ABSA
the pressure equipment safety authority

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

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

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 ¼" to ¼"	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	¼ to ½	5000	5000
3602	½ to ¾	4000	3900
3603	¾ to 1	4000	3800

OC19107.2

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 ¼	6000	6000	6000	700
3602	¼ to 3/8	5000	5000	6000	700
3603	3/8 to ¾	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 seperate 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 RevB
TYPE OF FITTINGS Valve
2018-11-26 INITIALS
Date
XING LIU, P.Eng.
DESIGN SURVEY ENGINEER

법무법인 삼 성

Registered No. 2018 - 1829

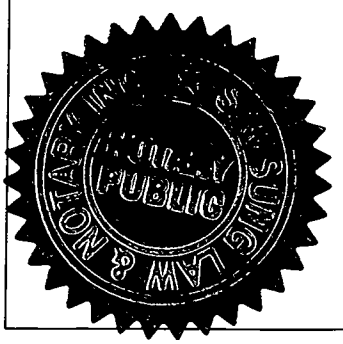
NOTARIAL CERTIFICATE

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



210×297mm(보존용지 1종)70g/㎡

Alberta Municipal Affairs

ABSA
the pressure equipment safety authority

AB-41 2016-01

STATUTORY DECLARATION
Registration of Fittings

I, Mr Jong Chan, Yoon (name of applicant), President (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)

In this space, show facsimile of manufacturer's marks will appear on the fitting.

SUPERLOK

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 (title of recognized North American Standard) 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 _____ (title of code of construction or other applicable document) as supported by the attached 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 (city) in the Gyeongsang namdo of Korea (province or state)

this 19th day of September (Month), 2018 (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: OC19107.2

(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 삼 성

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 면전에서 위 사서증서에 위 본인이 기명날인한 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 사무소에서 위 인증한다.

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

법무법인 삼 성
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

Signature of the Notary Public

JANG WOON YEOUNG

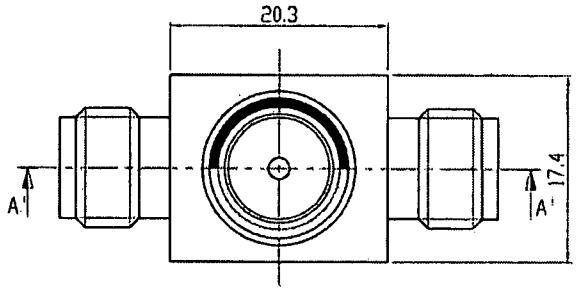
This office has been authorized by the Minister of Justice, the Republic of Korea to act as Notary Public since Feb. 7. 2015. under Law No. 220.

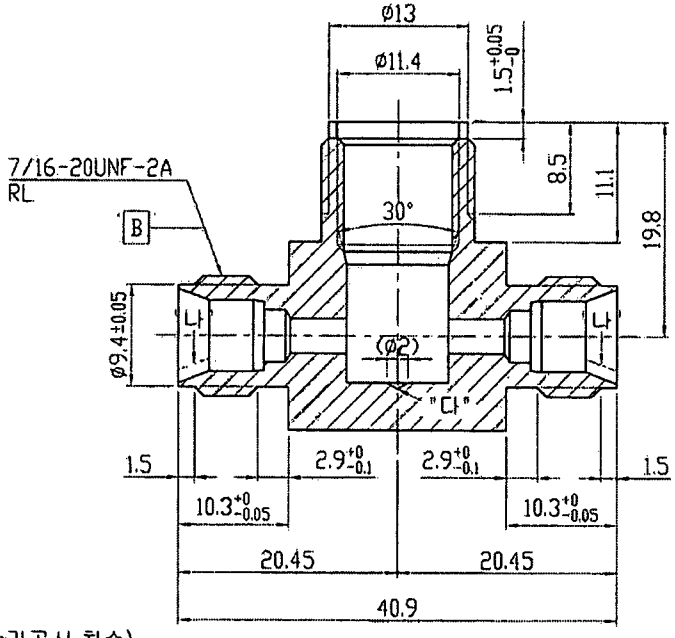
5 // FILE PATH : BMT /6BALL VALVE / SBV120H / STRAIGHT / SBV120H1 / BODY / BV120H1-S4

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

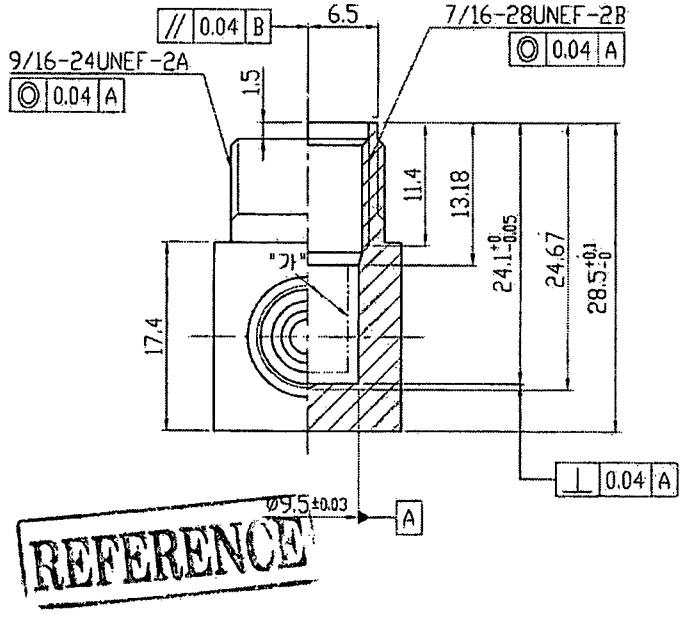
전산등록완료 | DATE & SIGN

BODY ▽N8 (▽N6)





SECTION A'-A'



REFERENCE

2018.08.09

주요 가공 POINT

가. 표면거칠기 : ▽N6 RL B

나. 표면거칠기 : ▽N6

다. 1차 드릴 ø50이하 드릴 반드시 사용할것.
(바닥 드릴홀 치수 ø2는 ø5드릴 깊이 24.67mm가공시 치수)

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. FSBV120H1 단조 사용
7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1

0C19107.2

가공 & 공정기호				구분 기호		표면조도				단위 / 일반공차			
						Rmax (μm)	Rmax (μin)	Ra	Rz	치수	1급	2급	3급
탄조	탄	도장	PA	▽▽▽▽	나	0.85	6	0.2	0.82				
버니싱	NB	도금	PL		나	1.63	10	0.4	1.62				
방전	EB	코팅	CT	▽▽▽	나	3.25	20	0.8	3.22	6 이하	0.05	0.10	0.20
전해연마	EP	산세	SCP		나	5.33	63	1.6	5.32	6 ~ 30	0.10	0.20	0.50
연삭	G	부동태	PA	▽▽	나	12.65	125	3.2	12.64	30 ~ 120	0.15	0.30	0.80
래핑	LP	열처리	H		나	25.3	250	6.3	252	120 ~ 400	0.50	0.50	1.20
바렐	BR	용접	W	▽	나	50.6	500	12.5	502	400 ~ 1000	0.30	0.80	2.00
				~		특별한 규정없음				1000 이상	0.50	1.20	3.00

REV	DATE	REVISION DESCRIPTION
-		-

TITLE: BALL VALVE - SBV120H1 1/4" - BODY

SCALE 1/1 | SHEET NO 1 OF 1 | DATE 18.06.15

DRAWN Y.J.H | CHECKED | APPROVED | DRG NO BV120H1-S4 | REV NO. 0

주) 비 엠 티 B.M.T. CO., LTD.

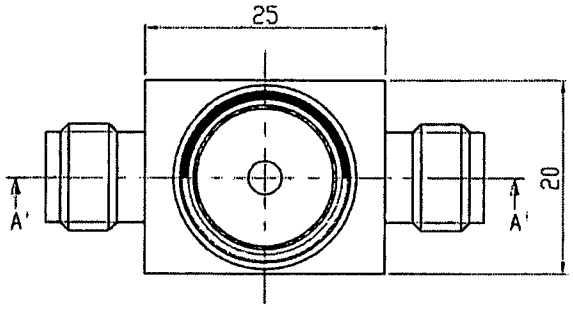
A4 (297x210)

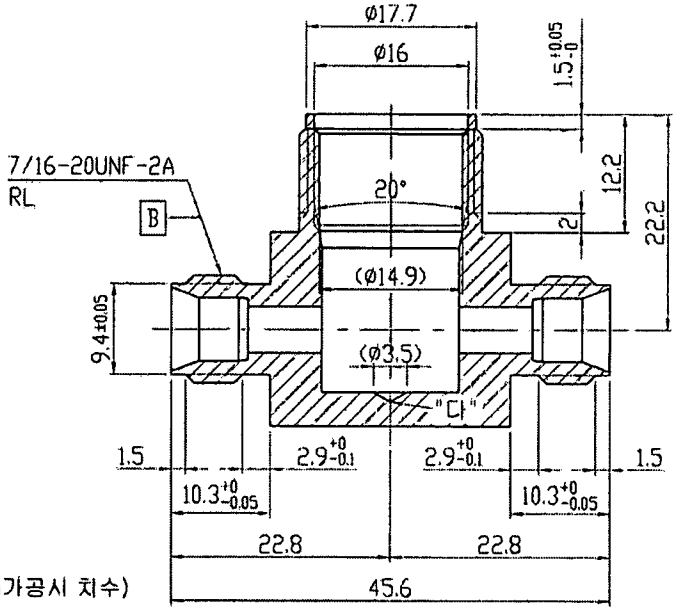
// FILE PATH : BMT/ BALL VALVE / SBV120 / STRAIGHT / SBV120H2 / BODY / BV120H2-S4

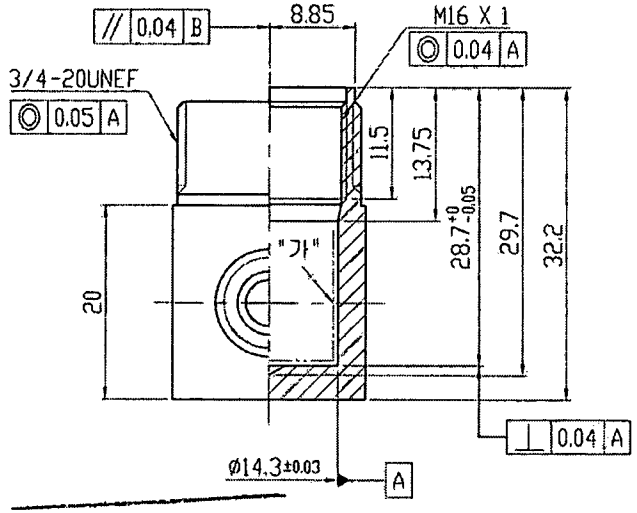
No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	1/4"	A182 F316	1	-

전산등록완료 DATE & SIGN

BODY N8 (N6)







REFERENCE

주요 가공 POINT

가. 표면거칠기 : N6

나. 표면거칠기 : N6 RLB

다. 1차 드릴 ø5이하 드릴 반드시 사용할것.
(바닥 드릴홈 치수 ø3.5는 ø5드릴 깊이 29.7mm가공시 치수)

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. FSBV120H2 단조 사용
7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1
METRIC : ISO 261

SECTION A'-A'

2018.08.09

REV	DATE	REVISION DESCRIPTION

TITLE: BALL VALVE - SBV120H2 1/4" - BODY

SCALE 1/1 | SHEET NO 1 OF 1 | DATE 18.08.09

DRAWN | CHECKED | APPROVED | DWG NO BV120H2-S4 | REV NO 0

주) 비 엠 티 BMT CO., LTD.

A4 (297X210)

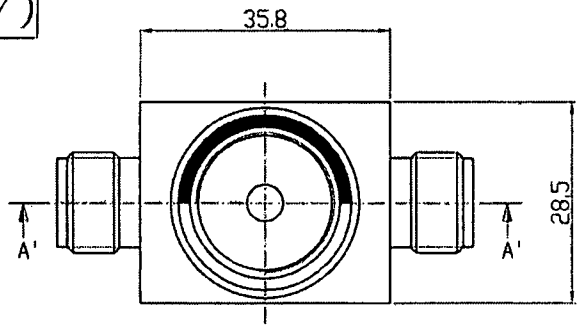
// FILE PATH : BMT / BALL VALVE / SBV120H / STRAIGHT / SBV120H3 / BODY

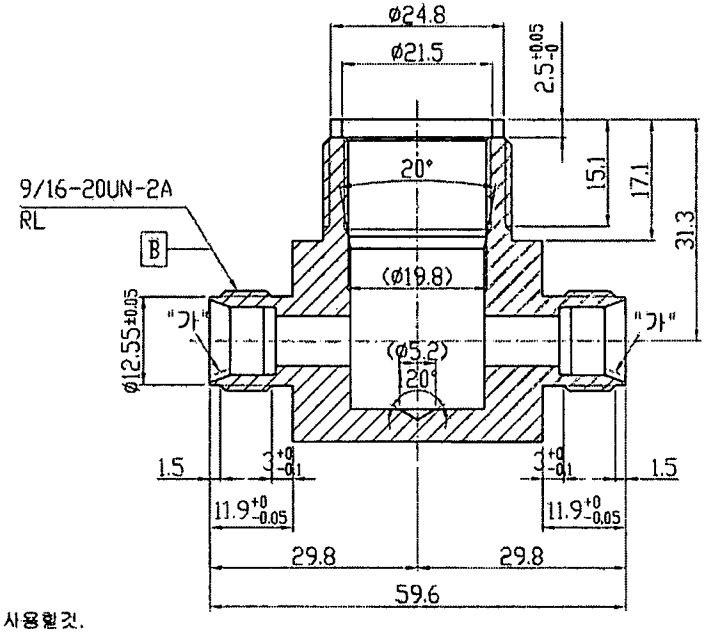
No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	3/8"	A182 F316	1	-

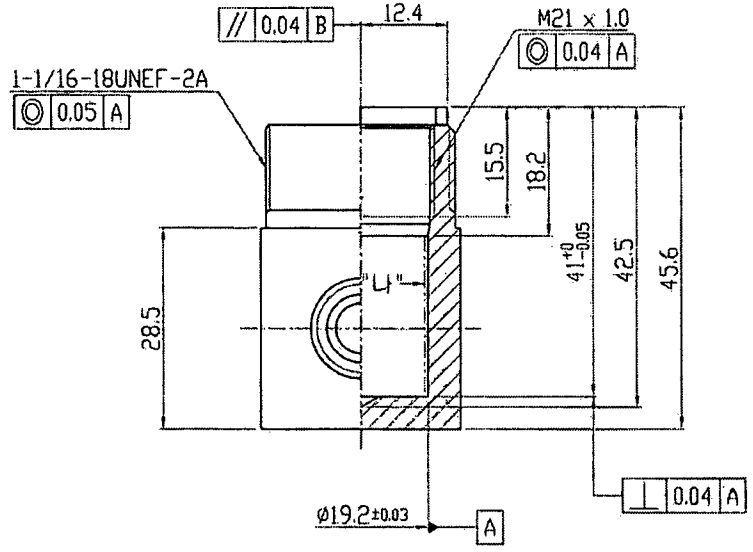
전산등록완료 | DATE & SIGN

BODY

N8 (N6)







주요 가공 POINT

가. 표면거칠기 : N6 (RL B)

나. 표면거칠기 : N6

다. 1차 드릴 ø8이하 드릴 반드시 사용할것.
(바닥 드릴효 치수 ø5.2는 ø8드릴 깊이 42.5mm가공시 치수)

SECTION A'-A'

REFERENCE

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. FSBV120H3 단조 사용
7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1
-- METRIC : ISO 261

2018-08-09

REV	DATE	REVISION DESCRIPTION
1	-	-

TITLE: BALL VALVE - SBV120H3
3/8" - BODY

SCALE 1/1 | SHEET NO 1 OF 1 | DATE 18.08.22

DRAWN R.C.S | CHECKED | APPROVED | DWG NO BV120H3-S6 | REV NO. 0

주) 비 엠 티 BMT CO., LTD.

A4 (297x210)

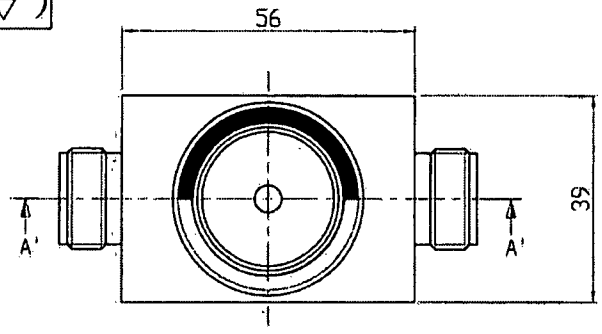
// FILE PATH : BMT /6BALL VALVE / SBV120H / STRAIGHT / SBV120H4 / BODY / BV120H4-S8

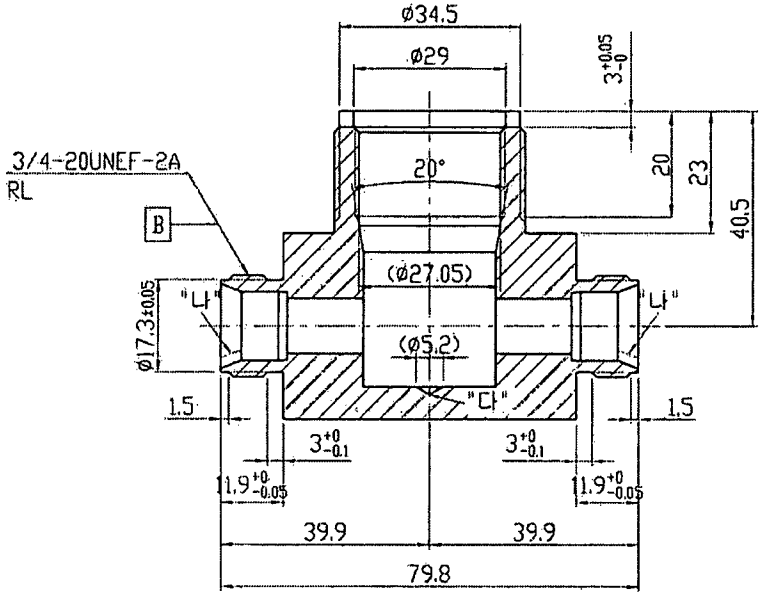
No.	DESCRIPTION	SIZE	MAT'L	Q'TY	REMARK
1	BODY	1/2"	A182 F316	1	-

전산등록완료 | DATE & SIGN

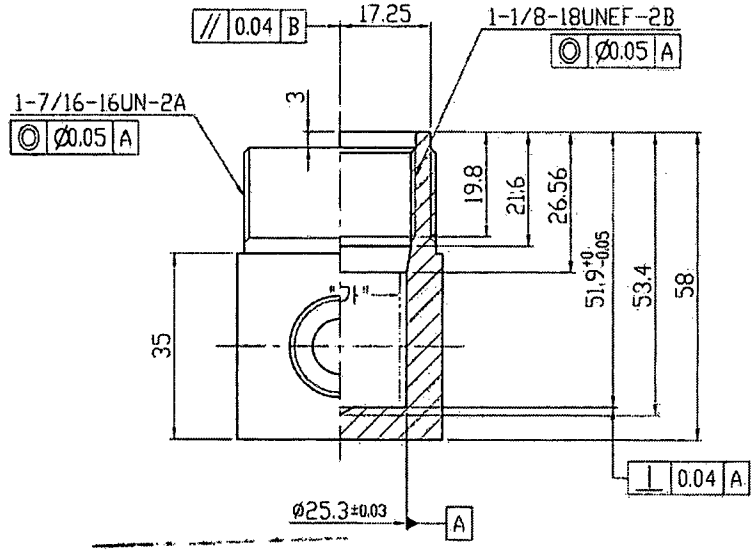
BODY

N8 (N6)





SECTION A'-A'



REFERENCE

주요 가공 POINT

가. 표면거칠기 : N6

나. 표면거칠기 : N6 RLB

다. 1차 드릴 ø8이하 드릴 반드시 사용할것.
(바닥 드릴홀 치수 ø5.2는 ø8드릴 깊이 53.4mm가공시 치수)

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

기공 & 검정기호				구분	기호	표면조도				단위 / mm		공차 (±)		
										치수		1급	2급	3급
관조	RL	도장	PA		▽▽▽	0.85	8	0.2	0.82	0 ~ 6		0.05	0.1	0.2
버니싱	RLB	도금	PL		▽	1.65	16	0.4	1.62	6 ~ 30		0.10	0.20	0.50
랩핀	LP	크림	CT		▽▽▽	3.25	32	0.8	3.22	30 ~ 120		0.15	0.30	0.80
리버운마	SP	산세	SCP			6.35	63	1.6	6.32	120 ~ 400		0.20	0.50	1.20
연삭	G	무등대	PA		▽▽	12.55	125	3.2	12.52	400 ~ 1000		0.30	0.80	2.00
버핑	BF	열처리	H		▽	25.5	250	6.3	25.2	1000 이상		0.50	1.20	3.00
마킹	MK	용접	W		~	50.5	500	12.5	50.2					
						특별한 규정없음								

REV	DATE	REVISION DESCRIPTION
	-	-

TITLE: BALL VALVE - SBV120H4 1/2" - BODY

SCALE: 1/1 | SHEET NO: 1 OF 1 | DATE: 18.06.18

DRAWN	CHECKED	APPROVED	DWG NO
R.C.S			BV120H4-S8

주) 비 엠 티 BMT CO., LTD.

REV NO. 0

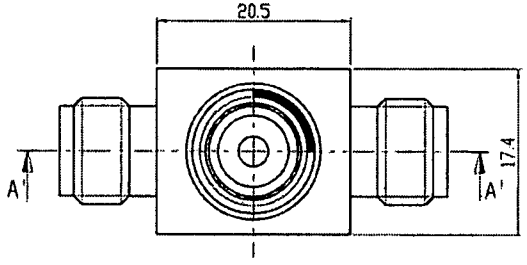
A4 (297X210)

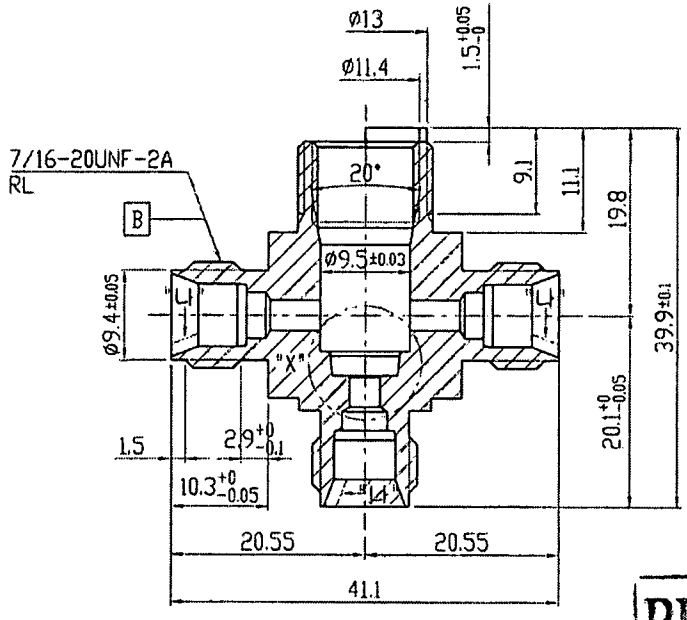
// FILE PATH : BMT ₫ BALL VALVE / SBV120H / 3-WAY / SBV120H13 / BODY / BV120H13-S4

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

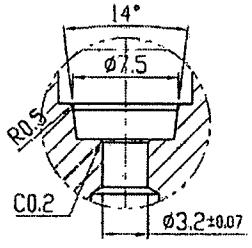
전산등록완료 | DATE & SIGN

BODY $\frac{N8}{(N6)}$

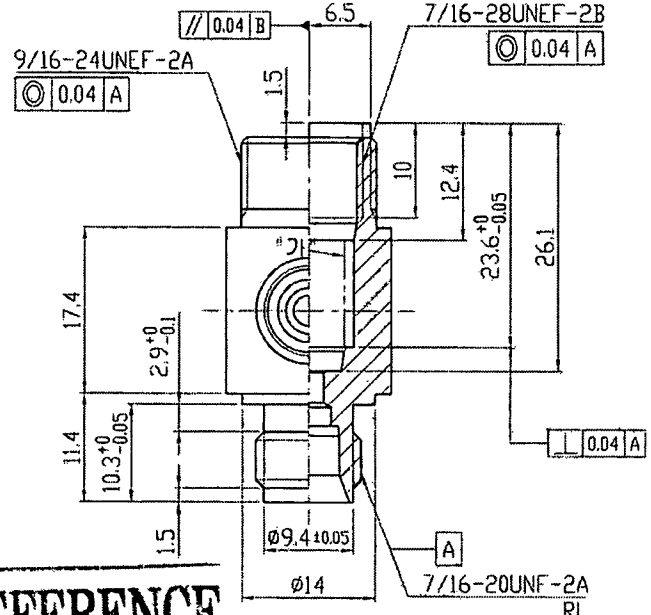




SECTION A'-A'



DETAIL "X"
SCALE 1.5:1



REFERENCE

주요 가공 POINT

가. 표면거칠기 : $\frac{N6}{}$

나. 표면거칠기 : $\frac{N6}{RL.B}$

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. FSBV120H13 단조 사용
7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1

REV	DATE	REVISION DESCRIPTION
-	-	-

TITLE: BALL VALVE - SBV120H13 1/4" - BODY

SCALE 1/1 | SHEET NO 1 OF 1 | DATE 18.05.22

DRAWN	CHECKED	APPROVED	DWG NO
Y.J.H			BV120H13-S4

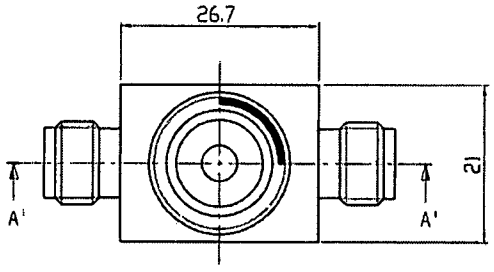
주) 비 엠 티 BMT CO.,LTD. | REV NO. 0

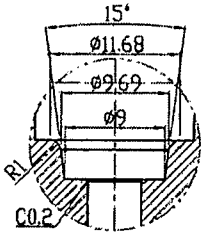
// FILE PATH : BMT ₫ BALL VALVE / SBV120H / 3-WAY / SBV120H23 / BODY / BV120H23-S4

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

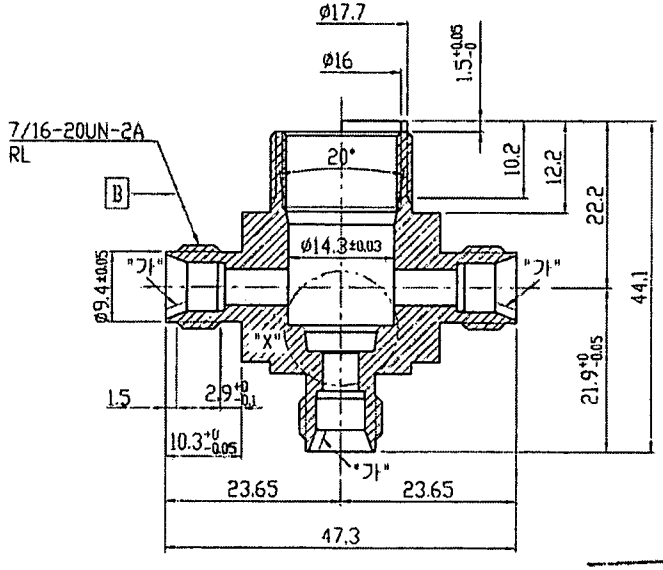
전산등록완료 | DATE & SIGN

BODY $\overset{N8}{\nabla}$ ($\overset{N6}{\nabla}$)

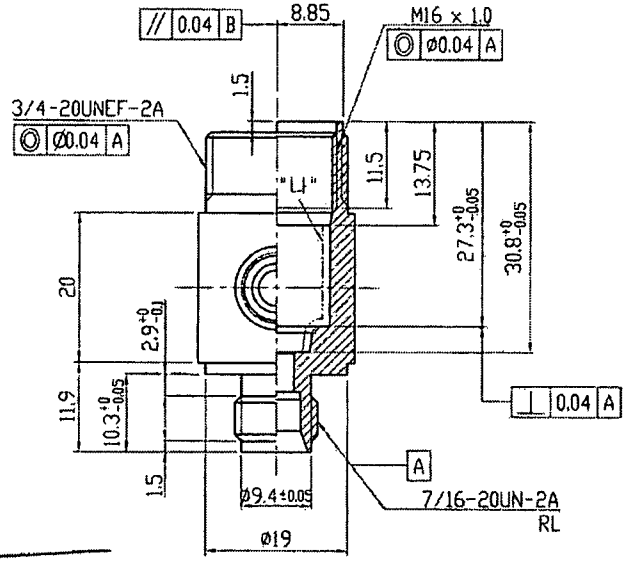




DETAIL "X"
SCALE 1.5:1



SECTION A'-A'



REFERENCE

주요 가공 POINT

가. 표면거칠기 : $\overset{RLB}{\overset{N6}{\nabla}}$

나. 표면거칠기 : $\overset{N6}{\nabla}$

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. FSBV120H23 단조 사용
7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1
   METRIC : ISO 261

2010.08.09

기공 & 공용기호	구분	기호	표면조도	단위 / mm	공차 (±)
선조 RL 도장 PA		▽▽▽	0.85 8 0.2 0.82	지수	1급 2급 3급
버니싱 RLB 밀폐 PL			1.65 16 0.4 1.62	0 ~ 6	0.05 0.10 0.20
밀폐 ED 표면 CT		▽▽	3.35 32 0.8 3.22	6 ~ 30	0.10 0.20 0.50
전열면마감 DF 산세 SCP			6.55 63 1.6 6.32	30 ~ 120	0.15 0.30 0.80
연삭 G 부동태 PA		▽	12.55 125 3.2 12.57	120 ~ 400	0.20 0.40 1.20
버핑 BF 열처리 H			25.5 250 6.3 25.2	400 ~ 1000	0.30 0.60 2.00
버핑 BM 연마 M		▽	50.5 500 12.5 50.2	1000 이상	0.50 1.20 3.00
		-	특별한 규정없음		

REV	DATE	REVISION DESCRIPTION
-	-	-

TITLE	BALL VALVE - SBV120H23 1/4" - BODY	SCALE	1/1
		SHEET NO	1 OF 1
		DATE	10.05.20
DRAWN	CHECKED	APPROVED	DWG NO: BV120H23-S4
R.C.S			

주) 비 엠 티 BMT CO., LTD. REV NO. 0

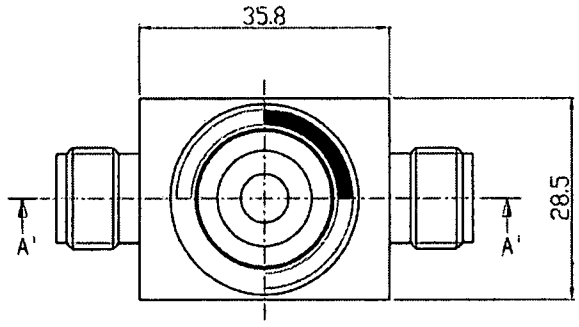
A4 (297x210)

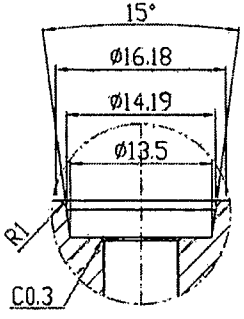
// FILE PATH : BMT ₫ BALL VALVE / SBV120H / 3-WAY / SBV120H33 / BODY / BV120H33-S6

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

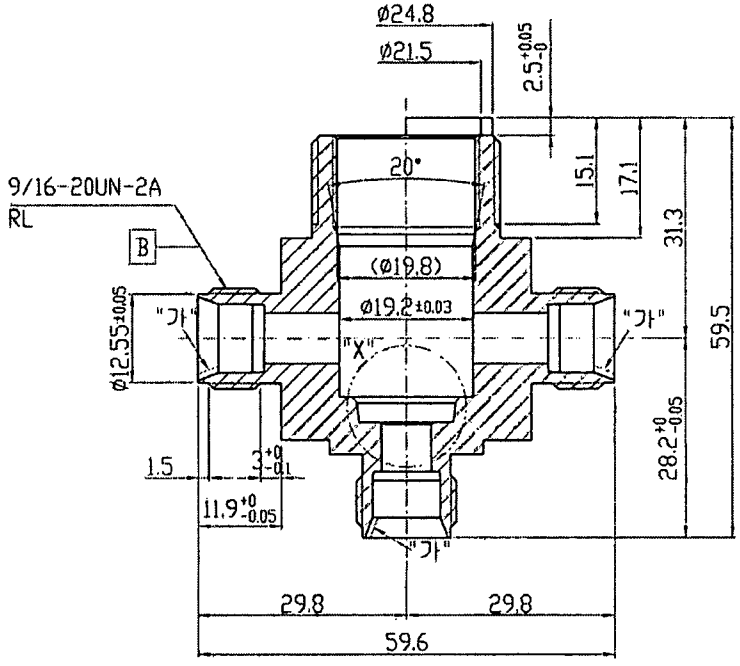
전산등록완료 | DATE & SIGN

BODY ▽N8 (▽N6)

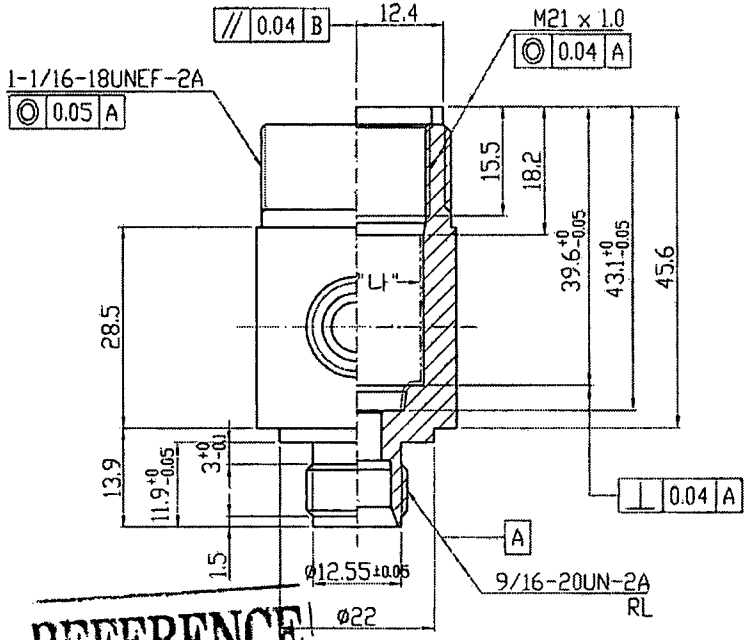




DETAIL "X"
SCALE 1.5:1



SECTION A'-A'



REFERENCE

주요 가공 POINT

가. 표면거칠기 : ▽N6 RLB

나. 표면거칠기 : ▽N6

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. FSBV120H33 단조 사용
7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1
   - METRIC : ISO 261

가공 & 검정기호				기호	구분	표면조도 Ra(μm)	Rz(μm)	N
선조	鍛	도장	PA	▽▽▽▽	N1	0.05	8	0.2
비다듬	FILE	도금	PL		N2	1.6	10	0.4
밀링	ED	코팅	CT	▽▽▽	N3	3.25	32	0.8
전해연마	DP	산화	SDP		N4	6.25	63	1.6
선삭	Q	쇼트피닝	PA	▽▽	N5	12.50	125	3.2
버핑	BF	열처리	H		N6	25.0	250	6.3
연삭	GR	용접	▽	▽	N7	50.0	500	12.5
				-		특별한 규정없음		

치수	1급 1st Grade	2급 2nd Grade	3급 3rd Grade
6 이하	0.05	0.10	0.20
6 초과 30 이하	0.10	0.20	0.50
30 초과 120 이하	0.15	0.30	0.80
120 초과 400 이하	0.20	0.50	1.20
400 초과 1000 이하	0.30	0.80	2.00
1000 이상	0.50	1.20	3.00

REV	DATE	REVISION DESCRIPTION
-		

TITLE: BALL VALVE - SBV120H33 - 3/8" - BODY

SCALE 1/1 | SHEET NO 1 OF 1 | DATE 18.06.29

DRAWN	CHECKED	APPROVED	DWG NO
R.C.S			BV120H33-S6

주) 비 엠 티 BMT CO., LTD.

REV NO. 0

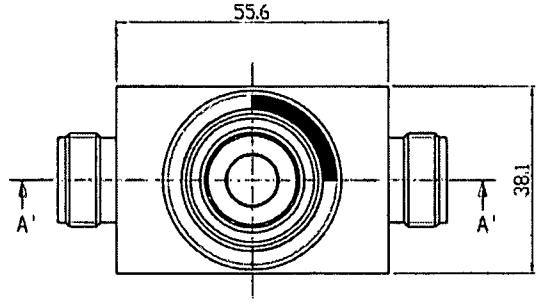
A4 (297x210)

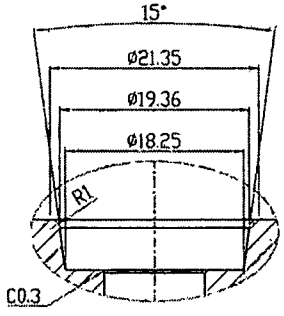
// FILE PATH : BMT ø BALL VALVE / SBV120H / 3-WAY / SBV120H43 / BODY / BV120H43-S8

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

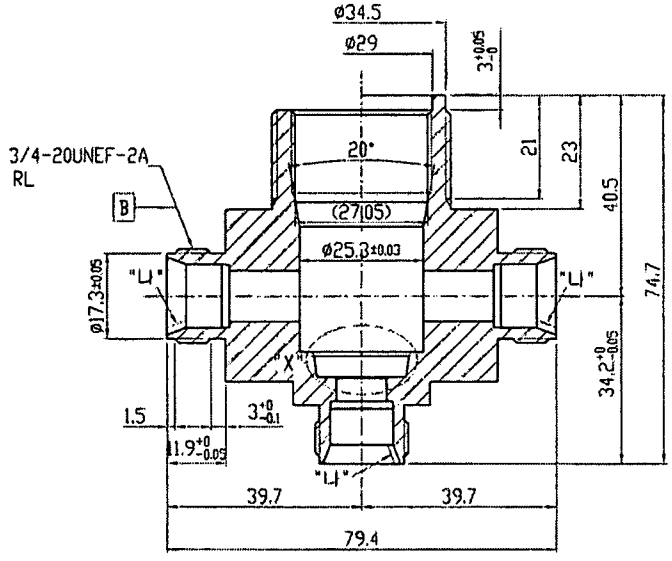
전산등록완료 | DATE & SIGN

BODY N8 (N6)

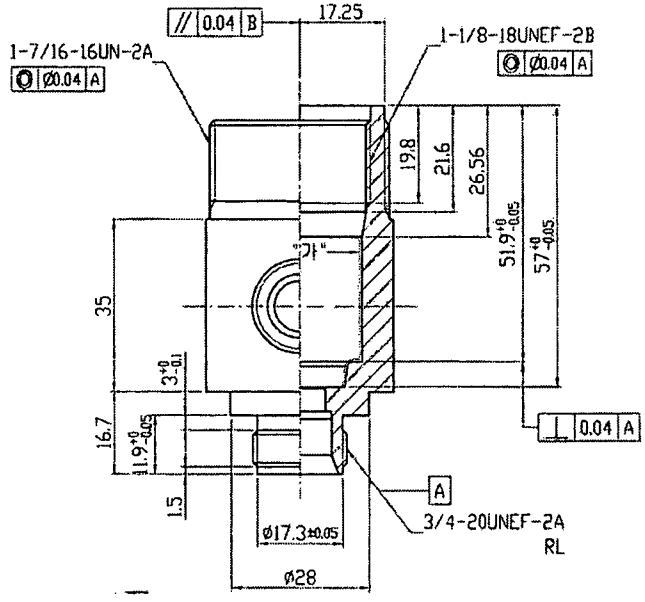




DETAIL "X"
SCALE 2:1



SECTION A'-A'



주요 가공 POINT

가. 표면거칠기 : N6 RLB

나. 표면거칠기 : N6

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. FSB120H43 단조 사용
7. 나사적용 규격 - UNF : ISO 725 / ASME B1.1

REFERENCE

REV	DATE	REVISION DESCRIPTION
-	-	-

TITLE: BALL VALVE - SBV120H43 1/2" - BODY

SCALE 1/1 | SHEET NO 1 OF 1 | DATE 18.06.29

DRAWN	CHECKED	APPROVED	DRG NO
R.C.S			BV120H43-S8

주) 비 엠 티 BMT CO., LTD. REV NO 0

TECHNICAL SAFETY BC

Suite 600 - 2889 E 12th Ave
Vancouver, BC V5M 4T5

Toll Free: 1-866-566-7233
www.technicalsafetybc.ca

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.

TECHNICAL SAFETY BC

Suite 600 - 2889 E 12th Ave
Vancouver, BC V5M 4T5

Toll Free: 1-866-566-7233
www.technicalsafetybc.ca

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

Emilia Tam

emilia.tam@technicalsafetybc.ca
Design Administration

cc:

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

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 6-9, 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)

OC19107.2

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 ¼" to ½"	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 SPV1S0	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	ASTM A276, grade 316 @446F psig
3601	¼ to ½	5000	5000
3602	½ to ¾	4000	3900
3603	¾ to 1	4000	3800

TECHNICAL SAFETY BC
CRN #: 0C19107.2
Date: FEB 19, 2019
BC J#: 72557

0C19107.2

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 ¼	6000	6000	6000	700
3602	¼ to 3/8	5000	5000	6000	700
3603	3/8 to ¾	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 seperate 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 XING LIU, PEng. DESIGN SURVEY ENGINEER

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

June 3rd, 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 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, Sanmakgongdannam 11-gil Yangsan-Si,Gyeongsangnam-do Korea

Plant Locations: 35, Sanmakgongdannam 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

SUPERLOK

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, 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: 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 Yeoung

(Affix Official seal to the right)

Use this space

JANG WOON YEOUNG

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 supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality Control programs shall be resubmitted for validation.

11/2016

DEPT OF JU... BOILER & PRES... SELACT

REGISTRATION ONLY

CRN 0C19107.27

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 | Nova Scotia | Prince Edward Island | Newfoundland and Labrador
Nunavut | Yukon | Northwest Territories

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

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

SUPERLOK

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, 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: JC Yoon

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

This 19th day of September AD 2018

Commissioner of Oaths
Or Notary Public: (sign) Jangwoon Yeoung

(Affix Official seal to the right) JANG WOON YEOUNG

Use this space

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 supported with two Statutory Declaration forms and one copy of supporting documentation.
3 The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4 Quality Control programs shall be resubmitted for validation.

Newfoundland
Labrador
Service NL
Registered 0C19107.20
Date 19/01/15
Registrar

11/2016

Sect 1.0 - Fittings Rev.2

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)

2019107.2

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 ¼" 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 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	¼ to ½	5000	5000
3602	½ to ¾	4000	3900
3603	¾ to 1	4000	3800

OC19107.2

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 ¼	6000	6000	6000	700
3602	¼ to 3/8	5000	5000	6000	700
3603	3/8 to ¾	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 seperate 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 RevB
TYPE OF FITTINGS Valve
2018-11-26 INITIALS
Date
XING LIU, P.Eng.
DESIGN SURVEY ENGINEER

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, Sanmokgongdannam 11-gil Yangsan-Si,Gyeongsangnam-do Korea

Plant Locations: 35, Sanmokgongdannam 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

SUPERLOK

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, 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: JC Yoon

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

This 19th day of September AD 2018

Commissioner of Oaths
Or Notary Public: (sign) Jangwoon Yeoung

(Affix Official seal to the right) JANG WOON YEOUNG

Use this space

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

$163.00

Notes:

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

11/2016

Northwest Territories
REGISTERED
UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT.
C.R.N. 0C19107.2T Sect 1.0 - Fittings Rev.2
SIGNED
DATE Jan 14/2019

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, Sanmakgongdannam 11-gil Yangsan-SI,Gyeongsangnam-do Korea

Plant Locations: 35, Sanmakgongdannam 11-gil Yangsan-SI,Gyeongsangnam-do Korea

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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

SUPERLOK

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, 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: 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) Jaewoon Yeung

(Affix Official seal to the right) JANG WOON YEOUNG

For use this space

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 supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality Control programs shall be resubmitted for validation.

11/2016

BOILER & PRESSURE VESSEL NOVA SCOTIA
Date Jan. 11/19
C.R.N. 0C19107.28
Dwg. as described
Signed Yvonne Perry
1 of 1 Part
ACT & REGULATIONS

Sect 1.0 - Fittings Rev.2

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, Sanmakgongdannam 11-gil Yangsan-Si,Gyeongsangnam-do Korea

Plant Locations: 35, Sanmakgongdannam 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

SUPERLOK

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, 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: JC Yoon

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

This 19th day of September AD 2018

Commissioner of Oaths
Or Notary Public: (sign) Jangwoon Yeong

(Affix Official seal to the right)

Use this space

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:

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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

NUNAVUT
Boilers and Pressure Vessels Act
REGISTERED
CRN 0C19107.2N
Date Jan 11, 2019
Signed
Chief Inspector

Sect 1.0 - Fittings Rev.2

Territorial Registration Fee

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel 416 734 3300
Fax 416 231 1626
Toll Free 1 877 682 8772

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. 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

Alberta Municipal Affairs

ABSA
the pressure equipment safety authority

AB-41 2016-01

STATUTORY DECLARATION
Registration of Fittings

I, Mr Jong Chan, Yoon (name of applicant), President (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)

In this space, show facsimile of manufacturer's marks will appear on the fitting.

SUPERLOK

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 (title of recognized North American Standard) 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 _____ (title of code of construction or other applicable document) as supported by the attached 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

Technical Standards and Safety Authority — Boilers and Pressure Vessels Safety Program — REGISTERED — C.R.N. 0C19107.25 — Signed — JAN 16, 2019

DECLARED before me at Yangsan (city) in the GyeongSangNamdo of Korea (province / state)

this 14th day of September (Month), 2018 (Year)

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

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

J C (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: 0C19107.25

(Signature of the Administrator/SCO)

Date Registered: JAN 16, 2019 Expiry Date: NOV. 26, 2028

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 삼 성

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 삼 성

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 면전에서 위 사서증서에 위 본인이 기명날인한 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 사무소에서 위 인증한다.

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

법무법인 삼 성
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 _____

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.

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)

OC1910702

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 ¼" to ¼"	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	¼ to ½	5000	5000
3602	½ to ¾	4000	3900
3603	¾ to 1	4000	3800

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 ¼	6000	6000	6000	700
3602	¼ to 3/8	5000	5000	6000	700
3603	3/8 to ¾	4500	4400	4500	700

THIS IS PART OF CRN OC19107.25
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
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	Seperated SBVF and SBVL into seperate rows in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens

ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS
REGISTRATION NO. OC 19107.2
DWG. NO. or CAT. NO. QSC503 RevB
TYPE OF FITTINGS Valve
2018-11-26 INITIALS
Date
XING LIU, P.Eng.
DESIGN SURVEY ENGINEER

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, Senmakgongdannam 11-gil Yangsan-Si,Gyeongsangnam-do Korea

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

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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

SUPERLOK

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, 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 9001-1998 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 19th day of September AD 2018

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

(Affix Official seal to the right) JANG WOON YEOUNG

Use this space

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 submitted 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 program shall be resubmitted for validation.

11/2016

ACCEPTED
PROVINCE OF PRINCE EDWARD ISLAND
COMMUNITIES, LAND & ENVIRONMENT

C.R.N. 0C19107.29

DATE: 11/19

INSPECTION SERVICES SECTION
BOILER/PRESSURE VESSEL BRANCH

Sect. 1.0 - Fittings Rev.2

CSA Group

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

Janet Townsend

Janet Townsend
Program Manager
CSA Group

178 Rexdale Blvd.
Toronto, ON, M9W 1R3
Canada
www.csagroup.org

ABSA
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 1 OF 4
ATTACHMENT TO
C.R.N. 0C19107.2b
Signed:
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

2018-06625

Régie du bâtiment Québec

REGISTERED
CRN: OC19107.26
CSA Group

Statutory Declaration Registration of Fittings

Registration Process administered by CSA Group per CSA B51

(a) Design Qualification

I[1] 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[2] 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 4th day of March AD 2019

Jay Woon Yang
A (commissioner for oaths)

J C Yoon
Signature of Declarer[3]

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 OC19107.26

For the Chief Inspector A. BANWATT

Date May. 18. 2019

CSA Group

1 *Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.*
2 *All fittings are required to be registered in the name of the Manufacturer.*
3 *This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.*

*Note: See the attachment for the scope of the registration.

CSA Group

법무법인 삼 성

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 삼 성

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 면전에서 위 사서증서에 위 본인이 기명날인한 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 4th day of MAR., 2019. at this office.

법무법인 삼 성
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 장 운 영 Jang 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.

REGISTERED

CSA Group

CRN: OC19107.26

Registration Process administered by
CSA Group per CSA B51

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

Signed:

Date: May. 18 -2019

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

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)

0C1910 7.2

CSA 2 OF 4

ATTACHMENT TO
C.R.N. 0C1910 7.26
Signed:
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

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 ¼" 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 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	ASTM A276, grade 316 @446F psig
3601	¼ to ½	5000	5000
3602	½ to ¾	4000	3900
3603	¾ to 1	4000	3800

CSA Group 3 of 4

ATTACHMENT TO
C.R.N. 0C19007.26
Signed:
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

0C19107.2

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 ¼	6000	6000	6000	700
3602	¼ to 3/8	5000	5000	6000	700
3603	3/8 to ¾	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 seperate rows in scope table	Nov. 22, 2018	Tim Cozens	Tim Cozens

CSA Group 4 OF 4

ATTACHMENT TO
C.R.N. 0C19107.26
Signed:
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS
REGISTRATION NO. 0C19107.2
DWG. NO. or CAT. NO. QSC503 RevB
TYPE OF FITTINGS Valve
2018-11-26 INITIALS
Date
XING LIU, P.Eng.
DESIGN SURVEY ENGINEER

Technical Safety Authority of Saskatchewan

2202 2nd Avenue
Regina, SK S4R 1K3 Canada
1 (866) 530-8599
info@tsask.ca
www.tsask.ca

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,

RZaman

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.

Alberta Municipal Affairs

ABSA
the pressure equipment safety authority

AB-41 2016-01

STATUTORY DECLARATION
Registration of Fittings

I, Mr Jong Chan, Yoon (name of applicant), President (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)

In this space, show facsimile of manufacturer's trademark that will appear on the fitting.

SUPERLOK

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 (title of recognized North American Standard) 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 _____ (title of code of construction or other applicable document) as supported by the attached 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 (city) in the Gyeongsangnamdo of Korea (province or state)

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

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

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: _____

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 삼 성

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 삼 성

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 면전에서 위 사서증서에 위 본인이 기명날인한 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 사무소에서 위 인증한다.

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

법무법인 삼 성
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 장 원 영

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.

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)

2019107.2

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 ¼" 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 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	¼ to ½	5000	5000
3602	½ to ¾	4000	3900
3603	¾ to 1	4000	3800

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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 ¼	6000	6000	6000	700
3602	¼ to 3/8	5000	5000	6000	700
3603	3/8 to ¾	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 seperate 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

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
XING LIU, P.Eng.
DESIGN SURVEY ENGINEER

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, Sanmakgongdannam 11-gil Yangsan-Si,Gyeongsangnam-do Korea

Plant Locations: 35, Sanmakgongdannam 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

SUPERLOK

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, 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: JC Yoon

Declared before me at SAMSUNG LAW & NOTARY OFFICE INC.

This 19th day of September AD 2018

Commissioner of Oaths
Or Notary Public: (sign) Jangwoon Yeoung

(Affix Official seal to the right) JANG WOON YEOUNG

Use this space

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 accompanied 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

GOVERNMENT OF YUKON
BY
CRN 0C19107.2Y
DATE 01/14/2019
Sect 1.0 - Fittings Rev.2
BOILER BRANCH