



GVK(KSM)

PIPELINE ANCILLARIES

Total Engineering Solution Service

Mission

기초에 근거하여 원천 기술을 살리고 원천 기술을
극대화하여 세계 중심에 서는 것

To stand at the centre of the world by
utilizing original technology based on the
foundation and maximizing original technology

Vision

우리는 옳은 일과 가치 있는 일에 주저함이 없이
최선을 다하고 실천하여 세계의 중심에 서자

Let us put ourselves at the center of the world by
doing our best and not hesitating to stand up for
what is right and worthy



GLOBAL VISION KOREA

VMV[®]
Value MFG Valve

 **ACEFLOW**
Valve Engineering



Valve Product Service



GVK Limited, founded in June 2020 by a leader with 38 years of experience, focuses on R&D while ensuring quality, price, and functionality through domestic production. The company offers Process Valves, Valve Equipment, and Total Engineering services for industries such as Gas, Refining, Petroleum, Power generation, Environment, and Water treatment.

With a management team possessing 30-40 years of experience, GVK has developed numerous patents and adheres to quality standards like ISO 9001, 14001, 45001, and CE. Recognized for its advanced automatic control valves, GVK also supplies a range of Control Valves globally through OEM and ODM partnerships.

Although still in the early design and manufacturing stages, GVK has emerged as a leading company in Korea, equipped with skilled personnel and testing capabilities. The company aims to lower production costs, enhance efficiency, and improve quality while accumulating Hyper-Intelligence Valve Engineering (HIVE) technology. GVK Limited is committed to meeting customer needs with competitive pricing and high value-added services.

The Professional Provider of Automatic valve Actuators



Mutually Beneficial Relationships



To Be Your Best Partner



Twenty years experience "one stop" goods and services





GVK(KSM)
Pipeline Ancillaries
Total Engineering Solution Service



GVK / KSM PIPELINE ANCILLARIES

Contents

Series KSM

- 04 Structural Features
- 05
- 06

Gate Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 2500

Service Temperature : Up to +500°C

Available Size : NPS 2" to 64" (DN50 to DN1600)

Standard Features

Full port design

OS & Y (Outside Screw and Yoke)

BB (Bolted Bonnet)

PSB (Pressure Seal Bonnet)

Rising stem and non-rising handwheel

Flexible/Solid wedge

Parallel slide disc type

Flanged or Butt-Welding ends

Fire safe design

Optional Features

MESC-T.A.T

UL/FM

CE 2014/68/EU(PED)

Locking device

Special packing option

Low emission control

Bonnet extension stem

Design Standards

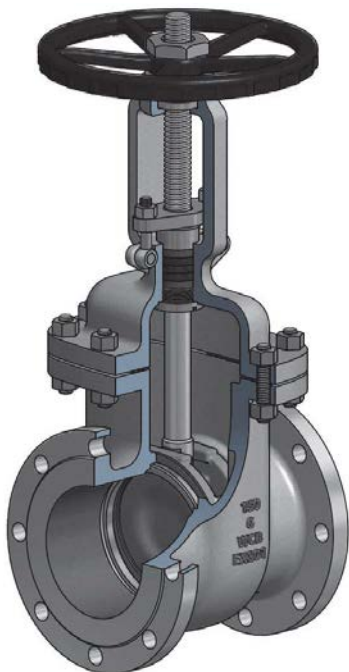
Design Code : ASME B16.34/API 603/API 600/ISO 10434

Face to Face : ASME B16.10

End Flange : ASME B16.5 & ASME B16.47

BW End : ASME B16.25

Test : API 598/ISO 5208



Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A217 - WC9, C5, C12 or Equivalent
Special alloy steel	Inconel 625, 825 or Equivalent Hastelloy C Monel or Equivalent
Bronze	ASTM B148 - C95800 ASTM B62, B61 or Equivalent
Ductile iron	ASTM A395 65-45-15 ASTM A395 60-40-18

Globe Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 2500
 Service Temperature : Up to +500°C
 Available Size : NPS 2" to 24" (DN50 to DN600)

Standard Features

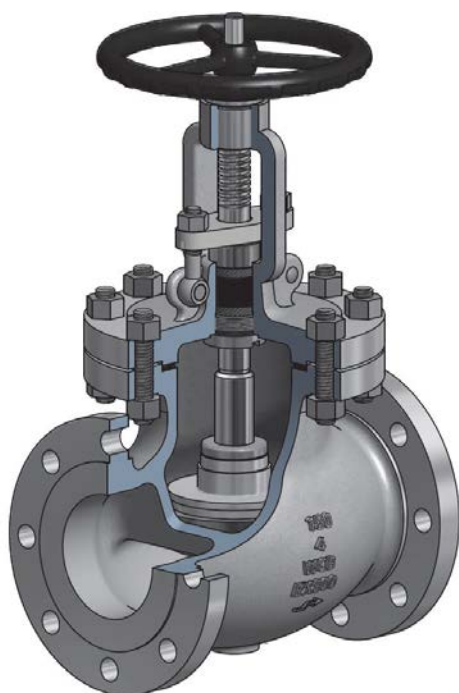
Full port design
 Straight pattern body
 OS & Y (Outside Screw and Yoke)
 BB (Bolted Bonnet)
 PSB (Pressure Seal Bonnet)
 Rising stem and handwheel
 Plug or Needle disc
 Flanged or Butt-Welding ends
 Fire safe design

Optional Features

MESC-T.A.T
 UL/FM
 CE 2014/68/EU(PED)
 Locking device
 Special packing option
 Low emission control
 Bonnet extension stem

Design Standards

Design Code : ASME B16.34/API 623/BS 1873
 Face to Face : ASME B16.10
 End Flange : ASME B16.5
 BW End : ASME B16.25
 Test : API 598/ISO 5208



Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A217 - WC9, C5, C12 or Equivalent
	Inconel 625, 825 or Equivalent
	Hastelloy C Monel or Equivalent
Bronze	ASTM B148 - C95800
	ASTM B62, B61 or Equivalent
Ductile iron	ASTM A395 65-45-15
	ASTM A395 60-40-18

Check Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 2500

Service Temperature : Up to +500°C

Available Size : NPS 2" to 64" (DN50 to DN1600)

Standard Features

Full port design

BC (Bolted Cover)

PSC (Pressure Seal Cover)

Swing, Tilting, Piston type

Horizontal or Vertical(upward flow) installation

Flanged or Butt-Welding ends

Fire safe design

Optional Features

MESC-T.A.T

UL/FM

CE 2014/68/EU(PED)

Design Standards

Design Code : ASME B16.34/API 594/API 6D/BS 1868

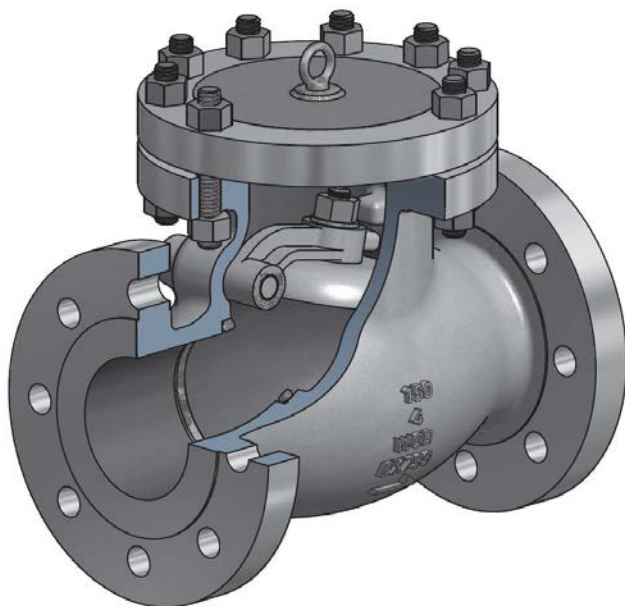
Face to Face : ASME B16.10

End Flange : ASME B16.5 & ASME B16.47

BW End : ASME B16.25

NPT : ASME B1.20.1

Test : API 598/ISO 5208



Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Special alloy steel	Inconel 625, 825 or Equivalent Hastelloy C Monel or Equivalent
Bronze	ASTM B148 - C95800 ASTM B62, B61 or Equivalent
Ductile iron	ASTM A395 65-45-15 ASTM A395 60-40-18

Dual Plate Check Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 2500

Service Temperature : Up to +500°C

Available Size : NPS 2" to 64" (DN50 to DN1600)

Standard Features

Wafer, Lug, Double flanged, Butt-Welded, Hub end type

Metal or Soft seat

Retainerless design

Quick acting spring

Horizontal or Vertical(upward flow) installation

Fire safe design

Optional Features

MESC-T.A.T

UL/FM

CE 2014/68/EU(PED)

Design Standards

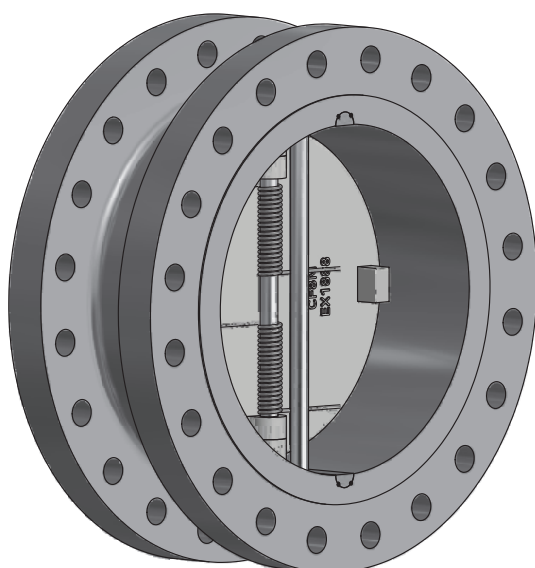
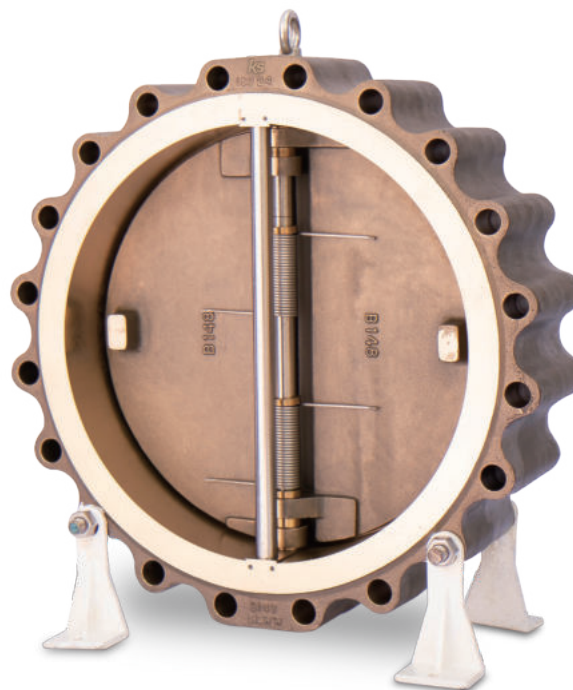
Design Code : ASME B16.34/API 594/API 6D

Face to Face : API 594/API 6D

End Flange : ASME B16.5 & ASME B16.47

BW End : ASME B16.25

Test : API 598/ISO 5208



Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A217 - WC9, C5, C12 or Equivalent
Special alloy steel	Inconel 625, 825 or Equivalent Hastelloy C Monel or Equivalent
Bronze	ASTM B148 - C95800 ASTM B62 , B61 or Equivalent
Ductile iron	ASTM A395 65-45-15 ASTM A395 60-40-18

Floating Ball Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 1500

Service Temperature : Up to +500°C

Available Size : NPS 1/2" to 10" (DN15 to DN250)

Standard Features

Full port or Reduce port design

Two piece split body

Seat : PTFE, RPTFE, PEEK, DEVLON V

Self-Relief seat

Anti blow-out proof stem

Anti-satic device

ISO 5211 Mounting flange

Fire safe design

Optional Features

MESC-T.A.T

UL/FM

CE 2014/68/EU(PED)

Locking device

Special packing option

Low emission control

Bonnet extension stem

High temperature service (Metal seat)

Design Standards

Design Code : ASME B16.34/BS 5351/API 6D/
ISO 14313/ISO 17292/MSS-SP-110

Face to Face : ASME B16.10

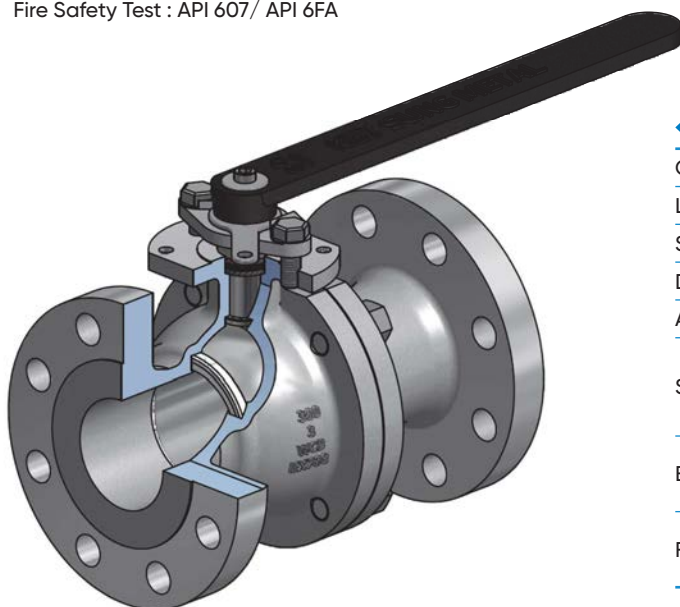
End Flange : ASME B16.5

BW End : ASME B16.25

NPT : ASME B1.20.1

Test : API 598/BS EN 12266/API 6D/ISO 5208

Fire Safety Test : API 607/ API 6FA



Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A217 - WC9, C5, C12 or Equivalent
Special alloy steel	Inconel 625, 825 or Equivalent Hastelloy C Monel or Equivalent
Bronze	ASTM B148 - C95800 ASTM B62, B61 or Equivalent
Forged Steel	ASTM A105N or Equivalent ASTM A182 Grade Etc or Equivalent

Trunnion Mounted Ball Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 2500
 Service Temperature : Up to +500°C
 Available Size : NPS 1-1/2" to 48" (DN40 to DN1200)

Standard Features

Full port or Reduce port design
 Two piece or Three piece body
 Seat : PTFE, RPTFE, PEEK, DEVLON V
 Secondary fire safe metal to metal seat
 DBB(Double Block and Bleed)
 Single/Double piston seat
 Leakage rate Class V
 Anti blow-out proof stem
 Anti-static device
 ISO 5211 Mounting flange
 Fire safe design

Optional Features

MESC-T.A.T
 UL/FM
 CE 2014/68/EU(PED)
 Locking device
 Special packing option
 Low emission control
 Bonnet extension stem
 High temperature service (Metal seat)
 Emergency sealant injection

Design Standards

Design Code : ASME B16.34/API 6D/ISO 14313
 Face to Face : ASME B16.10
 End Flange : ASME B16.5 & ASME B16.47
 BW End : ASME B16.25
 Test : API 598/BS EN 12266/API 6D/ISO 5208
 Fire Safety Test : API 607/ API 6FA



Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A217 - WC9, C5, C12 or Equivalent
Special alloy steel	Inconel 625, 825 or Equivalent Hastelloy C Monel or Equivalent
Bronze	ASTM B148 - C95800 ASTM B62 , B61 or Equivalent
Forged Steel	ASTM A105N or Equivalent ASTM A182 Grade Etc or Equivalent

Top Entry Ball Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 2500

Service Temperature : Up to +500°C

Available Size : NPS 1/2" to 10" (DN15 to DN250)

Standard Features

Full port or Reduce port design

Floating or Trunnion Mounted Ball

Seat : PTFE, RPTFE, PEEK, DEVLON V

DBB(Double Block and Bleed)

Cavity pressure self-relief

Single/Double Piston seat

Anti blow-out proof stem

Anti-static device

ISO 5211 Mounting flange

Fire safe design

Optional Features

Locking device

Special packing option

Low emission control

Bonnet extension stem

High temperature service (Metal seat)

Emergency sealant injection

Design Standards

Design Code : ASME B16.34/ API 6D/ ISO 14313/ ISO 17292

Face to Face : Manufacture Standard

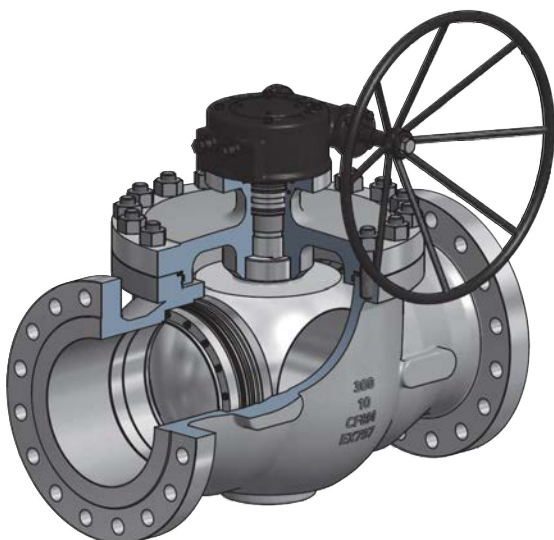
End Flange : ASME B16.5

BW End : ASME B16.25

NPT : ASME B1.20.1

Test : API 598/ BS EN 12266/ API 6D

Fire Safety Test : API 607/ API 6FA



Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A217 - WC9, C5, C12 or Equivalent
Special alloy steel	Inconel 625, 825 or Equivalent
	Hastelloy C
	Monel or Equivalent
Bronze	ASTM B148 - C95800
	ASTM B62 , B61 or Equivalent

Double Block & Bleed Ball Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 2500
 Service Temperature : Up to +500°C
 Available Size : NPS 1/2" to 12" (DN15 to DN300)

Standard Features

Full port or Reduce port design
 Three piece split body
 Trunnion Mounted Ball
 Seat : PTFE, RPTFE, PEEK, DEVLON V
 Anti blow-out proof stem
 Anti-static device
 ISO 5211 Mounting flange
 Fire safe design

Optional Features

Locking device
 Special packing option
 Low emission control
 Bonnet extension stem
 High temperature service (Metal seat)
 Emergency sealant injection

Design Standards

Design Code : ASME B16.34/API 6D/ISO 14313/ISO 17292
 Face to Face : Manufacture Standard
 End Flange : ASME B16.5
 BW End : ASME B16.25
 Test : API 598/BS EN 12266/API 6D
 Fire Safety Test : API 607/ API 6FA

Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Bronze	ASTM B148 - C95800
Forged Steel	ASTM A105N or Equivalent ASTM A182 Grade Etc or Equivalent



Three-Way Ball Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 600

Service Temperature : Up to +500°C

Available Size : NPS 1/2" to 8" (DN15 to DN200)

Standard Features

Full port or Reduce port design

Two piece split body

Floating or Trunnion Mounted Ball

Seat: PTFE, RPTFE, PEEK, DEVLON V

L-Port or T-Port

Anti blow-out proof stem

Anti-static device

ISO 5211 Mounting flange

Fire safe design

Optional Features

Locking device

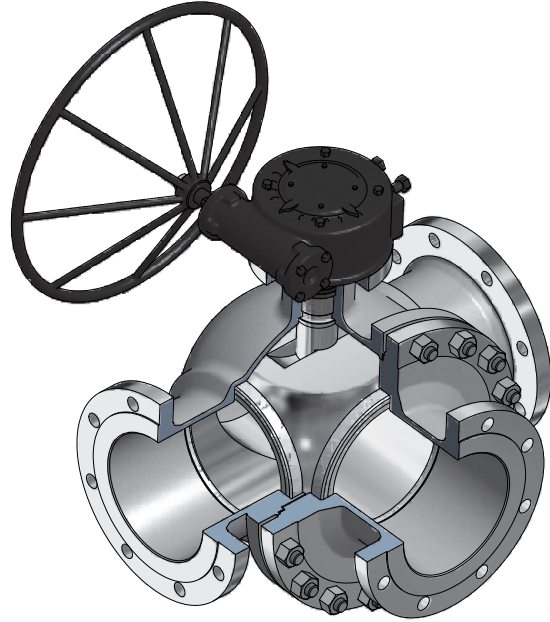
Special packing option

Low emission control

Bonnet extension stem

High temperature service (Metal seat)

Emergency sealant injection



Design Standards

Design Code : ASME B16.34/API 6D/ISO 14313/ISO 17292

Face to Face : Manufacture Standard

End Flange : ASME B16.5

BW End : ASME B16.25

Test : API 598/BS EN 12266/API 6D

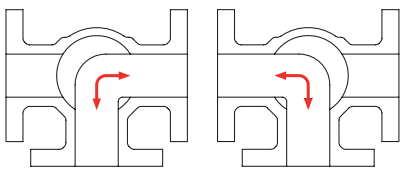
Fire Safety Test : API 607/ API 6FA

Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Bronze	ASTM B148 - C95800
Forged Steel	ASTM A105N or Equivalent ASTM A182 Grade Etc or Equivalent

Service Conditions of Three-Way Ball Valves

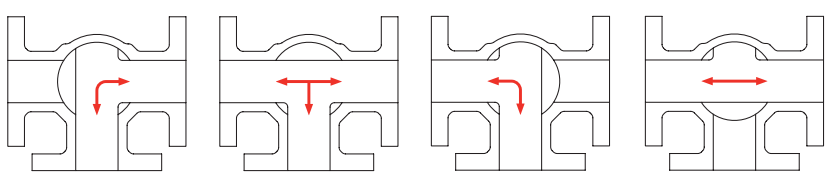
- L-PORT



L-01

L-02

- T-PORT



T-01

T-02

T-03

T-04

Butterfly Valves

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 600
 Service Temperature : Up to +500°C
 Available Size : NPS 2" to 100" (DN50 to DN2500)

Standard Features

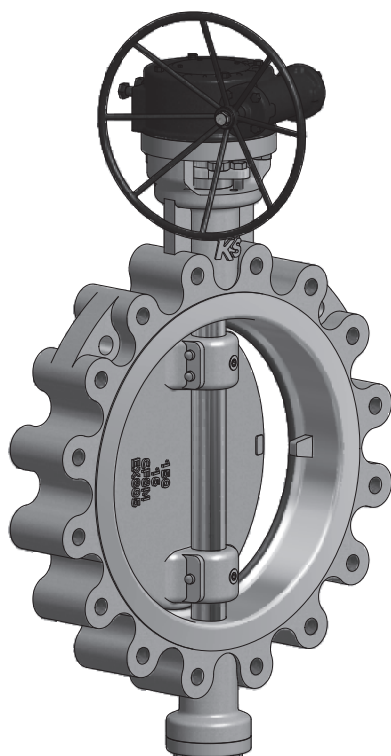
Concentric
 Double eccentric
 Triple eccentric
 Zero leakage
 Wafer, Semi-lug, Lug and Double flanged
 Fire safe design

Optional Features

MESC-TAT
 UL/FM
 Locking device
 Special packing option
 Low emission control
 Stem extension
 High performance selection

Design Standards

Design Code : ASME B16.34/API 609
 Face to Face : API 609
 End Flange : ASME B16.5 & ASME B16.47
 BW End : ASME B16.25
 Test : API 598/ISO 5208



Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A217 - WC9, C5, C12 or Equivalent
Special alloy steel	Inconel 625, 825 or Equivalent Hastelloy C Monel or Equivalent
Bronze	ASTM B148 - C95800 ASTM B62 , B61 or Equivalent

UL Listed Valves

Gate Valves

UL Standard : UL 262
 UL Rated Pressure : Up to 300psig
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 1/2" to 30" (DN15 to DN750)
 Design : UB-OS&Y-NPT/FLG
 BB-OS&Y-FLG

Globe Valves

UL Standard : UL 258
 UL Rated Pressure : Up to 300psig
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 2" (DN50)
 Design : BB-OS&Y-FLG

Check Valves

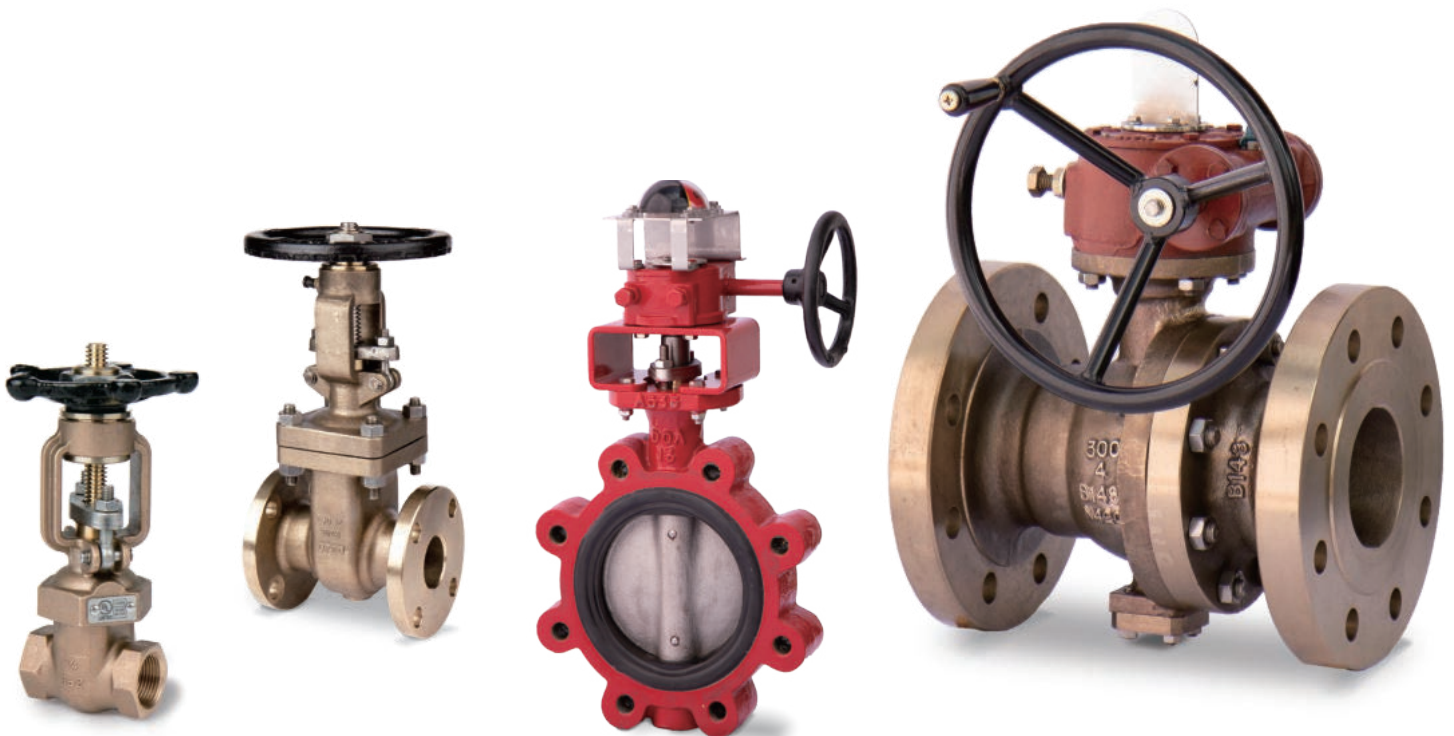
UL Standard : UL 312
 UL Rated Pressure : Up to 300psig
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 2" to 24" (DN50 to DN600)
 Design : BC-FLG
 Lug Double flanged

Ball Valves

UL Standard : UL 1091B
 UL Rated Pressure : Up to 300psig
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 2" to 24" (DN50 to DN600)
 Design : Floating-NPT/FLG
 Trunnion Mounted-FLG

Butterfly Valves

UL Standard : UL 1091
 UL Rated Pressure : Up to 300psig
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 2" to 30" (DN50 to DN750)
 Design : Concentric (Wafer/Semi-lug/Lug/Flange)
 Double offset (High performance)



UL Listed Valves

Post Indicator Valves

UL Standard : UL 262/UL 789/AWWA

UL Rated Pressure : Up to 300psig

Pressure Rating : ASME CLASS 150 to CLASS 300

Available Size : NPS 2" to 30" (DN50 to DN750)

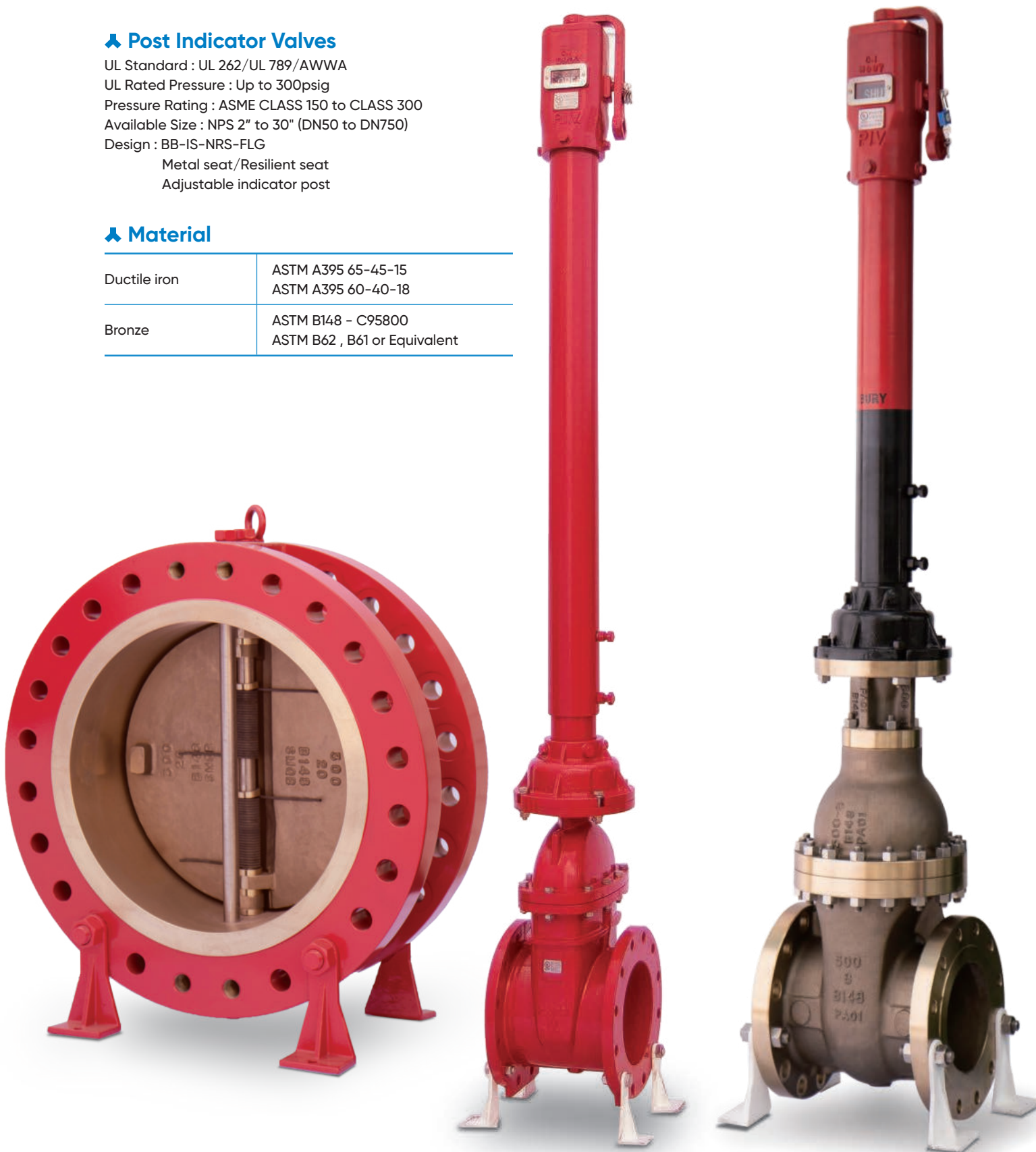
Design : BB-IS-NRS-FLG

Metal seat/Resilient seat

Adjustable indicator post

Material

Ductile iron	ASTM A395 65-45-15 ASTM A395 60-40-18
Bronze	ASTM B148 - C95800 ASTM B62 , B61 or Equivalent



Bronze Valves

Gate Valves

Design Standard : MSS SP-80/BS 5154/BS EN 12288/API 600
 Service Temperature : -29°C to +200°C
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 1/2" to 30" (DN15 to DN750)
 Design : UB-ISRS-NPT/FLG, UB-OS&Y-NPT/FLG, BB-OS&Y-FLG

Check Valves

Design Standard : MSS SP-80/BS 5154/BS 1868/API 6D/API 594
 Service Temperature : -29°C to +200°C
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 1/2" to 30" (DN15 to DN750)
 Design : SC (Y pattern)-NPT, UC-NPT/FLG, BC-FLG
 Wafer/Lug/Double flanged

Globe Valves

Design Standard : MSS SP-80/BS 5154/BS 1873/API 623
 Service Temperature : -29°C to +200°C
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 1/2" to 24" (DN15 to DN600)
 Design : UB-ISRS-NPT/FLG, BB-OS&Y-FLG



Bronze Valves

Ball Valves

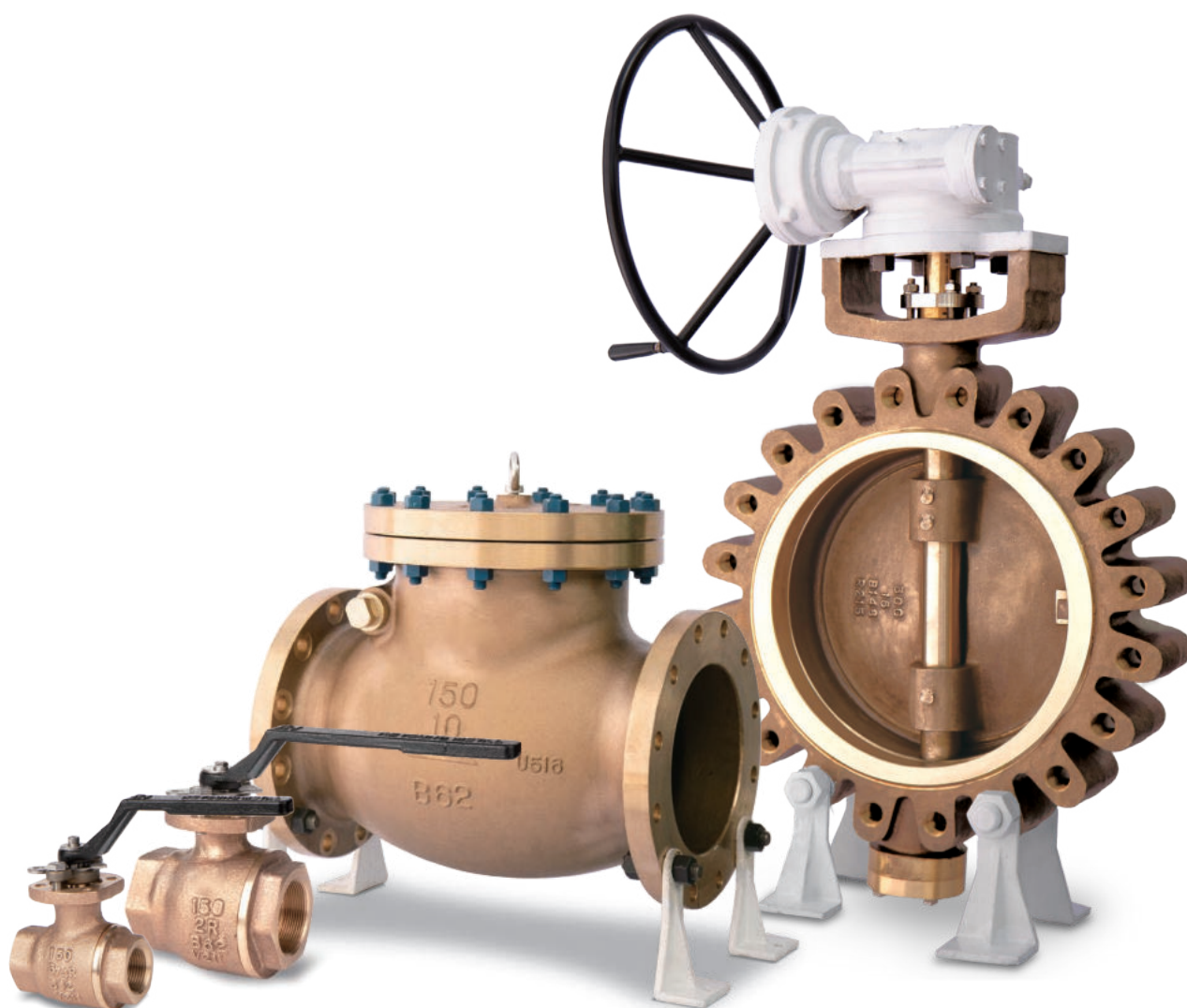
Design Standard : API 6D/ISO 14313/ISO 17292 etc.
 Service Temperature : -29°C to +200°C
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 1/2" to 24" (DN15 to DN600)
 Design : Floating-NPT/FLG, Trunnion Mounted-FLG

Butterfly Valves

Design Standard : ASME B16.34/ API 609
 Service Temperature : -29°C to +200°C
 Pressure Rating : ASME CLASS 150 to CLASS 300
 Available Size : NPS 2" to 30" (DN50 to DN750)
 Design : Concentric (Wafer/Semi-lug/Lug/Flange)
 Double offset (High performance)

Material

Bronze	ASTM B148 - C95800
	ASTM B62 , B61 or Equivalent



Cryogenic Valves

Cryogenic Valves are used in storage and transport of liquefied gases such as LNG, LN2 and Oxygen in the piping systems.

⚡ Cryogenic Test

Attach closed flange to both flanges of the valve, and connect thermocouple.

Fill the test valve up to the top of its bonnet joint flange with coolant medium.

Keep the valve in the liquefied nitrogen container at least 1 hour until the temperature of the valve body and bonnet are stabilized.

Perform the test of opening/closing a valve.

Completely close the valve and maintain it with test pressure by adjusting the gas regulator.

Maintain the pressurized state for 5 minutes and measure leakage with a measuring cylinder and record the result.

⚡ Ambient Temperature Restoration Test

Valve leakage shall be checked by the same method of the initial proving test.

The maximum allowable leakage for each valve size shall conform to API 598, Table 6.



- Cryogenic test(-196℃)



- Ambient temperature test



- Helium detector test



- Gasket leakage test

Cryogenic Valves

Production Range

Available Products : Gate, Globe, Check, Ball valves
 Pressure Rating : ASME CLASS 150 to CLASS 2500
 Service Temperature : Down to -196°C
 Available Size : NPS 2" to 30" (DN50 to DN750)

Material

Stainless Steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex Stainless Steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent

Standard Features

Long extended bonnet
 Low fugitive emission packing
 Fire safe design

Optional Features

Locking device
 Special packing option

Design Standards

Design Code : BS 6364/MSS SP-134
 Face to Face : ASME B16.10
 End Flange : ASME B16.5 & ASME B16.47
 BW End : ASME B16.25
 Test : API 598/ISO 5208



Expanding Gate Valves

This type of valve is suitable for on shore and off shore applications where suspended and abrasive solids are present in the fluid or for oil and gas transportation and isolation service.

Expanding Gate Valve are full opening valves with rising stem and Parallel Expanding Gate and segment for tight mechanical seal and positive shut-off, both upstream and downstream and under both low and high differential pressure.

The Double Block and Bleed design offers a proper seal in between both seats and the gate in high and low pressure, for this reason, line pressure is not needed to seal the valve.

↗ Cryogenic Test

Pressure Rating : ASME CLASS 150 to CLASS 1500

Service Temperature : Up to +500°C

Available Size : NPS 2" to 36" (DN50 to DN900)

↗ Standard Features

Full port design

OS & Y (Outside Screw and Yoke)

BB (Bolted Bonnet)

Rising stem and non-rising handwheel

Expanding gate design

Secondary sealant injection at seats and stem

DBB(Double Block and Bleed)

Cavity relief system

Flanged or Butt-Welding ends

Fire safe design

↗ Optional Features

MESC-TAT

Locking device

Special packing option

Low emission control

Bonnet extension stem

↗ Design Standards

Design Code : API 6D

Face to Face : ASME B16.10

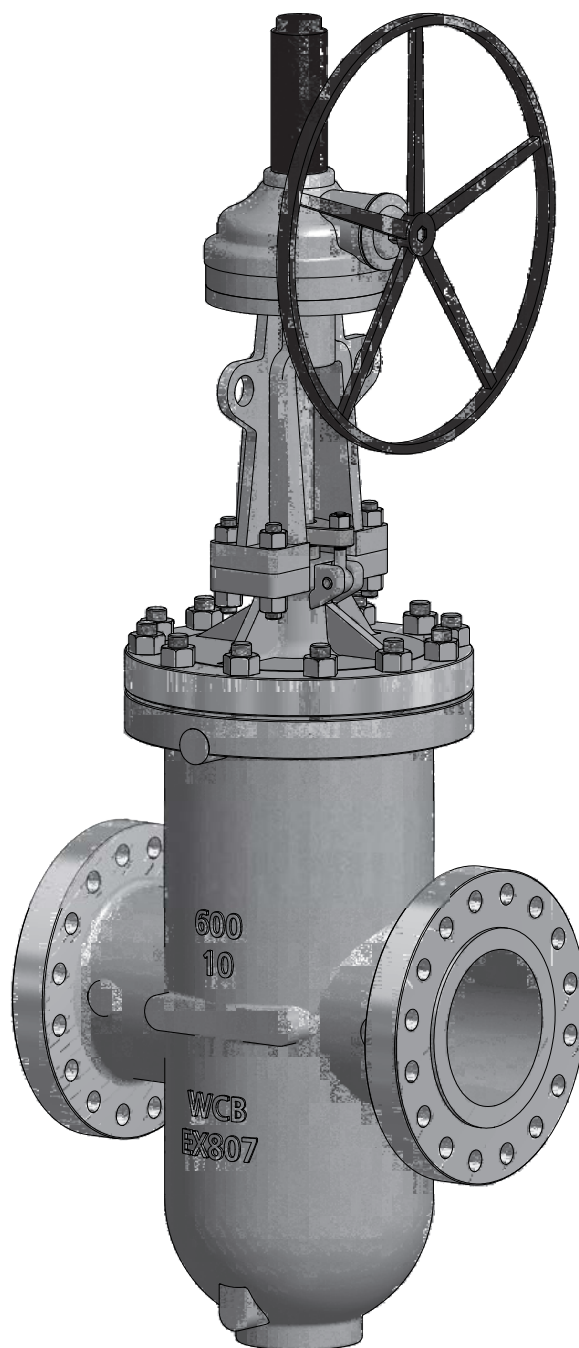
End Flange : ASME B16.5 & ASME B16.47

BW End : ASME B16.25

Test : API 6D

↗ Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM B148 - C95800
Special alloy steel	Inconel 625, 825 or Equivalent Hastelloy C Monel or Equivalent



Bellows Sealed Valves

Bellows Seal Valves provide the highest fugitive emission protection for use non-chemical processing. This design features a full safety sealing system enabled by multiple bellows.

Production Range

Pressure Rating : ASME CLASS 150 to CLASS 600
Service Temperature : Up to +500°C
Available Size : NPS 2" to 24" (DN50 to DN600)

Standard Features

Long life cycle multi-ply bellows
Bellows are available in Stainless steel, Inconel, Hastelloy-C and Monel.
Two secondary stem seals
Superior seat surfaces

Optional Features

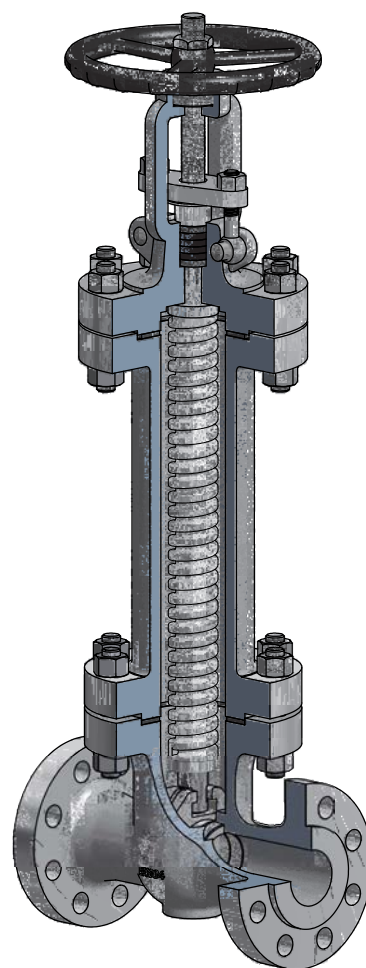
Locking device
Special packing option
Low emission control
Bonnet extension stem

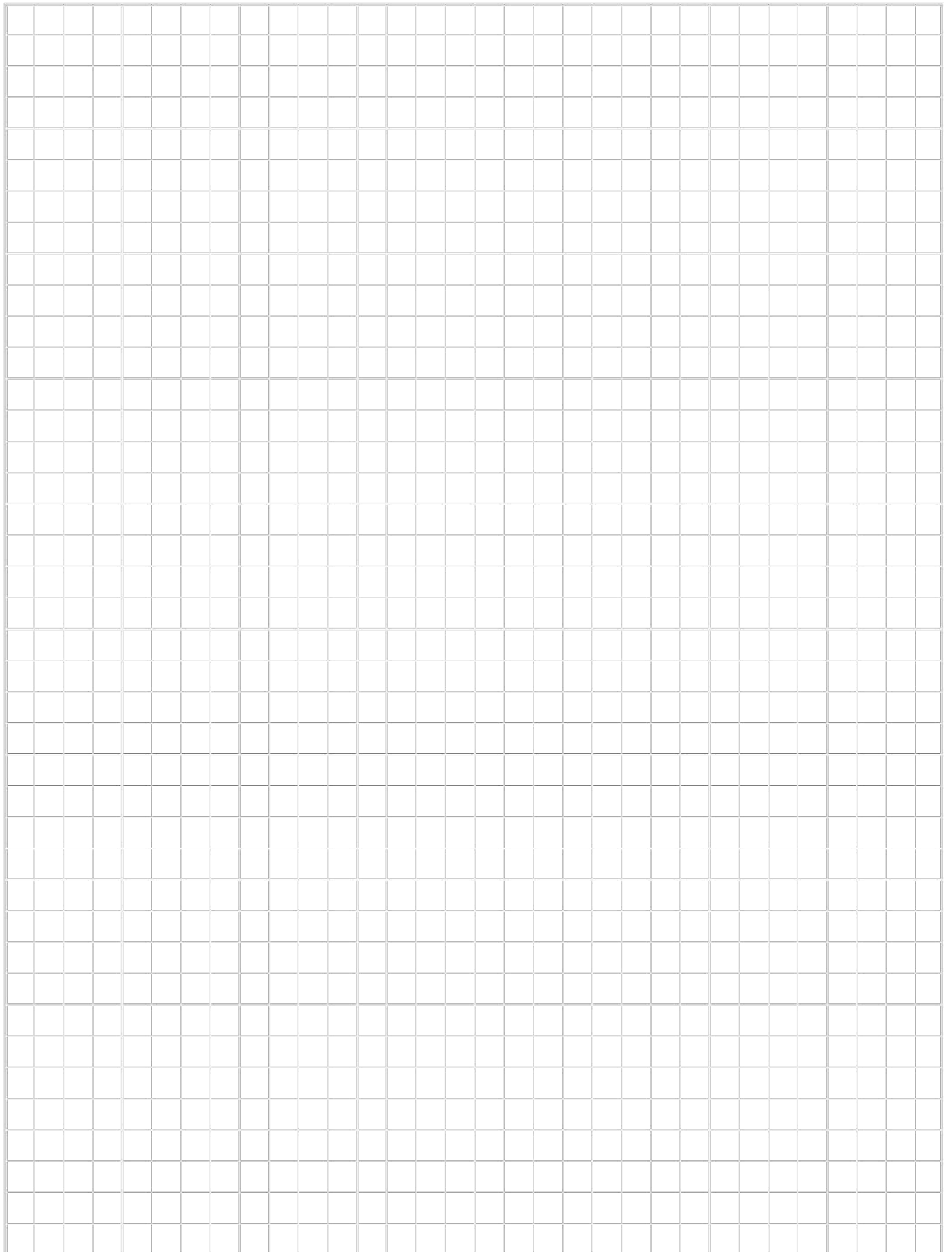
Design Standards

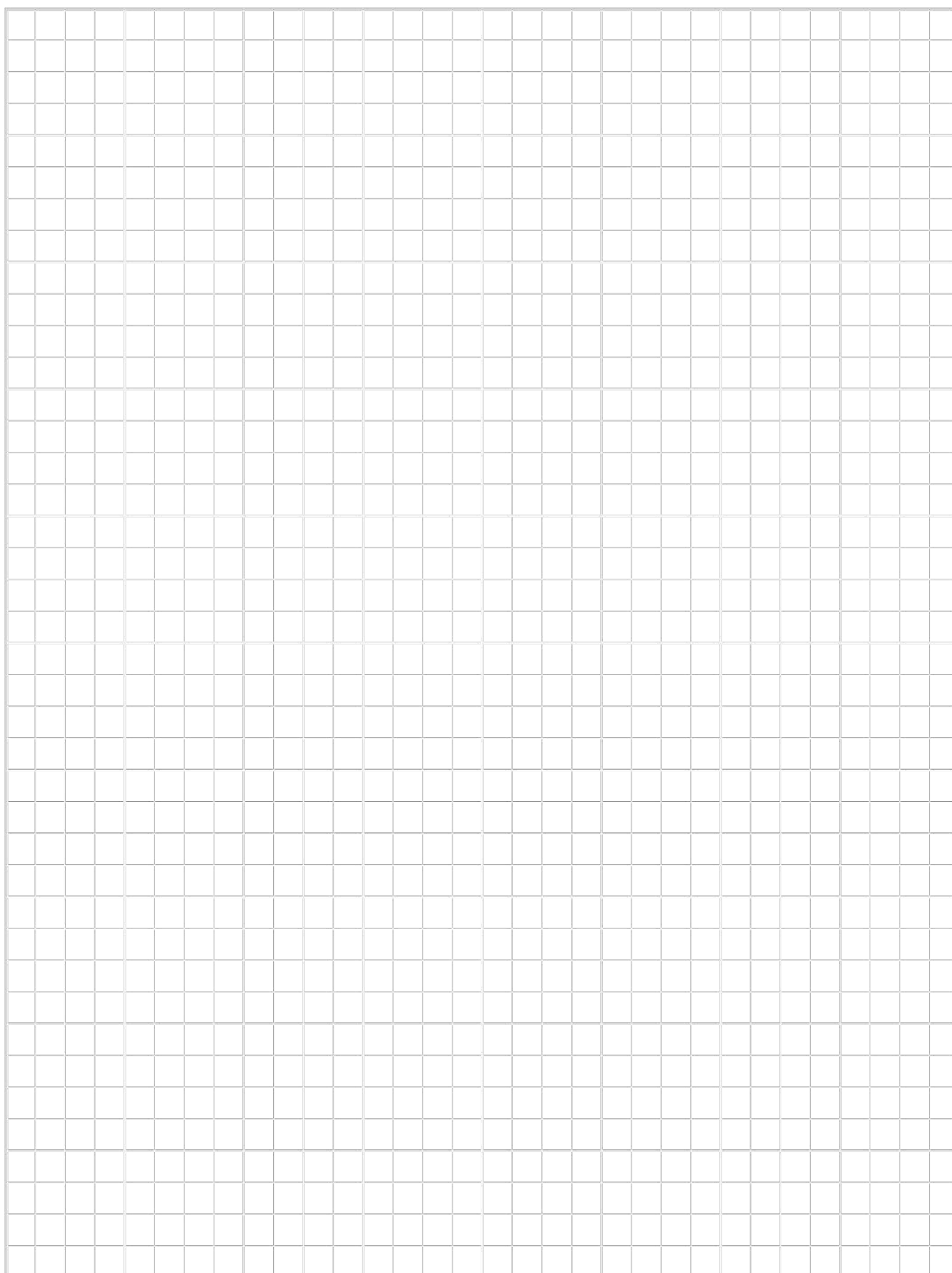
Design Code : ASME B16.34/MSS SP-117
Face to Face : ASME B16.10
End Flange : ASME B16.5 & ASME B16.47
BW End : ASME B16.25
Test : API 598/ISO 5208

Material

Carbon steel	ASTM A216 - WCB or Equivalent
Low temp. Carbon steel	ASTM A352 - LCC, LCB or Equivalent
Stainless steel	ASTM A351 - CF8, CF8M, CF3 or Equivalent
Duplex stainless steel	ASTM A995 - 1A, 2A, 4A, 5A or Equivalent
Alloy steel	ASTM A217 - WC9, C5, C12 or Equivalent
Special alloy steel	Inconel 625, 825 or Equivalent
	Hastelloy C
	Monel or Equivalent









Product Service Qualified Certificate

ISO 9001:2015

ISO 14001:2015

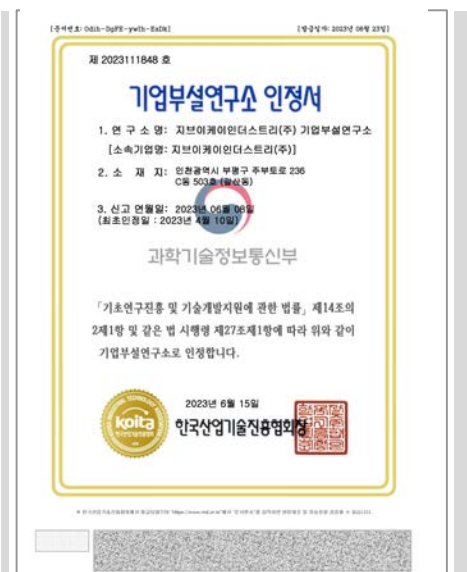
ISO 45001:2018



CE: Globe Control Valve

CE : Ball Valve

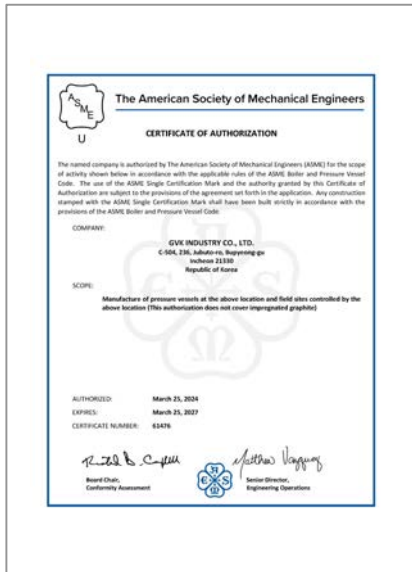
Research Institute



ASME U, PP Stemp

EAC : RUSSIA TRCU

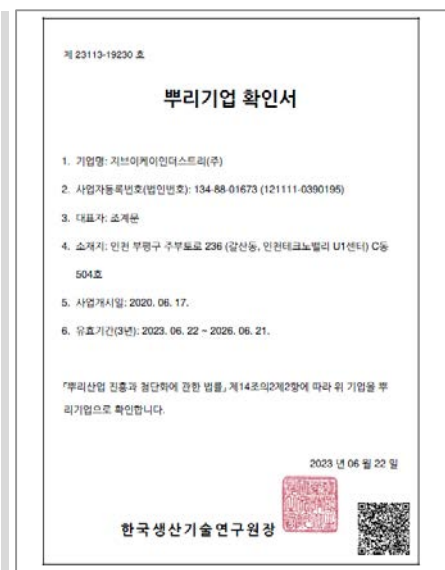
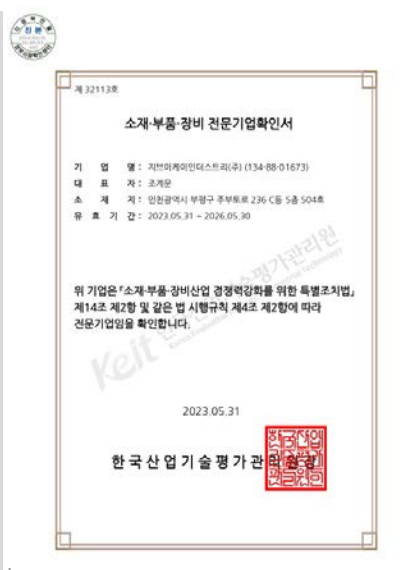
API 6D / 600 By KSM



Venture company

Material · Part · Equipment

Rooting Enterprise





GVK(KSM) PIPELINE ANCILLARIES

Total Engineering Solution Service

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