings to be registered. Circle one Category only

- A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
- 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 protection on boilers, pressure vessels, piping and fusible plugs
- H Pressure retaining components that do not fall into one of the above categories
- N Nuclear components: Class 1  Class 2  Class 3  , (Meeting CNSC or ASME requirements)

Title of the Standard of Construction

ASME B31.1  
ASME B16.34



Show Manufacturers Name, Trademark, or Logo as it will appear on the product



Type of Construction

- Forged  Welded  Wrought
- Cast  Other

Describe other:  
Bar stock

List of supporting documentation and identification of the actual items to be registered:

Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement  
Superlok catalog, Design reports, AR Thomson System Procedure # QSC503

Declaration:

I Jong Chan, Yeon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001-HSS 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: JC Yeon

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

This 14th day of September AD 2018

Commissioner of Oaths

Or Notary Public: (sign) Jaywoon Yeong

(Affix Official seal to the right)

JANG WOON YEONG



This space for Regulatory Authority use.

This registration must be revalidated after ten (10) years from the date of acceptance.

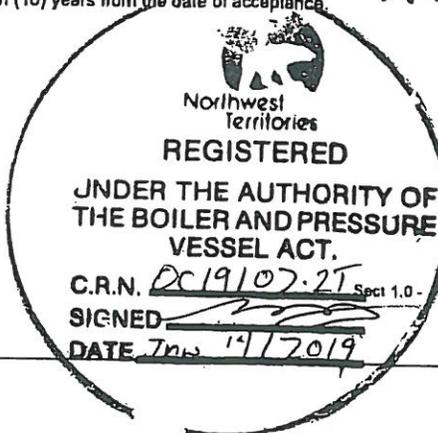
CRN: 0C19107.2

FID#: 15715

Notes:

1. All Fittings shall be registered in the name of the Manufacturer.
2. Each Category shall be reported with two Statutory Declaration forms and one copy of supporting documentation.
3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality Control programs shall be resubmitted for validation.

11/2016



1163.00

C.R.N. 0C19107.2 Sect 1.0 - Fittings Rev.2

SIGNED [Signature]  
DATE Nov 14/2019

**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

**Nova Scotia**  
Yukon

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

<b>Manufacturers Name:</b> BMT Co., Ltd.	
<b>Manufacturers Address:</b> ASME35, Sanmakgongdanim 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<b>Plant Locations:</b> 35, Sanmakgongdanim 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<b>Category of Fittings to be registered. Circle one Category only</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges <input checked="" type="radio"/> 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 protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	<b>Title of the Standard of Construction</b>  ASME B31.1 ASME B16.34  
<b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b>  	<b>Type of Construction</b> Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: <b>Bar stock</b>
<b>List of supporting documentation and identification of the actual items to be registered:</b>  Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement Superlok catalog, Design reports, AR Thomson System Procedure # QSC503	

**Declaration:**

I Jong Chan, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2008 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: JC Yoon

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

This 10th day of September AD 2018

Commissioner of Oaths  
Or Notary Public: (sign) Jaywoon Yeung

(Affix Official seal to the right) **JAYWOON YEUNG**



This space for Regulatory Authority use.  
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0C19107.2

FID#: 15715

**Notes:**

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be accompanied with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

11/2016



Date Jan. 11 / 19

C.R.N. 0C19107.28

Dwg. as described

Signed Jeanne Perry

1 of 1

Part



Sect 1.0 - Fittings Rev.2

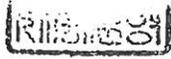
**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
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Prince Edward Island  
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Newfoundland and Labrador

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: ASME35, Sanmakgongdamm 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Sanmakgongdamm 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges  <input checked="" type="radio"/> 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 protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories                  N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>ASME B31.1 ASME B16.34</p> 
<p align="center"><b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b></p> <p align="center"></p>	<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/>                  Describe other:                  Bar stock</p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement                  Superlok catalog, Design reports, AR Thomson System Procedure # QSC503</p>	

**Declaration:**

I Jong Chan, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2008 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: JC Yoon

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

This 14th day of September AD 2018

Commissioner of Oaths

Or Notary Public: (sign) Jangwoon Yeong

(Affix Official seal to the front)



<p>CRN: <u>0C19107.2</u></p> <p>FID#: <u>15715</u></p> <p>Notes:</p> <ol style="list-style-type: none"> <li>All Fittings shall be registered in the name of the Manufacturer.</li> <li>Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> <li>The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.</li> <li>Quality Control programs shall be resubmitted for validation.</li> </ol> <p>11/2016</p>	<p align="center">This space for Regulatory Authority use</p> <p align="center">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p align="center"><b>NUNAVUT</b></p> <p align="center">Boilers and Pressure Vessels Act</p> <p align="center"><b>REGISTERED</b></p> <p>CRN <u>0C19107.2</u></p> <p>Date <u>Jan 11, 2019</u></p> <p>Signed <u>[Signature]</u> Sect 1.0 - Fittings Rev.2</p> <p align="center">Chief Inspector</p> <p align="center">Territorial Registration Fee</p>
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345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel 416 734 3300  
Fax 416 231 1626  
Toll Free 1 877 682 8772

[www.tssa.org](http://www.tssa.org)

January 16, 2019

CYNTHIA FORMANIUK  
ALBERTA BOILERS SAFETY ASSOCIATION  
9410-20 AVENUE  
EDMONTON AB T6N 0A4  
CA



**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2469546  
**Your Reference No.:** 2018-06625  
**Registered to:** BMT CO LTD

Dear CYNTHIA FORMANIUK,

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

**CRN No.:** 0C19107.25

**Main Design No.:** Superlok Instrumentation Ball Valve (see the attachment to the Statutory Declaration Form for the scope of registration)

**Expiry Date:** 26-Nov-2028

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

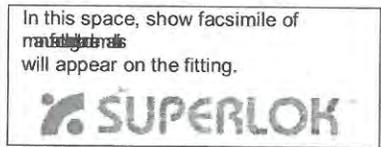
The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). We will be happy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

Yours truly,

Mark Valcic P. Eng.  
Engineer Specialist BPV  
Tel.: 416-734-3494  
Fax: 416-231-1626  
Email: [mvalcic@tssa.org](mailto:mvalcic@tssa.org)

**STATUTORY DECLARATION  
Registration of Fittings**

I, Mr Jong Chan, Yoon, President  
(name of applicant) (position title) (must be in a position of authority)  
of BMT Co., Ltd.  
(name of manufacturer)



located at 21-1 BukJeong-Dong, YangSan-si, GyungSangNam-Do, Korea  
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.1 and ASME B16.34 which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, 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 (title of code of construction or other applicable document) data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, HSB Registration Service as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement  
(brief description of fittings)

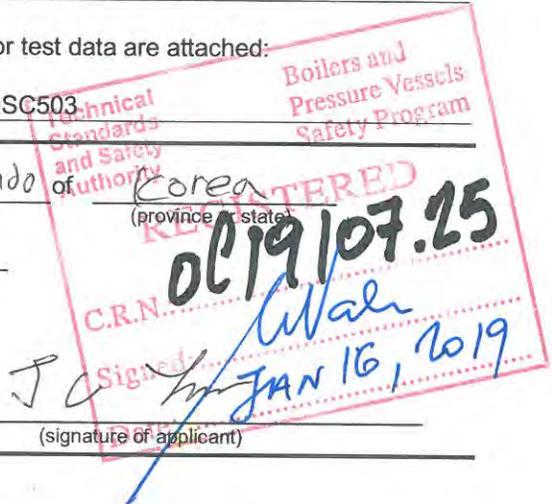
In support of this application, the following information, calculations and/or test data are attached:

Superlok catalog, Design reports, AR Thomson System Procedure # QSC503

DECLARED before me at Yangsan in the GyeongSangnam-do of Korea  
(city) (province / state)  
this 19th day of September, 2018  
(Month) (Year)

(print) JANG WOON YEOUNG  
(a Commissioner of Oaths or Notary Public)

(sign) Jang Woon Yeong  
(a Commissioner of Oaths or Notary Public)



**For ABSA Office Use Only:**

NOTES: \_\_\_\_\_

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category 'C'

Registration Number: 0C19107.25 (Signature of the Administrator/SCO)

Date Registered: JAN 16, 2019 Expiry Date: NOV. 26, 2023

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

**NOTE: SEE THE ATTACHMENT FOR THE SCOPE OF REGISTRATION**



법무법인 삼성

Registered No. 2018 - 1831

NOTARIAL CERTIFICATE

**SAMSUNG LAW & NOTARY OFFICE INC.**

Belong to Ulsan District Prosecutor's Office

168, Jungang-Ro, Yangsan-City, Gyeongsangnam-Do, Korea

TEL : +82 55 372-5599



법무법인 삼성

등부 2018 년 제 1831 호

Registered No. 2018 - 1831

인 증

Notarial Certificate

위 등록신청서 에 기재된 촉탁인  
주식회사 비엠티 대표이사 윤종찬  
의 대리인 박세진은 본 공증인의 면전  
에서 위 사서증서에 위 본인이 기명날  
인한 것임을 확인하였다.

SE JIN PARK attorney-in-fact of  
JONG CHAN, YOON, President of  
BMT Co., Ltd. appeared before me  
and admitted principal's subscription to  
the attached the STATUTORY  
DECLARATION REGISTRATION OF  
FITTINGS.



2018 년 9 월 19 일 이 사무소에  
서 위 인증한다.

This is hereby attested on this 19<sup>th</sup> day  
of SEP., 2018. at this office.

법무법인 삼성

소속 울산지방검찰청

경남 양산시 중앙로 168. 2층

SAMSUNG Law & Notary Office INC.  
Belong to Ulsan District Prosecutor's Office  
168, Jungang-Ro, Yangsan-City,  
Gyeongsangnam-do, Korea.

공증담당  
변호사

가운영



Jay Woon yeung

Signature of the Notary Public

JANG WOON YEOUNG

This office has been authorized by the  
Minister of Justice, the Republic of Korea to  
act as Notary Public since Feb. 7. 2015.  
under Law No. 220.

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>				<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>	
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISOR</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018	<small>PAGE</small> <b>1</b>	<small>OF</small> <b>3</b>
<b>SUBJECT</b> Superlok Valves – Scope of Registration						<b>DCN</b>		

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Ball Valve SBV120H	Fitting Body	ASTM A182 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/16" to 3/4"	Up to 3000psig @ 70°F (See catalog)	Up to 3000psig @ 150°F (See catalog)	50°F (10°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 2-5)
Ball Valve SBV210/SBVL210	Fitting Body	ASTM A276 grade 316 / ASTM A182 grade 316 / ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/4" to 1"	1000psig @ 70°F (See catalog)	280psig @ 450°F (See catalog)	32°F (0°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 6-8, 12-13)
Ball Valve (SBVH360)	Fitting Body	ASTM A276, grade 316	Superlok Tube fitting CRN 0A18364.5C or Female NPT or Male NPT 1/4" to 1"	Up to 5000psig @ 70°F (See Table 1 below)	Up to 5000psig @ 446°F (See Table 1 below)	-65°F (-54°C) with PEEK seat	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 9-11)
Trunnion Ball Valve (SBT)	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 6000psig @ 70°F (See catalog)	Up to 1500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Trunnion Ball Valve (SBTH)	Fitting Body	ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 10,000psig @ 70°F (See catalog)	Up to 500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Forged High Pressure Ball Valve SBVF360	Fitting Body	ASTM A182, grade 316 ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 6000psig @ 450°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 29-32)
Forged High Pressure Locking Ball Valve SBVL360	Fitting Body	ASTM A276 grade 316 ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 700psig @ 400°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 14-16)
Integral Bonnet Needle Valves SINV	Fitting Body	ASTM A182, grade 316; ASTM B564, Alloy 400	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 5000psig @ 70°F (See catalog)	Up to 3130psig @ 600°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 34-37)
Union Bonnet Needle Valves SUNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy 400; ASTM B574, Alloy C-276;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1"	Up to 6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 38-41)
Integral Bonnet Bar Stock Needle Valve SBNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy R-405;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT or Female ISO 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 4130psig @ 450°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 42-45)
High Pressure Bar Stock Needle Valves SHBNV	Fitting Body	ASTM A479 Grade 316 or ASTM A105	Female NPT or Male NPT 1/4" to 1/2"	10,000psig @ 70°F (See catalog)	Up to 4000psig @ 500°F (See catalog)	As low as -65°F (See catalog)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 46-47)

0619107.2

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THIS IS PART OF  
CRN 019/07.25  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety Program

Euka Jan 16/19

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>				<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>	
<small>WRITTEN BY</small> <b>R. Walker</b>	<small>DATE</small> <b>Sept. 10, 2018</b>	<small>REVISED BY</small> <b>T. Cozens</b>	<small>DATE</small> <b>Nov. 22, 2018</b>	<small>REVIEWED BY</small> <b>T. Cozens</b>	<small>DATE</small> <b>Sept. 18, 2018</b>	<small>EFFECTIVE</small> <b>Sept. 18, 2018</b>	<small>PAGE</small> <b>2</b>	<small>OF</small> <b>3</b>
<b>SUBJECT</b> Superlok Valves – Scope of Registration						<b>DCN</b>		

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Instrumentation Manifold Valves SM2/3/5	Fitting Body	ASTM A276 or A479 Grade 316	Female NPT or Flange 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 48-55)
Instrumentation Gauge Valves SGBV/SGBV2	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/2" to 3/4"	6000psig @ 70°F	6000psig @ 450°F	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 56-57)
Swing Out Ball Valves SWB320	Fitting Body	ASTM A351, CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Socket Weld or Butt Weld 1/8" to 2"	Up to 3000psig @ 70°F	Up to 800psig @ 450°F	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 21-25)
Plug Valves SPV130	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 3000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-10°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 58-59)
Rising Plug Valves SRPV	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/4" to 3/4"	Up to 6000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 60-61)
Toggle Valves STV	Fitting Body	ASTM A182 Grade F316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 300psig @ 70°F (See catalog)	Up to 300psig @ 200°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 62-63)
Bleed Valves SBLV	Fitting Body	ASTM A276 Grade 316	Male NPT or ISO Thread End 1/8" to 3/4"	Up to 10,000psig @ 70°F (See catalog)	Up to 6085psig @ 850°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 64)
Purge Valve SPUV	Fitting Body	ASTM A276 Grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	4000psig @ 70°F (See catalog)	Up to 2500psig @ 600°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 65-66)

The pressure ratings in the tables below apply to the 3-way valves configuration only. The pressure rating for all other valves within the scope of this document are shown in the Superlok Canada catalog.

Table 1: Ball, 3-Way Valve Pressure Ratings Table (SBVH360)

Body Size	End Connection Sizes	ASTM A276, grade 316	
		@70F psig	@446F psig
3601	1/4 to 1/2	5000	5000
3602	1/2 to 3/4	4000	3900
3603	3/4 to 1	4000	3800

THIS IS PART OF  
 CRN 219107.25  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program  
 Wal JAN 16 / 19  
 0619107.2

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 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>			<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISED BY</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018
<b>SUBJECT</b> Superlok Valves – Scope of Registration					<b>DCN</b>	<b>3</b> / <b>3</b> <small>PAGE OF</small>

Table 2: Forged High Pressure, 3-Way Valve Pressure Ratings Table (SBVF360, SBVL360)

Body Size	End Connection Sizes	ASTM A276, grade 316 or ASTM A182, grade 316		ASTM A276, grade 316 or ASTM A351, grade CF8M	
		SBVF360	SBVF360	SBVL360	SBVL360
		psig @70F	psig @450F	psig @70F	psig @400F
3601	1/8 to 1/4	6000	6000	6000	700
3602	1/4 to 3/8	5000	5000	6000	700
3603	3/8 to 3/4	4500	4400	4500	700

THIS IS PART OF  
 CRN OC19107.25  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program  
*Mark Jan 16/19*

### Document Revision History

The following table lists the revision made to this document each time when this document is modified.

Rev.#	Description	Date	Author	Approver
B	Added Table 1 and 2 and updated design conditions for SBVH, SBVF and SBVL valves in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens
B	Separated SBVF and SBVL into separate rows in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. OC19107.2

DESIGN NO. or CAT. NO. QSC503 Rev B

TYPE OF FITTINGS Valve

2018-11-26 Date INITIALS dl

XING LIU, P.Eng.  
DESIGN SURVEY ENGINEER

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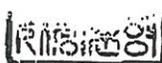
**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
Yukon

**Prince Edward Island**  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: ASME35, Senmakgongdanam 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Bahmakgongdanam 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges  <input checked="" type="radio"/> 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 protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories                  N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>ASME B31.1 ASME B16.34</p> 
<p align="center"><b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b></p> <p align="center"></p>	<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input type="checkbox"/>                  Describe other:  <p align="center"><b>Bar stock</b></p> </p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement                  Superlok catalog; Design reports, AR Thomson System Procedure # QSC503</p>	

**Declaration:**

I, Jong Cheri, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:1995 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: JC Yoon  
 Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.  
 This 14th day of September AD 2018  
 Commissioner of Oaths  
 Or Notary Public: (sign) Jaywoon Yeung



**JAYWOON YEUNG**  
(Affix Official seal to the right)

This space for Regulatory Authority use.  
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OC19107.2

FID#: 15715

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be accompanied with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be signed by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

**ACCEPTED**  
**PROVINCE OF PRINCE EDWARD ISLAND**  
**COMMUNITIES, LAND & ENVIRONMENT**  
 C.R.N. OC19107.29  
 DATE: Sept 11, 2018  
**INSPECTION SERVICES SECTION**  
**BOILER/PRESSURE VESSEL BRANCH**

11/2018



To:	ABSA	From:	Janet Townsend
Company:	BMT Co. Ltd.	Phone:	416-747-4291
Pages:	7	Location:	Toronto
Our File:	ANR-5245	Date:	March 19, 2019

Your File: 2018-06625

**Subject: Request Design Registration**

Ms. Formaniuk,

CSA has received the documentation submitted by ABSA on behalf of BMT Co. Ltd. These fittings have been registered by CSA for the Province of Québec in accordance with an agreement between CSA and the Province of Québec.

The CRN is 0C19107.26 .

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

A handwritten signature in cursive script that reads 'Janet Townsend'.

**Janet Townsend**  
Program Manager  
CSA Group

178 Rexdale Blvd.  
Toronto, ON, M9W 1R3  
Canada  
[www.csagroup.org](http://www.csagroup.org)



the pressure equipment safety authority

9410 - 20 Ave N.W  
Edmonton, Alberta, Canada T6N 0A  
Tel: (780) 437-9100 / Fax: (780) 437-778

November 26, 2018

**Attention:** Tim Cozens  
A R THOMSON GROUP  
215 CLEARSKYE WAY  
RED DEER, AB T4E 0A1

Email: cozens.tim@arthomson.com

wx-900616 ✓

The design submission, tracking number 2018-06625, originally received on October 04, 2018 was surveyed and accepted for registration as follows:

**CRN :** 0C19107.2  
**Reg Type:** NEW DESIGN  
**Drawing No. :** QSC503 Rev B  
**Fitting type:** VALVE

**Accepted on:** November 26, 2018  
**Expiry Date:** November 26, 2028

Design registered in the name of : BMT CO LTD

**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 are ASME B31.1 and B16.34.*

- 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.

*Unlisted material shall be in compliance with code of construction and suitable for MDMT.*

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

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3388 or fax (780) 437-7787 or e-mail Liu@absa.ca.

Sincerely,

LIU, XING, P. Eng.  
DOP Cert. No. D00008861

USA Group 1074

**ATTACHMENT TO**

**C.R.N.** 0C19107.26

**Signed:**

178 Rexdale Boulevard, Toronto, ON Canada M9W1R3

**REGISTERED**   
**CRN: 0C19107.26**  
 Registration Process administered by  
 CSA Group per CSA B51

## Statutory Declaration Registration of Fittings

### (a) Design Qualification

I<sup>1</sup> Mr. Jong Chan, Yoon  
 (Name of applicant)

President  
 (Position eg, president, plant manager, chief eng.)

of BMT Co., Ltd.  
 (name of company)

Located at 35, Sanmakgongdannam 11-gil Yangsan-Si, Gyeongsangnam-do Korea  
 (plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: **ASME B31.1 and ASME B16.34**

Or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with \_\_\_ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

### (b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of **ISO 9001-HSB** and has been verified by the following authority or authorized agency **HSB Registration Service**

The fittings<sup>2</sup> covered by this declaration, for which I seek registration, are **Bleed, Needle, Ball, Plug, Toggle, Purge, Manifold Valves - see attached scope statement**

In support of the application, the following information, calculations and/or test data are attached:

**Superlok catalog, Design reports, AR Thomson System Procedure # QSC503**

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

In the City of Yangsan of Korea

The 4<sup>th</sup> day of March AD 2019

Jay Woon Young  
 A (commissioner for oaths)

JC Yoon  
 Signature of Declarer<sup>3</sup>

#### For Official Use Only

The application is accepted for registration in Category C in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance. Nov. 26. 2028

Registered Number CRN 0C19107.26

For the Chief Inspector A. BANWATT  
 Date May. 18 - 2019

<sup>1</sup> Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

<sup>2</sup> All fittings are required to be registered in the name of the Manufacturer.

<sup>3</sup> This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.



# 법무법인 삼성

Registered No. 2019 - 366

## NOTARIAL CERTIFICATE

**SAMSUNG LAW & NOTARY OFFICE INC.**

Belong to Ulsan District Prosecutor's Office

168, Jungang-Ro, Yangsan-City, Gyeongsangnam-Do, Korea

TEL : +82 55 372-5599



# 법무법인 삼성

등부 2019 년 제 366 호

Registered No. 2019 - 366

## 인 증

## Notarial Certificate

위 **등록신청서** 에 기재된 촉탁인  
주식회사 비엠티 대표이사 윤종찬  
의 대리인 장성원은 본 공증인의 면전  
에서 위 사서증서에 위 본인이 기명날  
인한 것임을 확인하였다.

SUNGWON JANG attorney-in-fact of  
JONG CHAN YOON, President of  
BMT Co., Ltd. appeared before me  
and admitted principal's subscription to  
the attached  
the **STATUTORY DECLARATION**  
Registration of Fittings .



2019 년 3 월 4 일 이 사무소에서  
위 인증한다.

This is hereby attested on this 4<sup>th</sup> day  
of MAR., 2019. at this office.

법무법인 삼성

소속 울산지방검찰청

경남 양산시 중앙로 168. 2층

SAMSUNG Law & Notary Office INC.  
Belong to Ulsan District Prosecutor's Office  
168, Jungang-Ro, Yangsan-City,  
Gyeongsangnam-do, Korea.

공증담당  
변호사

장운영  Jang Woon Yeong

Signature of the Notary Public

JANG WOON YEOUNG

This office has been authorized by the  
Minister of Justice, the Republic of Korea to  
act as Notary Public since Feb. 7. 2015.  
under Law No. 220.

REGISTERED



CRN: OC19107.26

Registration Process administered by  
CSA Group per CSA B51



Technical Review performed per CSA B51  
Performed by: ANRIC Enterprises Inc.

Signed: *A. Shuep*

Date: Mar. 18 - 2019

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>				<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>	
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISED BY</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018	<small>PAGE</small> <b>1</b>	<small>OF</small> <b>3</b>
<b>SUBJECT</b> Superlok Valves – Scope of Registration						<b>DCN</b>		

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Ball Valve SBV120H	Fitting Body	ASTM A182 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/16" to 3/4"	Up to 3000psig @ 70°F (See catalog)	Up to 3000psig @ 150°F (See catalog)	50°F (10°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 2-5)
Ball Valve SBV210/SBVL210	Fitting Body	ASTM A276 grade 316 / ASTM A182 grade 316 / ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/4" to 1"	1000psig @ 70°F (See catalog)	280psig @ 450°F (See catalog)	32°F (0°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 6-8, 12-13)
Ball Valve (SBVH360)	Fitting Body	ASTM A276, grade 316	Superlok Tube fitting CRN 0A18364.5C or Female NPT or Male NPT 1/4" to 1"	Up to 5000psig @ 70°F (See Table 1 below)	Up to 5000psig @ 446°F (See Table 1 below)	-65°F (-54°C) with PEEK seat	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 9-11)
Trunnion Ball Valve (SBT)	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 6000psig @ 70°F (See catalog)	Up to 1500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Trunnion Ball Valve (SBTH)	Fitting Body	ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 10,000psig @ 70°F (See catalog)	Up to 500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Forged High Pressure Ball Valve SBVF360	Fitting Body	ASTM A182, grade 316 ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 6000psig @ 450°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 29-32)
Forged High Pressure Locking Ball Valve SBVL360	Fitting Body	ASTM A276 grade 316 ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 700psig @ 400°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 14-16)
Integral Bonnet Needle Valves SINV	Fitting Body	ASTM A182, grade 316; ASTM B564, Alloy 400	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 5000psig @ 70°F (See catalog)	Up to 3130psig @ 600°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 34-37)
Union Bonnet Needle Valves SUNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy 400; ASTM B574, Alloy C-276;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1"	Up to 6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 38-41)
Integral Bonnet Bar Stock Needle Valve SBNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy R-405;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT or Female ISO 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 4130psig @ 450°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 42-45)
High Pressure Bar Stock Needle Valves SHBNV	Fitting Body	ASTM A479 Grade 316 or ASTM A105	Female NPT or Male NPT 1/4" to 1/2"	10,000psig @ 70°F (See catalog)	Up to 4000psig @ 500°F (See catalog)	As low as -65°F (See catalog)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 46-47)

0019107.2

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CSA 2 OF 4

ATTACHMENT TO

C.R.N. 0019107.26

Signed: *[Signature]*

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>				<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>	
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISED BY</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018	<small>PAGE</small> <b>2</b>	<small>OF</small> <b>3</b>
<b>SUBJECT</b> Superlok Valves – Scope of Registration						<b>DCN</b>		

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Instrumentation Manifold Valves SM2/3/5	Fitting Body	ASTM A276 or A479 Grade 316	Female NPT or Flange 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 48-55)
Instrumentation Gauge Valves SGBV/SGBV2	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT ½" to ¾"	6000psig @ 70°F	6000psig @ 450°F	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 56-57)
Swing Out Ball Valves SWB320	Fitting Body	ASTM A351, CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Socket Weld or Butt Weld 1/8" to 2"	Up to 3000psig @ 70°F	Up to 800psig @ 450°F	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 21-25)
Plug Valves SPV130	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 3000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-10°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 58-59)
Rising Plug Valves SRPV	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/4" to 3/4"	Up to 6000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 60-61)
Toggle Valves STV	Fitting Body	ASTM A182 Grade F316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 3000psig @ 70°F (See catalog)	Up to 300psig @ 200°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 62-63)
Bleed Valves SBLV	Fitting Body	ASTM A276 Grade 316	Male NPT or ISO Thread End 1/8" to 3/4"	Up to 10,000psig @ 70°F (See catalog)	Up to 6085psig @ 850°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 64)
Purge Valve SPUV	Fitting Body	ASTM A276 Grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	4000psig @ 70°F (See catalog)	Up to 2500psig @ 600°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 65-66)

The pressure ratings in the tables below apply to the 3-way valves configuration only. The pressure rating for all other valves within the scope of this document are shown in the Superlok Canada catalog.

Table 1: Ball, 3-Way Valve Pressure Ratings Table (SBVH360)

Body Size	End Connection Sizes	ASTM A276, grade 316	
		@70F psig	@446F psig
3601	¼ to ½	5000	5000
3602	½ to ¾	4000	3900
3603	¾ to 1	4000	3800



3074

ATTACHMENT TO

C.R.N. OC19107.26

Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

0C19107.2

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 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>			<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>
<small>R. Walker</small> <small>WRITTEN BY</small>	<small>Sept. 10, 2018</small> <small>DATE</small>	<small>T. Cozens</small> <small>REVISED BY</small>	<small>Nov. 22, 2018</small> <small>DATE</small>	<small>T. Cozens</small> <small>REVIEWED BY</small>	<small>Sept. 18, 2018</small> <small>DATE</small>	<small>Sept. 18, 2018</small> <small>EFFECTIVE</small>
<b>SUBJECT</b> Superlok Valves – Scope of Registration					<b>3</b> <small>PAGE</small>	<b>3</b> <small>OF</small>
					<b>DCN</b>	

Table 2: Forged High Pressure, 3-Way Valve Pressure Ratings Table (SBVF360, SBVL360)

Body Size	End Connection Sizes	ASTM A276, grade 316 or ASTM A182, grade 316		ASTM A276, grade 316 or ASTM A351, grade CF8M	
		SBVF360	SBVF360	SBVL360	SBVL360
		psig @70F	psig @450F	psig @70F	psig @400F
3601	1/8 to 1/4	6000	6000	6000	700
3602	1/4 to 3/8	5000	5000	6000	700
3603	3/8 to 3/4	4500	4400	4500	700

### Document Revision History

The following table lists the revision made to this document each time when this document is modified.

Rev.#	Description	Date	Author	Approver
B	Added Table 1 and 2 and updated design conditions for SBVH, SBVF and SBVL valves in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens
B	Separated SBVF and SBVL into separate rows in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens


40F4  

**ATTACHMENT TO**

**C.R.N.** 0019107.26

**Signed:** [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

**ABSA**

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. 0019107.2

ENG. NO. or CAT. NO. QSC503 Rev B

TYPE OF FITTINGS Valve

2018-11-26 Date      INITIALS [Signature]

XING LIU, P.Eng.  
DESIGN SURVEY ENGINEER

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## REGISTRATION OF A PRESSURE FITTING DESIGN

06-Feb-19

ABSA  
9410 20th Avenue NW  
Edmonton, AB  
T6N 0A4



Attention: Cynthia Formaniuk

File Number: 11024 [ 0 F]

Re: Manufacturer: BMT Co., Ltd.

Item: Valves

Catalog or Drawing: Superlok Valaves - Scope of Registration, QSC503 Sht. 1-3 Rev.B

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

**0C19107.23**

**Expiry Date: Nov 26, 2028**

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

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

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

Yours truly,

Mohammad Rokanuzzaman, P.Eng.  
Codes and Standards Compliance

### Remarks:

CRN registered under reciprocal agreement and conditional upon compliance with the notes on the original registration.

**STATUTORY DECLARATION  
Registration of Fittings**

I, Mr Jong Chan, Yoon, President  
(name of applicant) (position title) (must be in a position of authority)  
of BMT Co., Ltd.  
(name of manufacturer)

In this space, show facsimile of  
materials  
will appear on the fitting.



located at 21-1 BukJeong-Dong, YangSan-si, GyungSangNam-Do, Korea  
(plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.1 and ASME B16.34 which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, 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 (title of code of construction or other applicable document) data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, HSB Registration Service as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement  
(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

Superlok catalog, Design reports, AR Thomson System Procedure # QSC503

DECLARED before me at Yangsan in the GyeongSangNamDo of Korea  
(city) (province or state)  
this 19th day of September, 2018  
(Month) (Year)

(print) JANG WOON YEOUNG  
(a Commissioner of Oaths or Notary Public)

(sign) Jang Woon Yeoung  
(a Commissioner of Oaths or Notary Public)

JC Yoon  
(signature of applicant)

Technical Safety Authority  
of Saskatchewan  
Boiler & P.V. Safety Unit

CRN DC19107-23  
File 11024

REGISTERED  
Date Feb 06, 2019  
Exp. Nov 26, 2028  
Design Survey Office

**For ABSA Office Use Only:**

NOTES: \_\_\_\_\_

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category \_\_\_\_\_

Registration Number: \_\_\_\_\_

(Signature of the Administrator/SCO)

Date Registered: \_\_\_\_\_ Expiry Date: \_\_\_\_\_



# 법무법인 삼성

Registered No. 2018 - 1835

## NOTARIAL CERTIFICATE

**SAMSUNG LAW & NOTARY OFFICE INC.**

Belong to Ulsan District Prosecutor's Office

168, Jungang-Ro, Yangsan-City, Gyeongsangnam-Do, Korea

TEL : +82 55 372-5599



# 법무법인 삼성

등부 2018 년 제 1835 호

Registered No. 2018 - 1835

## 인 증

## Notarial Certificate

위 **등록신청서** 에 기재된 촉탁인  
주식회사 비엠티 대표이사 윤종찬  
의 대리인 박세진은 본 공증인의 면전  
에서 위 사서증서에 위 본인이 기명날  
인한 것임을 확인하였다.

SE JIN PARK attorney-in-fact of  
JONG CHAN, YOON, President of  
BMT Co., Ltd. appeared before me  
and admitted principal's subscription to  
the attached the **STATUTORY  
DECLARATION REGISTRATION OF  
FITTINGS.**



2018 년 9 월 19 일 이 사무소에  
서 위 인증한다.

This is hereby attested on this 19<sup>th</sup> day  
of SEP., 2018. at this office.

법무법인 삼성

소속 울산지방검찰청

경남 양산시 중앙로 168. 2층

SAMSUNG Law & Notary Office INC.

Belong to Ulsan District Prosecutor's Office

168, Jungang-Ro, Yangsan-City,

Gyeongsangnam-do, Korea.

공증담당

변호사

장운영



Jang Woon Yeong

Signature of the Notary Public

JANG WOON YEOUNG

This office has been authorized by the  
Minister of Justice, the Republic of Korea to  
act as Notary Public since Feb. 7. 2015.  
under Law No. 220.

 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>			<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISOR</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018
<b>SUBJECT</b> Superlok Valves – Scope of Registration					<b>DCN</b>	<b>1</b> / <b>3</b> <small>PAGE OF</small>

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Ball Valve SBV120H	Fitting Body	ASTM A182 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/16" to 3/4"	Up to 3000psig @ 70°F (See catalog)	Up to 3000psig @ 150°F (See catalog)	50°F (10°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 2-5)
Ball Valve SBV210/SBVL210	Fitting Body	ASTM A276 grade 316 / ASTM A182 grade 316 / ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/4" to 1"	1000psig @ 70°F (See catalog)	280psig @ 450°F (See catalog)	32°F (0°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 6-8, 12-13)
Ball Valve (SBVH360)	Fitting Body	ASTM A276, grade 316	Superlok Tube fitting CRN 0A18364.5C or Female NPT or Male NPT 1/4" to 1"	Up to 5000psig @ 70°F (See Table 1 below)	Up to 5000psig @ 446°F (See Table 1 below)	-65°F (-54°C) with PEEK seat	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 9-11)
Trunnion Ball Valve (SBT)	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 6000psig @ 70°F (See catalog)	Up to 1500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Trunnion Ball Valve (SBTH)	Fitting Body	ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT 1/8" to 1/2"	Up to 10,000psig @ 70°F (See catalog)	Up to 500psig @ 450°F (See catalog)	0°F (-17°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 17-20)
Forged High Pressure Ball Valve SBVF360	Fitting Body	ASTM A182, grade 316 ASTM A276 grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 6000psig @ 450°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 29-32)
Forged High Pressure Locking Ball Valve SBVL360	Fitting Body	ASTM A276 grade 316 ASTM A351 grade CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 6000psig (See Table 2 below)	Up to 700psig @ 400°F (See Table 2 below)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 14-16)
Integral Bonnet Needle Valves SINV	Fitting Body	ASTM A182, grade 316; ASTM B564, Alloy 400	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 3/4"	Up to 5000psig @ 70°F (See catalog)	Up to 3130psig @ 600°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 34-37)
Union Bonnet Needle Valves SUNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy 400; ASTM B574, Alloy C-276;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1"	Up to 6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F (-53°C)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 38-41)
Integral Bonnet Bar Stock Needle Valve SBNV	Fitting Body	ASTM A479, grade 316; ASTM B164, Alloy R-405;	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT or Female ISO 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 4190psig @ 450°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 42-45)
High Pressure Bar Stock Needle Valves SHBNV	Fitting Body	ASTM A479 Grade 316 or ASTM A105	Female NPT or Male NPT 1/4" to 1/2"	10,000psig @ 70°F (See catalog)	Up to 4000psig @ 500°F (See catalog)	As low as -65°F (See catalog)	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 46-47)

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 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>				<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISED BY</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018	<small>PAGE</small> 2
<b>SUBJECT</b> Superlok Valves – Scope of Registration						<b>DCN</b>	<small>OF</small> 3

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog Page or Drawing Numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Instrumentation Manifold Valves SM2/3/5	Fitting Body	ASTM A276 or A479 Grade 316	Female NPT or Flange 1/4" to 1/2"	6000psig @ 70°F (See catalog)	Up to 1715psig @ 1200°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 48-55)
Instrumentation Gauge Valves SGBV/SGBV2	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/8" to 1/2"	6000psig @ 70°F	6000psig @ 450°F	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 56-57)
Swing Out Ball Valves SWB320	Fitting Body	ASTM A351, CF8M	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Socket Weld or Butt Weld 1/8" to 2"	Up to 3000psig @ 70°F	Up to 800psig @ 450°F	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 21-25)
Plug Valves SPV130	Fitting Body	ASTM A276, grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 3000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-10°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 58-59)
Rising Plug Valves SRPV	Fitting Body	ASTM A276, grade 316	Female NPT or Male NPT 1/4" to 3/4"	Up to 6000psig @ 70°F (See catalog)	Up to 1000psig @ 400°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 60-61)
Toggle Valves STV	Fitting Body	ASTM A182 Grade F316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	Up to 300psig @ 70°F (See catalog)	Up to 300psig @ 200°F (See catalog)	-20°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 62-63)
Bleed Valves SBLV	Fitting Body	ASTM A276 Grade 316	Male NPT or ISO Thread End 1/8" to 3/4"	Up to 10,000psig @ 70°F (See catalog)	Up to 6085psig @ 850°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 64)
Purge Valve SPUV	Fitting Body	ASTM A276 Grade 316	Superlok Tube Fitting CRN 0A18364.5C or Female NPT or Male NPT 1/8" to 1/2"	4000psig @ 70°F (See catalog)	Up to 2500psig @ 600°F (See catalog)	-65°F	n/a	ASME B16.34 ASME B31.1	Superlok Canada "Instrumentation Ball Valves" (Page 65-66)

The pressure ratings in the tables below apply to the 3-way valves configuration only. The pressure rating for all other valves within the scope of this document are shown in the Superlok Canada catalog.

Table 1: Ball, 3-Way Valve Pressure Ratings Table (SBVH360)

Body Size	End Connection Sizes	ASTM A276, grade 316	
		@70F	@446F
		psig	psig
3601	1/4 to 1/2	5000	5000
3602	1/2 to 3/4	4000	3900
3603	3/4 to 1	4000	3800

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 <b>A. R. Thomson Group</b>		<b>A.R. THOMSON – Red Deer</b> <b>SYSTEM CONTROL PROCEDURE</b>			<b>QSC503</b> <small>SYSTEM PROCEDURE NO.</small>	<b>B</b> <small>REV.</small>	
<small>WRITTEN BY</small> R. Walker	<small>DATE</small> Sept. 10, 2018	<small>REVISED BY</small> T. Cozens	<small>DATE</small> Nov. 22, 2018	<small>REVIEWED BY</small> T. Cozens	<small>DATE</small> Sept. 18, 2018	<small>EFFECTIVE</small> Sept. 18, 2018	
<b>SUBJECT</b> Superlok Valves – Scope of Registration					<b>DCN</b>	<b>3</b> <small>PAGE</small>	<b>3</b> <small>OF</small>

Table 2: Forged High Pressure, 3-Way Valve Pressure Ratings Table (SBVF360, SBVL360)

Body Size	End Connection Sizes	ASTM A276, grade 316 or ASTM A182, grade 316		ASTM A276, grade 316 or ASTM A351, grade CF8M	
		SBVF360	SBVF360	SBVL360	SBVL360
		psig @70F	psig @450F	psig @70F	psig @400F
3601	1/8 to 1/4	6000	6000	6000	700
3602	1/4 to 3/8	5000	5000	6000	700
3603	3/8 to 3/4	4500	4400	4500	700

### Document Revision History

The following table lists the revision made to this document each time when this document is modified.

Rev.#	Description	Date	Author	Approver
B	Added Table 1 and 2 and updated design conditions for SBVH, SBVF and SBVL valves in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens
B	Seperated SBVF and SBVL into sepearate rows in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens

**Technical Safety Authority  
of Saskatchewan  
Boiler & P.V. Safety Unit**

CRN 0C19107.23  
File 11024

**REGISTERED**  
Date Feb 06, 2019  
Exp. Nov 26, 2028  
Design Survey Office



**SAFETY CODES ACT - PROVINCE OF ALBERTA**  
**REGISTRATION OF FITTINGS**

REGISTRATION NO. 0C19107.2

ENG. NO. or CAT. NO. QSC503 Rev B

TYPE OF FITTINGS Valve

Date 2018-11-26 INITIALS dl  
XING LIU, P.Eng.  
DESIGN SURVEY ENGINEER

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**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

New Brunswick  
Nunavut

Nova Scotia  
**Yukon**

Prince Edward Island  
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: BMT Co., Ltd.	
Manufacturers Address: ASME35, Sanmakgongdannam 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
Plant Locations: 35, Sanmakgongdannam 11-gil Yangsan-Si, Gyeongsangnam-do Korea	
<p align="center"><b>Category of Fittings to be registered. Circle one Category only</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges  <input checked="" type="radio"/> 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 protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p align="center"><b>Title of the Standard of Construction</b></p> <p>ASME B31.1 ASME B16.34</p> 
<p align="center"><b>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</b></p> 	<p align="center"><b>Type of Construction</b></p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/>                  Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/>                  Describe other:  <b>Bar stock</b></p>
<p><b>List of supporting documentation and identification of the actual items to be registered:</b></p> <p>Bleed, Ball, Plug, Toggle, Needle, Purge, Manifold Valves - see attached scope statement                  Superlok catalog, Design reports, AR Thomson System Procedure # QSC503</p>	

**Declaration:**

I Jong Chen, Yoon (see note 3) employed by BMT Co., Ltd. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001-HSB 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: AC Yoon

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

This 14th day of September AD 2018

Commissioner of Oaths

Or Notary Public: (sign) Jaywoon Yeung

(Affix Official seal to the right)



This space for Regulatory Authority use.

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0C19107.2

FID#: 15715

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

11/2016

