BIMEX

Series BX5000 Fire Protection Hydrant and Valve

Product Variant No. BX5000
Model No. B701

FIRE HYDRANT Dry Barrel

APPLICATION

BIMEX dry barrel fire hydrant meets or exceeding the requirements of AWWA C502, and FM1510/UL246 and it is UL listed and FM approved.
Our hydrants are engineered for reliability and performance, ensuring optimal functionality in critical fire protection systems. The approval attests to the superior quality and safety of our hydrants, reinforcing our commitment to excellence.

DESIGN FEATURES

- Dry barrel type
- Secured by the stainless steel safety stem coupling, and hydrant prevent traffic damage by pulling out if hit by a vehicle preventing damage to the main valve and stem
- Dual bronze drain ways
- Efficient hydraulic design provides optimum performance and maximum flow
- Threaded and field replaceable hose nozzles and pumper outlet
- Ease of operation by anti-friction washer and forced lubrication
- Easily removable main valve from either the bonnet or grounded line flange
- 360° nozzle section rotation
- Field replaceable nozzles secured with external stainless steel lock screw
- Mechanical joint is available upon request

TECHNICAL CHARACTERISTICS

- Design in accordance to ANSI / AWWA C502, FM1510 and UL246
- Working pressure 250 psi and testing pressure 400 psi as per UL-EX15971
- Working pressure 250 psi and testing pressure 500 psi as per FM1510
- Outlets: 2 x 2 1/2" hose nozzles, and 1 x 4" or 4 1/2" or 5" pumper nozzle
- Inlet: 4" or 6" Flanged or Mechanical Joint
- Nozzle thread standard: NFPA1963
- Flanged Joint standard: ANSI B16.1 Class125/ ANSI B16.5 Class150/ EN 1092-2 PN16
- Mechanical joint standard: ANSI / AWWA C111 / A21.11 / AWWA C153 / A21.53
- Working Temperature: 0.5° - +95 °C
- Opening Direction: Counterclockwise
- Color: RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: All hydrants are tested hydrostatically at BIMEX
- Material and test certificates can be provided.
- Standard buried depth: 1061 mm (others available upon request, 1215; 1368; 1520; 1673; 1825; 1978; 2130 mm)

FM APPROVED

UL

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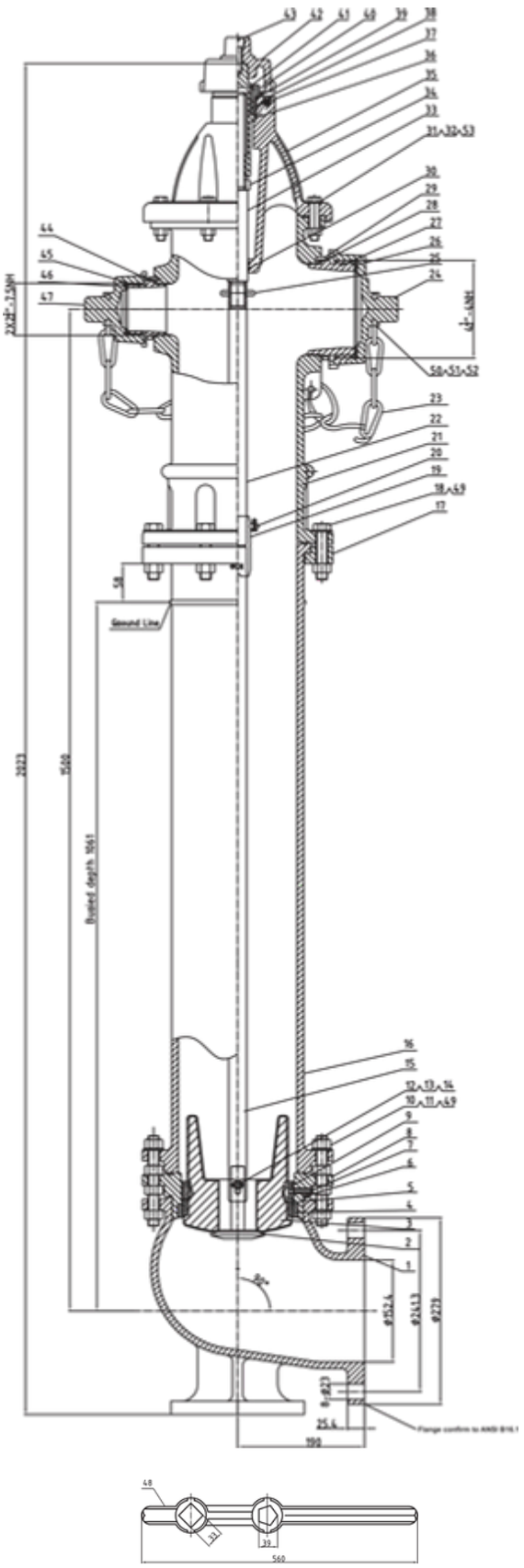
Product Variant No. BX5000
Model No. B701

DIMENSIONAL DRAWINGS



MATERIALS

No	Description	Material
1	Hydrant Body	ASTM A536 65-45-12
2	Drain stem	SS304
3	Wedge	ASTM A536- 45 -12 +ASTM D2000
4	Seal-ring	ASTM B584
5	Hydrant Seat	ASTM B584
6	O-Ring	ASTM D2000
7	Screwed Plug	ASTM B584
8	Main Valve Flange	ASTM A536 65- 45 -12
9	O-Ring	ASTM D2000
10	Stud Bolts	ASTM A307
11	Nuts	ASTM A307
12	Pin Axes	SS304
13	Pin	SS304
14	Washer	SS304
15	Lower Stem	ASTM A29M 1020
16	Barrel	ASTM A536 65 45-12
17	Breakable Flange	ASTM A126-B
18	Bolts	ASTM A307
19	Coupling	ASTM A536 65-45-12
20	Pin Axes	SS304
21	Drainpipe	ASTM A536 65-45-12
22	Up stem	ASTM A29M 1020
23	Link	STEEL Zinc Plated
24	Big Nozzle Cap	ASTM A536 65-45-12
25	Pin Axes	SS304
26	Big Sealed Gasket	ASTM D2000
27	Big Outlet	ASTM B584
28	O-Ring	ASTM D2000
29	Pin	SS304
30	O-Ring	ASTM D2000
31	Bolts	ASTM A307
32	Nuts	ASTM A307
33	Stem	SS304 / SS316 / SS316L
34	Stop Nut	ASTM A29M 1045
35	Hydrant Bonnet	ASTM A536 65-45-12
36	Stem Nuts	ASTM B584
37	O-Ring	ASTM D2000
38	Oil Cup	-
39	O-Ring	ASTM D2000
40	Bush	ASTM B584
41	Dust roof Ring	ASTM D2000
42	Operating Cap	ASTM A535 65-45-12
43	Socket Head Bolt	ASTM A307
44	O-Ring	D2000
45	Small Outlet	ASTM B584
46	Small Sealed Gasket	D2000
47	Small Nozzle Cap	ASTM A536 65-45-12
48	Wrench	ASTM A536 65-45-12
49	Gasket	ASTM A307
50	Screw	SS304
51	Nuts	SS304
52	Gasket	SS304
53	Gasket	ASTM A307

BIMEX FIRE

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

Product Variant No. BX5100

FIRE HYDRANT Dry Barrel

APPLICATION

The standard version of BIMEX dry barrel fire hydrant is engineered for reliability and performance, ensuring optimal functionality in critical fire protection systems. The hydrant represents the break even perfect balance point between performance and cost effectiveness.

DESIGN FEATURES

- Dry barrel type
- Break away design to prevent accidents to the Hydrants, where only the upper part of the flange will be broken upon impact .
- Designed as per AWWA C502, which applies for the wall thickness, loss of head and hose connection plugs.
- Simple rugged construction and easy to maintain.
- Available in 3 outlets version and 2 outlets version.

TECHNICAL CHARACTERISTICS

- Maximum Working Pressure: PN16 / 16 bar
- Flanged Joint standard: EN 1092-2 PN16
- Outlets: 2 x 2 1/2" (65 mm) hose nozzles, and 1 x 100 mm pumper nozzle
- Inlet: 3", 4", or 6" flanged joint
- Working Temperature: 0.5° - +95 °C
- Opening Direction: Counterclockwise
- Color: RAL3000 or RAL3002
- Epoxy powder fusion coating inside and outside at least 300 µm thickness
- Quality control: All hydrants are tested hydrostatically at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1

DIMENSIONS

DN	A	B	C	n-Ød
80	450	450	650	8-Ø19
100	450	450	450	8-Ø19
150	450	450	650	8-Ø23

Other buried lengths are available upon request.

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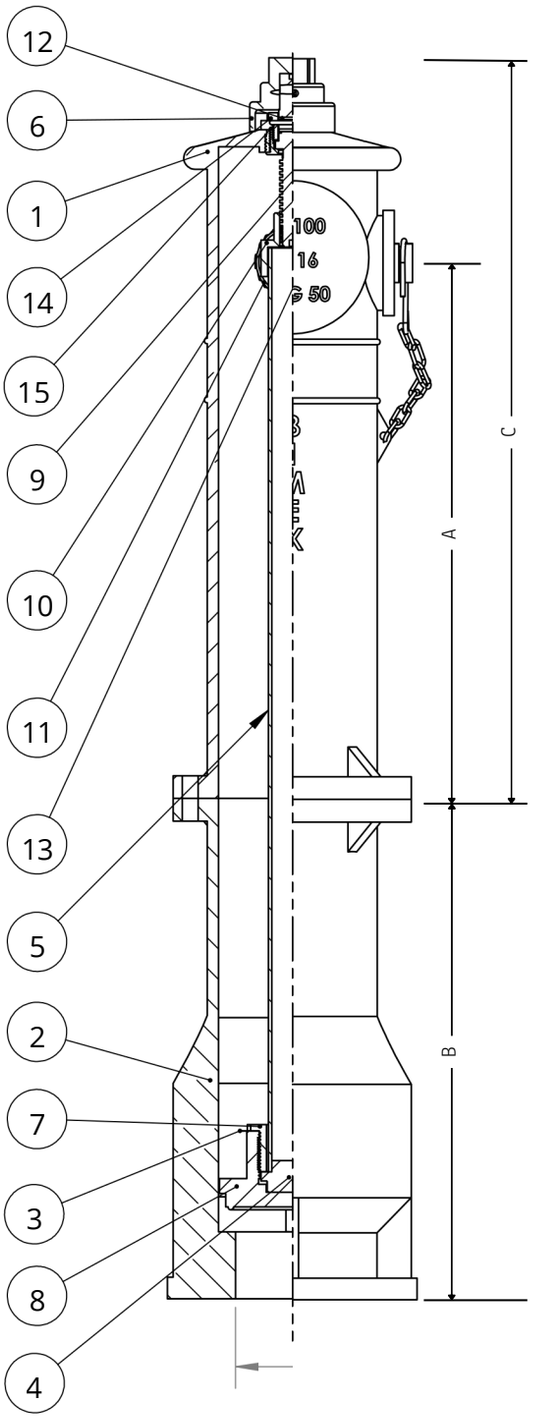
Product Variant No. BX5100

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Hydrant Body	Ductile iron GGG50
2	Lower Body	Ductile iron GGG50
3	Gasket	NBR
4	SQ Nut	Ductile iron GGG50
5	Stem	SS304 / SS316 / SS316L
6	Operating Cap	Ductile iron GGG50
7	Nut	Ductile iron GGG50
8	Wedge	Ductile iron GGG50, EPDM
9	Stem	SS304 / SS316 / SS316L
10	Nuts	Brass
11	Plug	Ductile iron GGG50
12	O-Ring	NBR
13	Screw	Galvanized Zinc Steel ASTM A153/ ASTM B633 SS304 / SS316 / SS316L
14	Nut	Brass
15	Nut	Brass

Product Variant No. BX5101

FIRE HYDRANT Dry Barrel

APPLICATION

The standard version of BIMEX dry barrel fire hydrant is engineered for reliability and performance, ensuring optimal functionality in critical fire protection systems. The hydrant represents the break even perfect balance point between performance and cost effectiveness.

DESIGN FEATURES

- Dry barrel type
- Break away design to prevent accidents to the hydrants, where only the upper part of the flange will be broken upon impact .
- Designed as per AWWA C502, which applies for the wall thickness, loss of head and hose connection plugs.
- Simple rugged construction and easy to maintain.
- Available in 3 outlets version and 2 outlets versions.

TECHNICAL CHARACTERISTICS

- Maximum Working Pressure: PN16 / 16 bar
- Flanged Joint standard: EN 1092-2 PN16
- Outlets: 2 x 2 1/2" (65 mm) hose nozzles
- Inlet: 3", 4", or 6" flanged joint
- Working Temperature: 0.5° - +95 °C
- Opening Direction: Counterclockwise
- Color: RAL3000 or RAL3002
- Epoxy powder fusion coating inside and outside at least 300 µm thickness
- Quality control: All hydrants are tested hydrostatically at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1

DIMENSIONS

DN	A	B	C	n-Ød
80	450	450	650	8-Ø19
100	450	450	450	8-Ø19
150	450	450	650	8-Ø23

Other buried lengths are available upon request.

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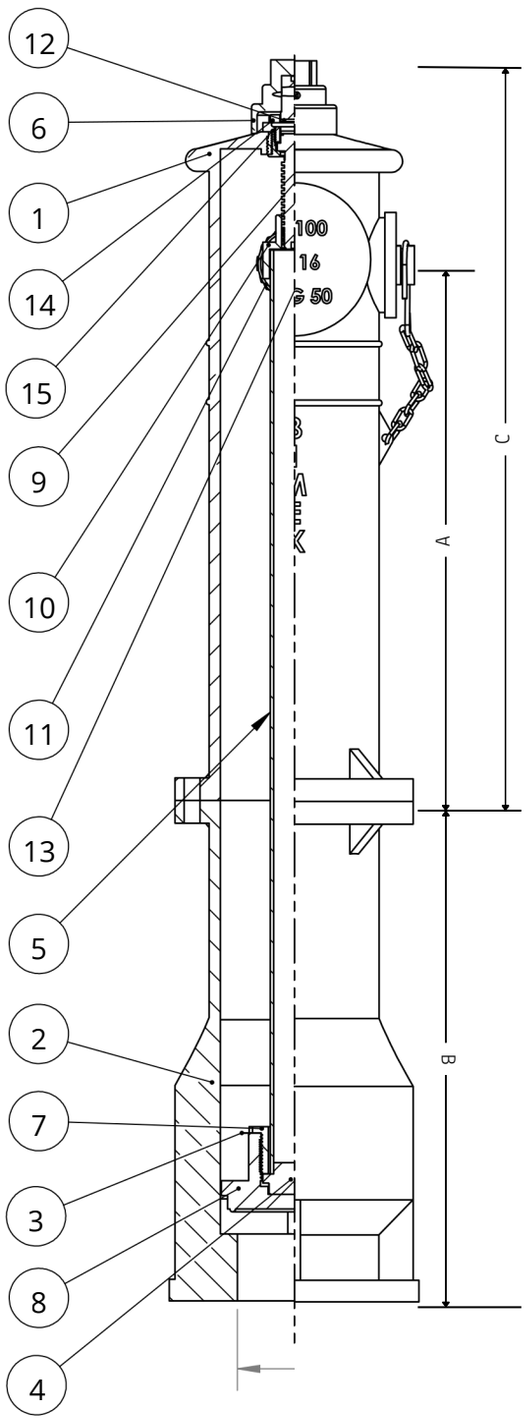
Product Variant No. BX5101

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Hydrant Body	Ductile iron GGG50
2	Lower Body	Ductile iron GGG50
3	Gasket	EPDM
4	SQ Nut	Ductile iron GGG50
5	Stem	SS304 / SS316 / SS316L
6	Operating Cap	Ductile iron GGG50
7	Nut	Ductile iron GGG50
8	Wedge	Ductile iron GGG50, EPDM
9	Stem	SS304 / SS316 / SS316L
10	Nuts	Brass
11	Plug	Ductile iron GGG50
12	O-Ring	EPDM
13	Screw	Galvanized Zinc Steel ASTM A153/ ASTM B633 SS304 / SS316 / SS316L
14	Nut	Brass
15	Nut	Brass

BIMEX FIRE

Product Variant No. BX5103

FIRE HYDRANT Dry Barrel with duckfoot bend

APPLICATION

The standard version of BIMEX dry barrel fire hydrant is engineered for reliability and performance, ensuring optimal functionality in critical fire protection systems. The hydrant represents the break even perfect balance point between performance and cost effectiveness.

DESIGN FEATURES

- Dry barrel type
- Break away design to prevent accidents to the hydrants, where only the upper part of the flange will be broken upon impact .
- Designed as per AWWA C502, which applies for the wall thickness, loss of head and hose connection plugs.
- Simple rugged construction and easy to maintain.
- Available in 3 outlets version and 2 outlets versions.

TECHNICAL CHARACTERISTICS

- Working pressure 250 psi and testing pressure 500 psi
- Flanged Joint standard: EN 1092-2 PN16
- Outlets: 2 x 2 1/2" (65 mm) hose nozzles, and 1 x 4" (100 mm) pumper nozzle
- Each nozzle equipped with a plug that has a holding metal chain
- Inlet: 6" (150 mm) flanged joint
- Blots, screw, and nuts are according to ASTM A307
- Working Temperature: 0.5° - +95 °C
- Opening Direction: Counterclockwise
- Color: RAL3000 or RAL3002
- Epoxy powder fusion coating inside and outside at least 300 µm thickness
- Quality control: All hydrants are tested hydrostatically at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1
- Other buried lengths are available upon request.

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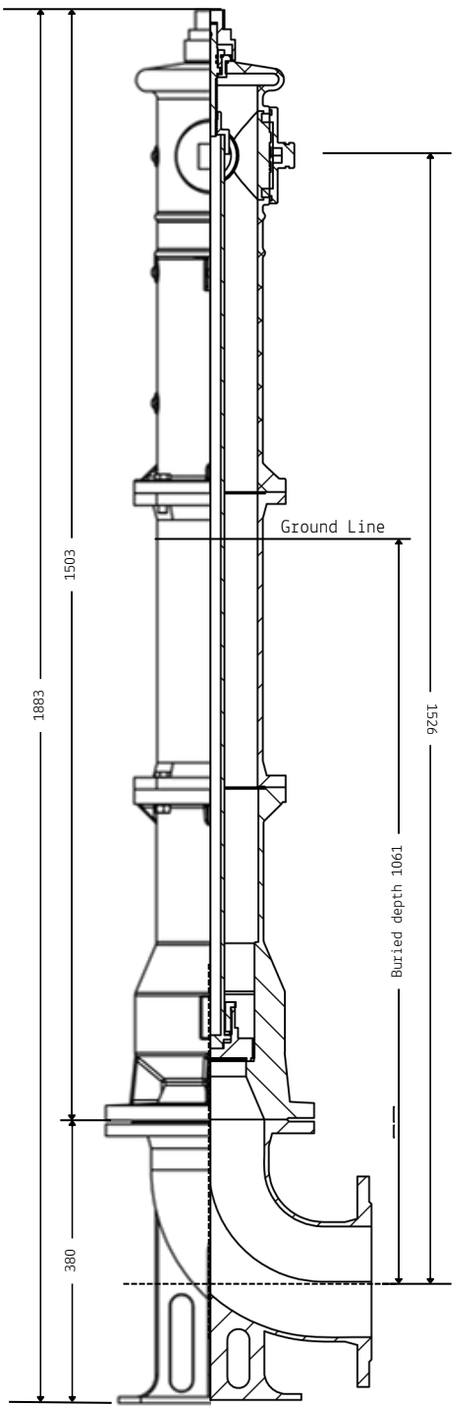
Product Variant No. BX5103

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Hydrant Body	Ductile iron GGG50
2	Lower Body	Ductile iron GGG50
3	Gasket	EPDM
4	SQ Nut	Ductile iron GGG50
5	Stem	SS304 / SS316 / SS316L
6	Operating Cap	Ductile iron GGG50
7	Nut	Ductile iron GGG50
8	Wedge	Ductile iron GGG50, EPDM
9	Plug	Ductile iron GGG50
10	O-Ring	EPDM
11	Screw	Galvanized Zinc Steel ASTM A153/ ASTM B633 SS304 / SS316 / SS316L
12	Duck foot Bend	Ductile iron GGG50

PROJECT

Sea Water Firefighting Network for Shuaiba Industrial Area

BIMEX proudly delivered fire hydrants, gate valves, butterfly valves, air release valves and surge vessels, for the Sea Water Firefighting Network at the strategic Shuaiba Industrial Area — one of Kuwait's most vital industrial zones. This prestigious project, for the Public Authority for Industry, highlights BIMEX's milestone in Kuwait market and its role in safeguarding critical infrastructure worldwide.

Find out more

www.BIMEXindustry.com/Projects

LOCATION:
Shuaiba Industrial, Kuwait

CLIENT:
Public Authority for Industry, Kuwait Gov.

CONTRACTOR:
KCC Engineering & Contracting Company K.S.C.C.

PRODUCTS:
UL-FM Fire Hydrants, UL-FM Gate Valves, Butterfly Valves, Air Release Valves, and Two Surge Protection Vessels.

الهيئة العامة للصناعة
PUBLIC AUTHORITY FOR INDUSTRY

Product Variant No. BX5200

FIRE HYDRANT Underground Type

APPLICATION

Underground fire hydrant is installed in an underground chamber with its outlet located under ground level, and is to supply water to firefighting equipment. It consists of one stem cap for engaging operating key.

DESIGN FEATURES

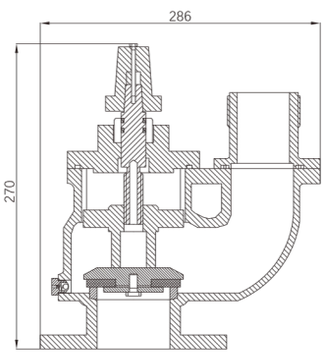
- Fixed, integral wedge nut
- Fully vulcanized wedge
- Fully maintainable
- Stainless steel stem with wedge stop
- Triple safety stem sealing
- All internal parts are made of corrosion-resistant material
- Operation takes place via valve key on square cap
- All internal parts can be removed without excavating the hydrant

According to British Standard

TECHNICAL CHARACTERISTICS

- Design in accordance of EN 1074-6, EN 14339, and BS750
- Flanged Joint standard: EN 1092-2 PN16
- Maximum Working Pressure PN16 / 16 bar
- Outlets: 1 x Bayonet coupling, 3" or 4" Stortz coupling or NOR coupling or round thread connection BSRT 2½"
- Inlet: DN80 Flanged Joint
- Working Temperature: 0.5° - +95 °C
- Opening Direction: Counterclockwise
- Color: RAL5015
- Epoxy powder fusion coating inside and outside at least 300 µm thickness
- Quality control: All valves are tested hydrostatically at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1

DIMENSIONAL DRAWING

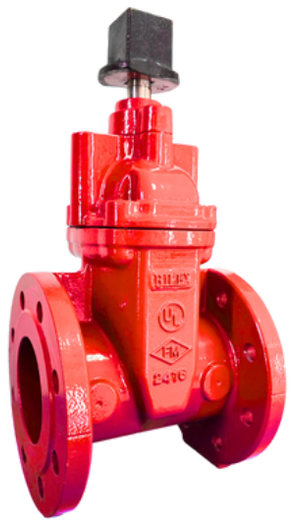


MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Bonnet	Ductile iron GGG50
3	Stem	Stainless steel 420 /SS304 / SS316 / SS316L
4	Seat	Brass, fitted with NBR rubber facing

Model No. B909
Product Variant No. BX5300

GATE VALVE Non Rising Stem Resilient Seated



APPLICATION

Flanged non rising stem resilient seated gate valve for fire protection and fighting applications.

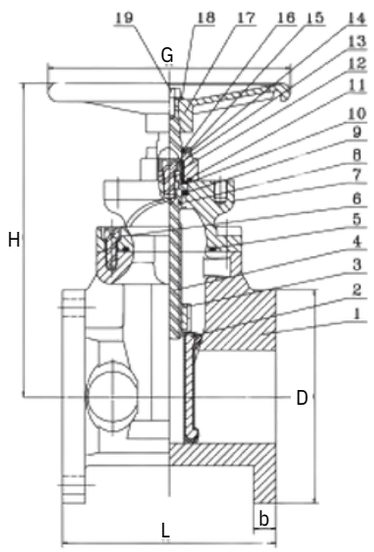
DESIGN FEATURES

- Non rising stainless steel stem
- Bolted bonnet
- Low closing torque
- Triple O-rings stem seal
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut
- Clockwise closing

TECHNICAL CHARACTERISTICS

- Design in accordance to AWWA C509
- Maximum working pressure: 250 psi / 300 psi
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: All valves are tested hydrostatically at BIMEX.
- Material and test certificates can be provided.
- Indicator post flange are available upon request
- DN350 & DN400 are available upon request.

DIMENSIONAL DRAWING



OPERATION OPTIONS

MATERIALS

No	Description	Material
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536/EPDM ASTM D 2000
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Stem	Stainless steel
5	Bonnet Gasket	EPDM ASTM D 2000
6	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
7	Bonnet	Ductile Iron ASTM A 536
8	Bonnet Stem Primary O-Ring	EPDM ASTM D2000
9	Stem Thrust Washer (lower)	Bronze ASTM B 584 UNS C83600
10	Stem Thrust Washer (upper)	Stainless Steel ASTM A 276 UNS S41000
11	Gland Seal O-Ring	EPDM ASTM D2000
12	Stem Seal Bushing	Bronze ASTM B 584 UNS C83600
13	Stem Secondary O-Ring	EPDM ASTM D2000
14	Gland Flange	Ductile Iron ASTM A 536
15	Gland Flange Screw	Alloy Steel ASTM A 574M Zinc Plated
16	Stem Ring Wiper	EPDM ASTM D2000
17	Square Operating Nut	Ductile Iron ASTM A 536
17a	Handwheel	Ductile Iron ASTM A 536
18	Flat Washer	Carbon Steel Zinc Plated
19	Screw	Alloy Steel ASTM A 574M Zinc Plated

DIMENSIONS

DN		Dimension (mm)							Flange Holes		Turns To Open
in	mm	L	H	b	D	G	Bolt Circle (ANSI)	Bolt Circle (PN16)	ANSI	PN16	
2	50	178	225	16.0	152	200	121	125	4	4ϕ19	6.5
2.5	65	190	287	17.5	178	200	140	145	4	4ϕ19	8.8
3	80	203	321	19.0	191	260	152	160	4	8ϕ19	10.6
4	100	229	344	24.0	229	260	191	180	8	8ϕ19	13
6	150	267	441	25.4	279	375	241	240	8	8ϕ23	15.6
8	200	292	529	28.6	343	375	298	295	8	12ϕ23	17.3
10	250	330	614	30.2	406	400	362	355	12	12ϕ28	21.4
12	300	356	700	31.8	483	500	432	410	12	12ϕ28	25.3

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

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Model No. B105-B108
Product Variant No. BX5301-2

GATE VALVE Non Rising Stem Resilient Seated

APPLICATION

Grooved x Flanged, or Grooved x Grooved non rising stem resilient seated gate valve for fire protection and fighting applications.

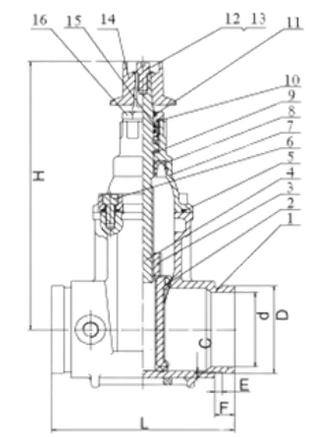
DESIGN FEATURES

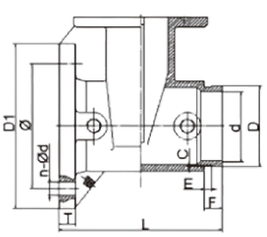
- Non rising stainless steel stem
- Bolted Bonnet
- Low closing torque
- Triple O-rings stem seal
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut
- Clockwise closing

TECHNICAL CHARACTERISTICS

- Design in accordance to AWWA C509
- Maximum working pressure: 250 psi / 300 psi
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: All valves are tested hydrostatically at BIMEX
- Material and test certificates can be provided
- Indicator post flange are available upon request
- DN350 & DN400 are available upon request

DIMENSIONAL DRAWING





OPERATION OPTIONS

MATERIALS

No	Description	Material
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536/EPDM ASTM D 2000
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Stem	Stainless steel ASTM A 276 UNS S41000
5	Bonnet Gasket	EPDM ASTM D 2000
6	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
7	Bonnet	Ductile Iron ASTM A 536
8	Bonnet Stem Primary O-Ring	EPDM ASTM D2000
9	Stem Thrust Washer	Stainless Steel ASTM A 276 UNS S41000
10	Gland Seal O-Ring	EPDM ASTM D2000
11	Stem Ring Wiper	EPDM ASTM D2000
12	Operating Nut Washer	Carbon Steel Zinc Plated
13	Operating Nut Screw	Alloy Steel ASTM A 574M Zinc Plated
14	Square Operating Nut	Ductile Iron ASTM A 536
14a	Handwheel	Ductile Iron ASTM A 536
15	Stem Primary O-ring	EPDM ASTM D2000
16	Stem Seal Bushing	Brass ASTM B16 UNS C36000

DIMENSIONS

DN		Dimension (mm)												n-Ød		Turns To Open
in	mm	L	C	D	E	F	G	d	T	D1	H	Ø (ANSI)	Ø (PN16)	ANSI	PN16	
2.5	65	190	2	73	7.95	2	200	65	17.5	178	287	140	145	4	4ϕ19	8.0
3	80	203	2	89	9	25	254	73	19.0	191	321	152	160	4	8ϕ19	10.5
4	100	229	2	114	9	25	254	100	24.0	229	344	191	180	8	8ϕ19	13.75
6	150	267	2	168	9	25	315	150	25.4	279	441	241	240	8	8ϕ23	16.0
8	200	292	2.3	219	12	31	375	200	28.6	343	529	298	295	12	12ϕ23	17.5
10	250	330	2.55	273	13.2	31.7	416	250	30.2	406	614	362	355	12	12ϕ28	21.5
12	300	356	2.35	325	13.2	31.7	445	300	31.8	483	700	432	410	12	12ϕ28	26.0

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

Model No. B909
Product Variant No. BX5303

GATE VALVE Non Rising Stem Resilient Seated with indicator post flange

APPLICATION

Flanged non rising stem resilient seated gate valve equipped with indicator post flange *(post BX5900 is not included)* for fire protection and fighting applications.

DESIGN FEATURES

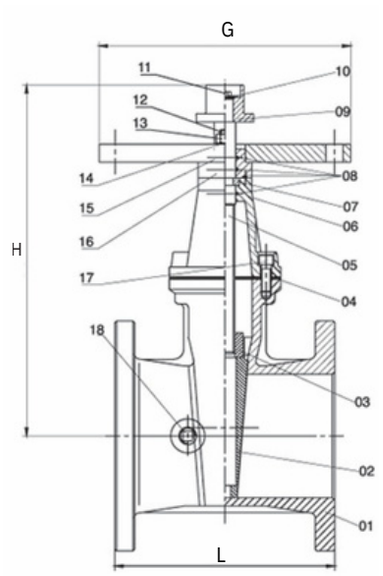
- Non rising stainless steel stem
- Bolted Bonnet
- Low closing torque
- Triple O-rings stem seal
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut
- Clockwise closing

FM APPROVED UL

TECHNICAL CHARACTERISTICS

- Design in accordance to AWWA C509
- Maximum working pressure: 250 psi / 300 psi
- Working temperature: 0°C - +70°C
- Color RAL3000, or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: All valves are tested hydrostatically at BIMEX
- Material and test certificates can be provided
- Flange x flange, groove x groove, or mechanical joints are available upon request
- DN350 & DN400 are available upon request

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536/EPDM ASTM D 2000
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Bonnet Gasket	EPDM ASTM D 2000
5	Stem	Stainless steel
6	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
7	Bonnet	Ductile Iron ASTM A 536
8	Bonnet Stem O-Ring	EPDM ASTM D2000
9	Square Operating Nut	Ductile Iron ASTM A 536
10	Washer	Carbon Steel Zinc Plated
11	Screw	Alloy Steel ASTM A 574M Zinc Plated
12	Screw	Alloy Steel ASTM A 574M Zinc Plated
13	Blind Nut	Alloy Steel ASTM A 574M Zinc Plated
14	Flat Washer	Carbon Steel Zinc Plated
15	Coupling Flange	Ductile Iron ASTM A 536
16	Post Plate	Ductile Iron ASTM A 536
17	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
18	NPT Pipe Plug	Alloy Steel ASTM A 574M Zinc Plated

DIMENSIONS

DN		Dimension (mm)					Flange Holes		Turns To Open
in	mm	L	H	G	Bolt Circle (ANSI)	Bolt Circle (PN16)	ANSI	PN16	
2	50	178	225	305	121	125	4	4ϕ19	6.5
2.5	65	190	287	305	140	145	4	4ϕ19	8.8
3	80	203	321	305	152	160	4	8ϕ19	10.6
4	100	229	344	305	191	180	8	8ϕ19	13
6	150	267	441	305	241	240	8	8ϕ23	15.6
8	200	292	529	305	298	295	8	12ϕ23	17.3
10	250	330	614	305	362	355	12	12ϕ28	21.4
12	300	356	700	305	432	410	12	12ϕ28	25.3

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

Model No. BJ909
Product Variant No. BX5304

GATE VALVE Non Rising Stem Resilient Seated

APPLICATION

Mechanical joint non rising stem resilient seated gate valve for fire protection and fighting applications.

DESIGN FEATURES

- Non rising stainless steel stem
- Bolted Bonnet
- Low closing torque
- Triple O-rings stem seal
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut
- Clockwise closing

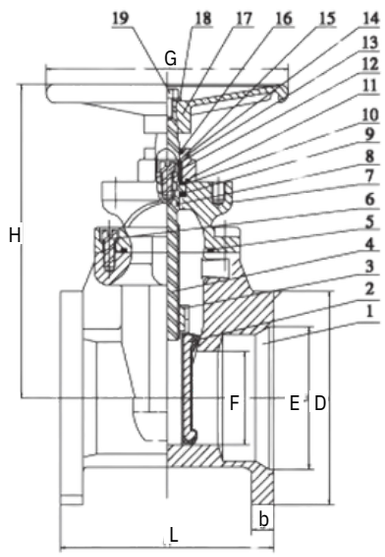
TECHNICAL CHARACTERISTICS

FM APPROVED UL

- Design in accordance to AWWA C509
- Maximum working pressure: 250 psi / 300 psi
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: All valves are tested hydrostatically at BIMEX
- Material and test certificates can be provided
- DN350 & DN400 are available upon request

OPERATION OPTIONS

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536/EPDM ASTM D 2000
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Stem	Stainless steel
5	Bonnet Gasket	EPDM ASTM D 2000
6	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
7	Bonnet	Ductile Iron ASTM A 536
8	Bonnet Stem Primary O-Ring	EPDM ASTM D2000
9	Stem Thrust Washer (lower)	Bronze ASTM B 584 UNS C83600
10	Stem Thrust Washer (upper)	Stainless Steel ASTM A 276 UNS S41000
11	Gland Seal O-Ring	EPDM ASTM D2000
12	Stem Seal Bushing	Bronze ASTM B 584 UNS C83600
13	Stem Secondary O-Ring	EPDM ASTM D2000
14	Gland Flange	Ductile Iron ASTM A 536
15	Gland Flange Screw	Alloy Steel ASTM A 574M Zinc Plated
16	Stem Ring Wiper	EPDM ASTM D2000
17	Square Operating Nut	Ductile Iron ASTM A 536
17a	Handwheel	Ductile Iron ASTM A 536
18	Flat Washer	Carbon Steel Zinc Plated
19	Screw	Alloy Steel ASTM A 574M Zinc Plated

DIMENSIONS

DN		Dimension (mm)								Flange Holes	Turns To Open
in	mm	L	H	b	D	E	F	G	Bolt Circle		
3	80	203	322	24	196	126	80	260	157	4	10.8
4	100	254	344	26	232	153	100	260	191	4	13.0
6	150	292	441	27	283	206	150	375	241	6	15.7
8	200	292	529	28	340	261	200	375	298	6	17.3
10	250	330	614	30	400	313	250	400	356	8	21.4
12	300	356	700	32	456	367	300	500	413	8	25.3

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

Model No. B907
Product Variant No. BX5400

GATE VALVE Rising Stem Resilient Seated

APPLICATION

Flanged OS&Y rising stem resilient seated gate valve for fire protection and fighting applications.

DESIGN FEATURES

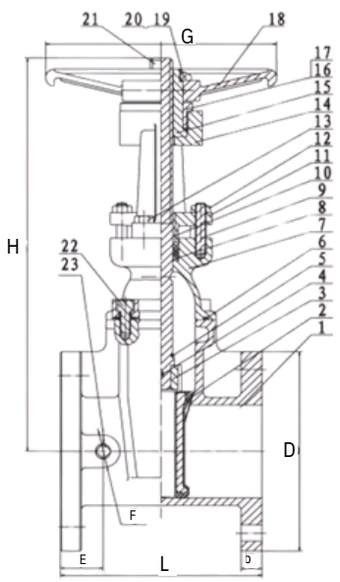
- Rising stainless steel stem
- Bolted Bonnet
- Low closing torque
- Triple O-rings stem seal
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut
- Clockwise closing

TECHNICAL CHARACTERISTICS

- Design in accordance to AWWA C509
- Maximum working pressure: 250 psi / 300 psi
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Mechanical joint is available upon request (BX5403)
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: All valves are tested hydrostatically at BIMEX
- DN350 & DN400 are available upon request

OPERATION OPTIONS

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536/EPDM ASTM D 2000
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Dowel Pin	Stainless Steel ASTM A 276 UNS S42000
5	Stem Back Seat O-Ring	EPDM ASTM D 2000
6	Bonnet Gasket	EPDM ASTM D 2000
7	Bonnet	Ductile Iron ASTM A 536
8	Stem Packing	EPDM ASTM D 2000
9	Threaded Rod	Carbon Steel Zinc Plated
10	Gland Bushing	ASTM B 584 Bronze ASTM B 584
11	Gland	ASTM A 126-B Cast Iron ASTM A 126-B
12	Gland Nut	Stainless Steel 18-8
13	Yoke Screw	Alloy Steel ASTM A 574M Zinc Plated
14	Yoke	Cast Iron ASTM A 126-B
15	Yoke Bushing	Bronze ASTM B 584
16	Flat Point Set Screw	Alloy Steel ASTM F 912M Black Oxide
17	Yoke Bushing Retainer	Cast Iron ASTM A 126-B
18	Handwheel	Ductile Iron ASTM A 536
19	Handwheel Nut	Carbon Steel Zinc Plated
20	Flat Head Screw	Carbon Steel Zinc Plated
21	Stem	Stainless Steel
22	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated
23	NPT Pipe Plug	Alloy Steel ASTM A 574M Zinc Plated

DIMENSIONS

DN		Dimension (mm)										Flange Holes		Turns To Open
in	mm	L	H Opened	H Closed	b	D	E	F	G	Bolt Circle (ANSI)	Bolt Circle (PN16)	ANSI	PN16	
2.5	65	190.5	453	378	17.5	178	38	40	200	140	145	4	4ϕ19	8.8
3	80	203	500	405	19.0	191	44	54	200	152.5	160	4	8ϕ19	10.5
4	100	229	534	422	24.0	229.	54	54	260	191	180	8	8ϕ19	10.4
6	150	267	744	581	25.4	279	57	64	315	241	240	8	8ϕ23	15.7
8	200	292	939	724	28.6	343	63	70	375	298	295	8	12ϕ23	17.2
10	250	330	1139	877	30.2	406	65	70	416	362	355	12	12ϕ28	21.4
12	300	356	1329	1014	31.8	483	74	86	445	432	410	12	12ϕ28	25.5

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

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Model No. B135-B138
Product Variant No. BX5401-2

GATE VALVE Rising Stem Resilient Seated

APPLICATION

Flanged OS&Y rising stem resilient seated gate valve for fire protection and fighting applications.

DESIGN FEATURES

- Rising stainless steel stem
- Bolted Bonnet
- Low closing torque
- Triple O-rings stem seal
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut
- Clockwise closing

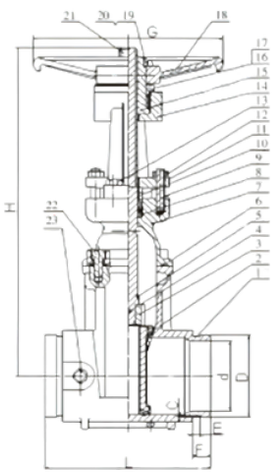
TECHNICAL CHARACTERISTICS

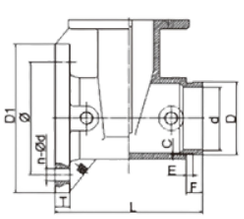
FM APPROVED UL

- Design in accordance to AWWA C509
- Maximum working pressure: 250 psi / 300 psi
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically app lied per AWWA C550
- Quality control: All valves are tested hydrostatically at BIMEX
- Material and test certificates can be provided
- DN350 & DN400 are available upon request

OPERATION OPTIONS

DIMENSIONAL DRAWING





MATERIALS

No	Description	Material
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536 EPDM ASTM D 2000
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Dowel Pin	Stainless Steel ASTM A 276 UNS S42000
5	Stem Back Seat O-Ring	EPDM ASTM D 2000
6	Bonnet Gasket	EPDM ASTM D 2000
7	Bonnet	Ductile Iron ASTM A 536
8	Stem Packing	EPDM ASTM D 2000
9	Threaded Rod	Carbon Steel Zinc Plated
10	Gland Bushing	Bronze ASTM B 584
11	Gland	Cast Iron ASTM A 126-B
12	Gland Nut	Stainless Steel 18-8
13	Yoke Screw	Alloy Steel ASTM A 574M Zinc Plated
14	Yoke	Cast Iron ASTM A 126-B
15	Yoke Bushing	Bronze ASTM B 584
16	Flat Point Set Screw	Alloy Steel ASTM F 912M Black Oxide
17	Yoke Bushing Retainer	Cast Iron ASTM A 126-B
18	Handwheel	Ductile Iron ASTM A 536
19	Handwheel Nut	Carbon Steel Zinc Plated
20	Flat Head Screw	Carbon Steel Zinc Plated
21	Stem	Stainless Steel
22	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated

DIMENSIONS

DN		Dimension (mm)													n-Ød		Turns To Open
in	mm	L	H Opened	H Closed	C	D	E	F	G	d	D1	T	Ø (ANSI)	Ø (PN16)	ANSI	PN16	
2.5	65	190.5	466	386	2	73	7.95	24	200	65	178	17.5	140	145	4	4ϕ19	8
3	80	203	510	405	2	89	9	25	254	73	191	19	152.5	160	4	8ϕ19	10.5
4	100	229	568	422	2	114	9	25	254	100	229	24	190.5	180	8	8ϕ19	13.75
6	150	267	769	581	2	168	9	25	315	150	279	25.4	241	240	8	8ϕ23	16
8	200	292	960	724	2.3	219	12	31	375	200	343	28.6	298.5	295	8	12ϕ23	17.5
10	250	330	1145	891	2.55	272.9	13.2	31.7	416	250	406	30.2	362	355	12	12ϕ28	21.5
12	300	356	1330	1020	3.35	324.5	13.2	31.7	445	300	483	31.8	432	410	12	12ϕ28	26

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

Model No. BB111Q
Product Variant No. BX5305

GATE VALVE Non Rising Stem Resilient Seated

APPLICATION

Flanged non rising stem resilient seated gate valve for fire protection and fighting applications.

DESIGN FEATURES

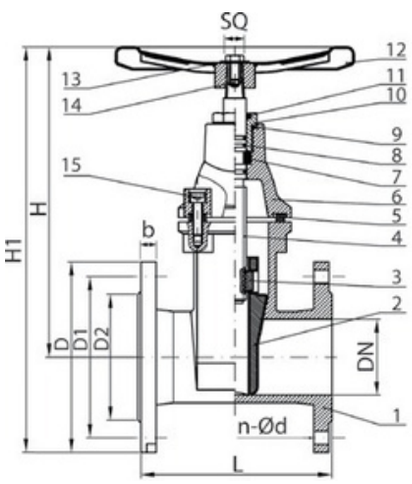
- Non rising stainless steel stem
- Full bore, Low closing torque
- Clockwise closing
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut

TECHNICAL CHARACTERISTICS

- Design in accordance to BS5163
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +70°C
- Face to face dimensions according to EN 558-1
- Flange end connections according to EN1092-2: PN10 & PN16
- Color RAL5015, RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: All valves are tested hydrostatically according to ISO 5208 at BIMEX
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1

OPERATION OPTIONS

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve body	Ductile iron GGG50
2	Resilient wedge	Ductile iron GGG50 / EPDM
3	Wedge Nut	Bronze
4	Stem	Stainless Steel
5	Bonnet gasket	EPDM
6	Bonnet Screw	Steel ASTM 45#
7	Bonnet	Ductile iron GGG50
8	Stem Primary O-Ring	EPDM
9	Stem Thrust Washer	Nylon
10	Gland Seal O-Ring	EPDM
11	Stem Ring Wiper	EPDM
12	Operating Nut Washer	Carbon steel Zinc Plated
13	Operating Nut Screw	Carbon steel Zinc Plated
14	Handwheel	Ductile iron GGG50
15	O-Ring	EPDM
16	Stem Bushing	Brass

DIMENSIONS

DN	L	n-Ød		D	D1		D2	b	t	H1	H
		PN10	PN16		PN10	PN16					
50	178	4-Ø19	4-Ø19	165	125	125	98	19	3	335	253
65	190	4-Ø19	4-Ø19	185	145	145	118	19	3	376	284
80	203	4-Ø19	8-Ø19	200	160	160	133	19	3	420	320
100	229	8-Ø19	8-Ø19	220	180	180	153	19	3	453	343
125	254	8-Ø19	8-Ø19	250	210	210	183	19	3	533	408
150	267	8-Ø19	8-Ø19	285	240	240	209	19	3	567	425
200	292	8-Ø19	12-Ø23	340	295	295	264	20	3	700	530
250	330	12-Ø23	12-Ø28	400	350	355	319	22	3	821	621
300	356	12-Ø23	12-Ø28	455	400	410	367	24.5	4	930	703
350	381	16-Ø23	16-Ø28	520	460	470	429	26.5	4	1097	841
400	406	16-Ø28	16-Ø31	580	515	525	480	28	4	1199	922
450	432	20-Ø29	20-Ø31	640	565	585	550	30	4	1342	1022
500	457	20-Ø29	20-Ø35	715	620	650	609	31.5	4	1535	1177
600	508	20-Ø32	20-Ø37	840	725	770	682	36	5	1799	1379
700	610	24-Ø32	24-Ø37	910	840	840	794	39.5	5	1886	1431
800	660	24-Ø34	24-Ø40	1025	950	950	901	43	5	2092	1579

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

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Model No. BB131
Product Variant No. BX5404

GATE VALVE Rising Stem Resilient Seated

APPLICATION

Flanged OS&Y rising stem resilient seated gate valve for fire protection and fighting applications.

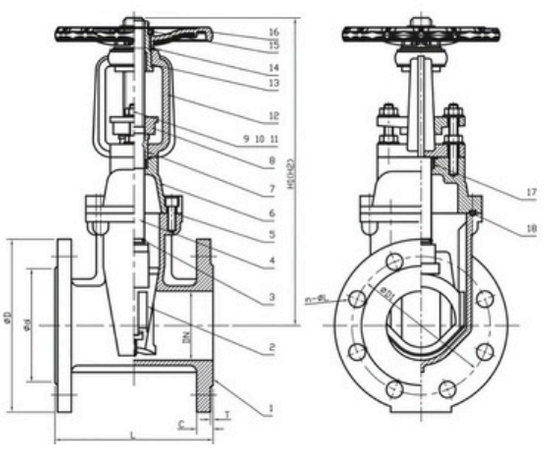
DESIGN FEATURES

- Rising stainless steel stem
- Bolted Bonnet
- Low closing torque
- Triple O-rings stem seal
- Guided wedge to ensure correct sealing
- 100% watertight, No zones of retention
- Replaceable wedge nut
- Clockwise closing

TECHNICAL CHARACTERISTICS

- Design in accordance to BS5163
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +70°C
- Face to face dimensions according to EN 558-1
- Flange end connections according to EN1092-2: PN10 & PN16
- Color RAL5015, RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: All valves are tested hydrostatically according to ISO 5208 at BIMEX
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1

DIMENSIONAL DRAWING



OPERATION OPTIONS

MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Resilient Wedge	Ductile iron GGG50 / EPDM
3	O-Ring	NBR
4	Stem	Stainless Steel
5	Bolt	Carbon Steel Zinc Plated
6	Bonnet	Ductile iron GGG50
7	Stem Bushing	Brass
8	Gland	EN-GJS-450-10
9	Washer	Carbon Steel Zinc Plated
10	Stud	Carbon Steel Zinc Plated
11	Nut	Carbon Steel Zinc Plated
12	Yoke	Ductile Iron ASTM A 536
13	Stem Nut	Brass
14	Washer	Brass
15	Locknut	Carbon Steel Zinc Plated
16	Handwheel	Ductile iron GGG50

DIMENSIONS

DN	L	n-Ød		D	D1		Ød	C	t	H2
		PN10	PN16		PN10	PN16				
50	178	4-Ø19	4-Ø19	165	125	125	98	19	3	400
65	190	4-Ø19	4-Ø19	185	145	145	118	19	3	440
80	203	4-Ø19	8-Ø19	200	160	160	133	19	3	490
100	229	8-Ø19	8-Ø19	220	180	180	153	19	3	573
125	254	8-Ø19	8-Ø19	250	210	210	183	19	3	665
150	267	8-Ø19	8-Ø19	285	240	240	209	19	3	743
200	292	8-Ø19	12-Ø23	340	295	295	264	20	3	975
250	330	12-Ø23	12-Ø28	400	350	355	319	22	3	1190
300	356	12-Ø23	12-Ø28	455	400	410	367	24.5	4	1370
350	381	16-Ø23	16-Ø28	520	460	470	429	26.5	4	1817
400	406	16-Ø28	16-Ø31	580	515	525	480	28	4	1817
450	432	20-Ø29	20-Ø31	640	565	585	550	30	4	2308
500	457	20-Ø29	20-Ø35	715	620	650	609	31.5	4	2329
600	508	20-Ø32	20-Ø37	840	725	770	682	36	5	2649

All illustrations, technical data, dimensions (in mm) are non-binding and are subject to change.

Product Variant No. BX5700-1

SWING CHECK VALVE Metal Seated

BX5700

BX5701

APPLICATION

Non return swing check valve with or without an adjustable counter weight.

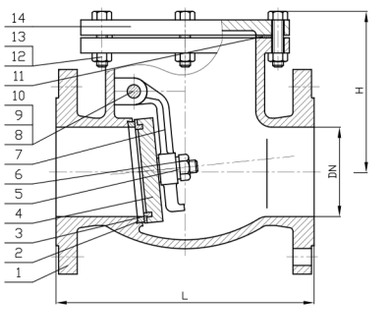
DESIGN FEATURES

- Valve with automatic mechanical closing for installation in pumping systems preventing the return of the flow
- Adjustable counter weight allows the control of the opening and closing behavior
- Full complete passage without obstacles, avoiding head loss
- Effect of cavitation almost null, due to geometric configuration of the valve

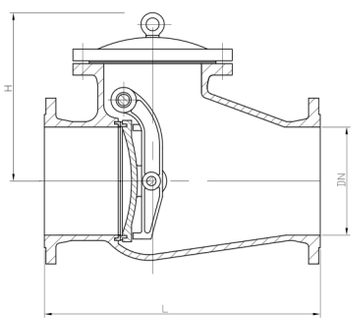
TECHNICAL CHARACTERISTICS

- Design in accordance to AWWA C509, EN1074 and EN1171
- Face to face dimensions according to EN 558-2 series 48
- Flange end connections according to EN1092-2: PN10 & PN16
- Maximum working pressure: PN16 / 16 bar, 250 psi / 300 psi
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided

DN50 - DN300



DN350 - DN1000



MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Body Seat Ring	Bronze, Stainless steel
3	Disk Seat Ring	Bronze, Stainless steel
4	Disc	Ductile iron GGG50
5	Washer	Galvanized steel
6	Locking Nut	Galvanized steel
7	Arm	Ductile iron GGG50
8	Hing Pin	Stainless Steel
9	Plug	Galvanized steel
10	Gasket	EPDM
11	Bonnet Gasket	EPDM
12	Screw	Galvanized steel
13	Nut	Galvanized steel
14	Bonnet	Ductile iron GGG50

DIMENSIONS

DN	L	n-Ød		H	DN	L	n-Ød		H
		PN10	PN16				PN10	PN16	
50	200	4-Ø19	4-Ø19	137	350	800	16-Ø23	16-Ø28	482
65	240	4-Ø19	4-Ø19	147	400	900	16-Ø28	16-Ø31	544
80	260	4-Ø19	8-Ø19	159	450	1000	20-Ø28	20-Ø31	595
100	300	8-Ø19	8-Ø19	180	500	1100	20-Ø28	20-Ø34	650
125	300	8-Ø19	8-Ø19	203	600	1300	20-Ø31	20-Ø37	704
150	400	8-Ø23	8-Ø23	223	700	1500	24-Ø31	24-Ø37	830
200	500	8-Ø23	12-Ø23	258	800	1700	24-Ø34	24-Ø41	950
250	600	12-Ø23	12-Ø28	290	900	1900	28-Ø34	28-Ø41	1025
300	700	12-Ø23	12-Ø28	325	1000	2100	28-Ø37	28-Ø44	1125

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Product Variant No. BX5800

CHECK VALVE Wafer Dual Plate

APPLICATION

Dual plate check valve for water, fire fighting, irrigation, and air conditioning systems.

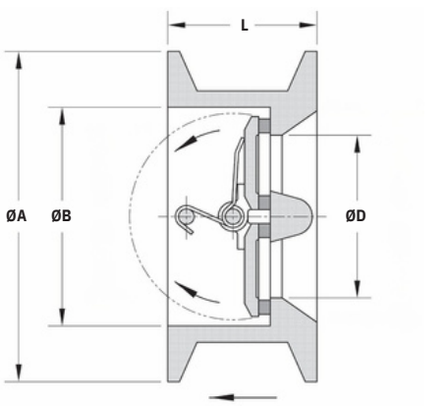
DESIGN FEATURES

- Dual plate construction, 100% watertight
- Quick opening and closing action
- Spring loaded on the plate for quick closing
- Opening angle approaches 90°
- Low head losses
- Can be installed vertically for upward flow
- Small size and high performance
- Stainless steel shaft and spring

TECHNICAL CHARACTERISTICS

- Design in accordance to API594, and EN 12266-1
- Face to face dimensions according to EN 558-1
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +82°C
- Color RAL5015
- Powder epoxy coating at least 300 µm thickness is electro statically applied
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided
- Body test = working pressure x 1.5. Seal test = working pressure x 1.1

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Disk	Ductile iron GGG50
3	Seat	EPDM
4	Stem	Stainless steel
5	Spring	Stainless steel
6	Washer	Stainless steel

DIMENSIONS

DN	ØA		ØB	ØD	L
	PN10	PN16			
50	109	109	65	43	43
65	129	129	80	57	46
80	144	144	94	70	64
100	164	164	117	88	64
125	194	194	145	115	70
150	220	220	170	134	76
200	275	275	224	182	89
250	330	330	265	217	114
300	380	386	310	260	114
350	440	446	360	314	127
400	490	498	410	350	140
450	541	558	450	396	152
500	596	620	505	440	152
600	698	737	624	536	178

Product Variant No. BX9001

PRESSURE REDUCING VALVE Diaphragm Type

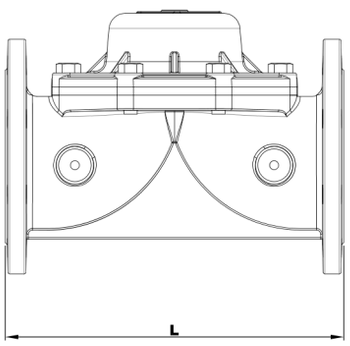
APPLICATION

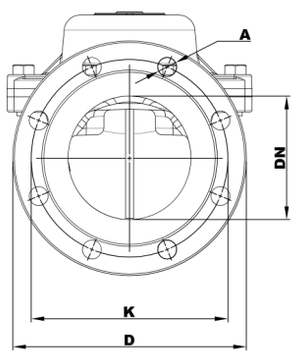
Solenoid-controlled pressure reducing control valve for fire fighting applications.

DESIGN FEATURES

- Solenoid-controlled pressure reducing control valves adjust the outlet pressure and enable on / off from an external power supply
- The pilot mounted on it ensures that the high inlet pressure remains constant by adjusting to the desired output pressure value
- It is not affected by pressure and flow changes
- It is possible to remotely control the solenoid coil
- The control can be provided with the control device, time relay, switch, PLC control unit etc.
- Manual opening and closing
- Easy maintenance
- Low energy consumption
- Control of different voltages
- Easy and precise adjustment to desired pressure
- Pressure reduction without affecting the pressure and flow changes in the system

DIMENSIONAL DRAWING





TECHNICAL CHARACTERISTICS

- Design in accordance to EN 1074-5
- Pressure reduction ratio 10:1
- Flange end connections according to EN1092-2: PN10 & PN16
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided

MATERIALS

No	Description	Material
1	Valve Body	Ductile iron GGG50
2	Diaphragm	Scrim Reinforced Natural Rubber
3	Diaphragm Pressure Ring	Polyamide
4	Spring	Stainless steel
5	Bonnent	Ductile iron GGG50

DIMENSIONS

DN	L	D	n-Ød		K
			PN10	PN16	
50	205	165	4-Ø19	4-Ø19	125
65	205	185	4-Ø19	4-Ø19	145
80	290	200	4-Ø19	8-Ø19	160
100	300	220	8-Ø19	8-Ø19	180
125	330	250	8-Ø19	8-Ø19	210
150	415	285	8-Ø23	8-Ø23	240
200	475	340	8-Ø23	12-Ø23	295
250	475	405	12-Ø23	12-Ø28	355
300	525	460	12-Ø23	12-Ø28	410

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Product Variant No. BX5900

POST INDICATOR WALL TYPE

APPLICATION

Indicator Post for the NRS gate valves. This post is used in fire protection to: (1) operate the Gate valves which are located in difficult to access areas like cross walls which are used for interior water systems; and (2) where the requirement is to know whether the valve is in open/shut condition. The Indicator Posts need to be installed in accordance with the manufacturer's installation instructions, NFPA-11, 13, 14, 24 and local Authority.

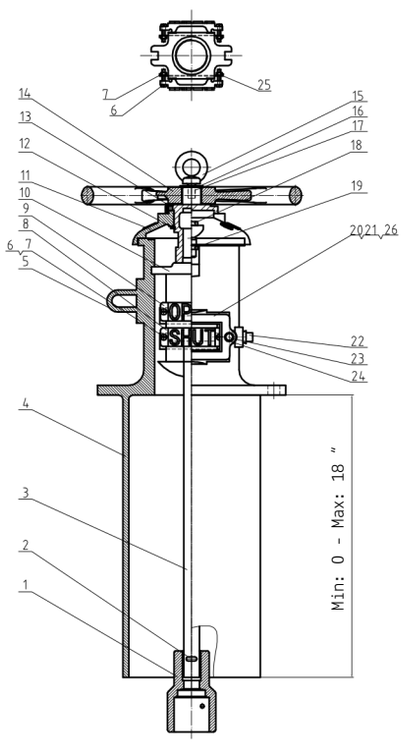
DESIGN FEATURES

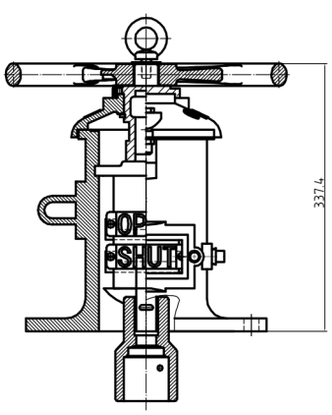
- Ductile Iron Body and Bonnet
- Adjustable stem length
- Suitable for NRS Gate Valve equipped with post flange (BX5303) for sizes 4" up to 24"
- The handwheel can be secured with a padlock to prevent unauthorized operation of the valve.
- Manual opening and closing
- Easy maintenance

TECHNICAL CHARACTERISTICS

- Design in accordance to UL 789, FM Class Number 1110
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided

DIMENSIONAL DRAWING





MATERIALS

No	Description	Material
1	Wrench socket	ASTM A536-65-45-12
2	Cotter pin	ASTM A105
3	Operating bar	ASTM A105
4	Barrel	ASTM A536-65-45-12
5	Special U-Bolt	ASTM A105
6	Slotted pan head screw	ASTM A105
7	Hexagon nut	ASTM A105
8	Target plate [SHUT]	Cast Aluminum A03560 356
9	Target plate [OPEN]	Cast Aluminum A03560 356
10	Leading bogie	ASTM B16
11	Bonnet	ASTM A536-65-45-12
12	Circlip	ASTM 1566
13	Slotted flat head screw	ASTM A105
14	Handwheel	ASTM A536-65-45-12
15	Hexagon bolt	ASTM A105
16	Big washer	ASTM A105
17	Operating cap	ASTM C83600
18	T bolt	ASTM A105
19	Hexagon Nut	ASTM A105
20	Cover board	PMMA
21	Gasket	EPDM
22	Plug	ASTM B16.14
23	Hexagon head screw	ASTM A276
24	Washer	ASTM A105
25	Support plate	ASTM SA283Gr.C
26	Guard board	ASTM A126

Product Variant No. BX5901

POST INDICATOR VERTICAL TYPE

APPLICATION

Indicator Post for the NRS gate valves. This post is used in fire protection to: (1) operate the Gate valves which are buried under-ground or located in difficult to access areas; and (2) where the requirement is to know whether the valve is in open/shut condition. The Indicator Posts need to be installed in accordance with the manufacturer's installation instructions, NFPA-11, 13, 14, 24 and local Authority.

DESIGN FEATURES

- Ductile Iron Body and Bonnet
- Telescopic design
- Adjustable buried depths
- Suitable for NRS Gate Valve (BX5303) for sizes 4" up to 24"
- The wrench can be secured with a padlock to prevent unauthorized operation of the valve.
- Manual opening and closing
- Easy maintenance

TECHNICAL CHARACTERISTICS

- Design in accordance to UL 789, FM Class Number 1110
- Working temperature: 0°C - +70°C
- Color RAL3000 or RAL3002
- Powder epoxy coating at least 300 µm thickness is electro statically applied per AWWA C550
- Quality control: each valve is entirely tested according to EN12266 / ISO5208 at BIMEX
- Material and test certificates can be provided

BURRIED LENGTH PER MODEL

Valve DN	Min Buried Length			Max Buried Length		
	5900A	5900B	5900C	5900A	5900B	5900C
100	839	1296	1499	1321	1778	2236
150	1016	1474	1931	1499	1956	2413
200	1093	1550	2007	1575	2032	2490
250	1220	1677	2134	1702	2159	2617
300	1321	1778	2236	1804	2261	2718

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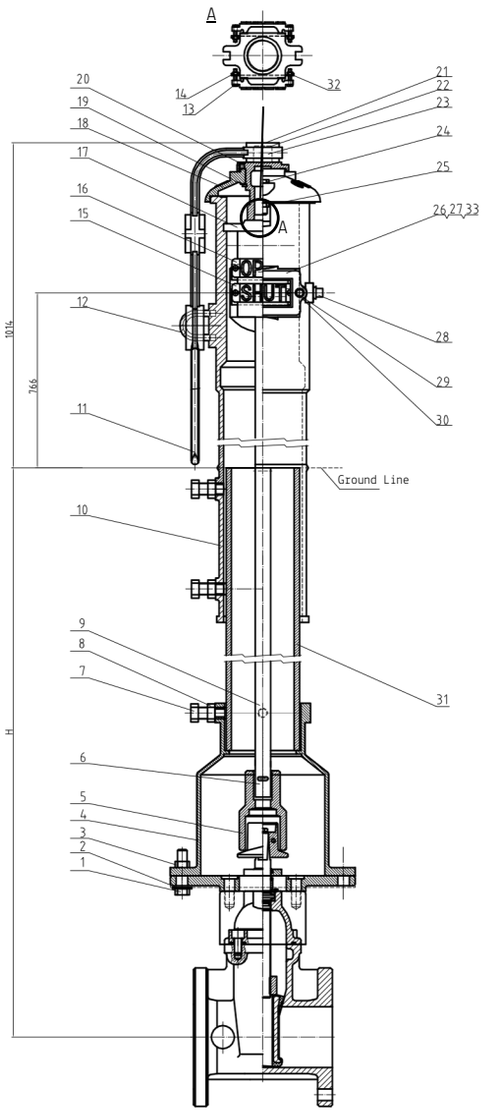
Product Variant No. BX5901

DIMENSIONAL DRAWING



MATERIALS

No	Description	Material
1	Hexagonal Bolt	ASTM A105
2	Washer	ASTM A105
3	Hexagonal Nut	ASTM A105
4	Seat	ASTM A536 65- 45 -12
5	Wrench Socket	ASTM A536 65- 45 -12
6	Cotter Pin	ASTM A105
7	Hexagonal Bolt	ASTM A105
8	Hexagonal Nut	ASTM A105
9	Operating Bar	ASTM A105
10	Barrel	ASTM A536 65- 45 -12
11	Wrench	ASTM A536 65- 45 -12
12	U-Bolt	ASTM A105
13	Slotted Pan head Screw	ASTM A105
14	Hexagonal Nut	ASTM A105
15	Target Plate [Shut]	Cast Aluminum A03560 356
16	Target Plate [Open]	Cast Aluminum A03560 356
17	Landing Bogie	ASTM B16
18	Bonnet	ASTM A536 65- 45 -12
19	Cir Clip	ASTM 1566
20	Flat head Screw	ASTM A105
21	Hexagonal Bolt	ASTM A105
22	Washer	ASTM A105
23	Operating Nut	ASTM C83600
24	T Bolt	ASTM A105
25	Hexagonal Nut	ASTM A105
26	Cover Board	PMMA
27	Gasket	EPDM
28	Plug	ASTM B16.14
29	Hexagonal Head Screw	ASTM A105
30	Washer	ASTM A105
31	Stand Pipe	ASTM A536 65-45-12
32	Support Plate	ASTM SA283 Gr. C
33	Guard Board	ASTM A126