ATAM®
VALVES

YOUR FLOW OUR COMMITMENT

PIPELINE & MARINE VALVES
CATALOGUE

ABOUT THE COMPANY

Atam Valves – We are an engineering company specializing in designing and manufacturing valve solutions across multiple sectors, in line with international industry standards. Our technical solutions ensure precision control, reliability, and long service life under diverse operating conditions.

Our state-of-the-art manufacturing facility produces and exports valves for critical applications in industries such as Steam Engineering, Hydrocarbon, Marine, Shipbuilding, Distillery, Brewery, Chemical, Power, Mining, Plumbing, Fire-fighting, HVAC Service and General Engineering.

We address the most demanding challenges in fluid motion control with our in-house product quality systems, design and development expertise, strong engineering capability, project management skills, and efficient customer service.

We are **IBR approved**, certified to **ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018**, and offer **AP1607 fire-safe design Ball Valves** with type approvals for various marine applications.

With years of proven field experience, Atam Valves has built a strong reputation for excellence by delivering high-value, reliable products that meet stringent flow-control requirements. We are committed to superior quality, personalized service, and on-time deliveries.

OUR MANUFACTURING FACILITY

Atam Manufacturing is driven by technology and precision. We specialize in producing high-quality industrial valves through advanced manufacturing engineering processes, where raw materials are transformed into reliable final products. Every step of our process begins with meticulous product design and material specifications to ensure consistent quality.

Our in-house machining facility is equipped to handle a wide range of valve components in materials such as Carbon Steel, Alloy Steel, Stainless Steel, Duplex and Super Duplex Stainless Steels, Nickel Alloys, Bronze, and Nickel-Aluminium Bronze (NAB). Over the years, we have built deep expertise in precision machining and continue to expand our capabilities with the latest and most advanced equipment.

With CNC machining powered by Computer-Aided Manufacturing (CAM), Atam Valves ensures state-of-the-art manufacturing standards. This continuous investment in technology and innovation enables us to deliver world-class valve solutions tailored to the evolving needs of global industries


MB125

WHY ATAM?

MANUFACTURING SCOPE

- Ball Valves
- Gate Valves
- Globe Valves
- Check Valves
- Butterfly Valves
- TMBV
- Top Entry Ball Valves
- Quick closing Valves
- SDNR/SDSL Valves
- High pressure Valves
- Jacketed Ball Valves
- Flush Bottom Ball Valves
- Ball type check Valves
- Foot Valves
- Sight Glass
- Strainers
- Wafer type Ball Valves
- Actuated Automated Valves
- Custom made Valves

MARKETS/APPLICATIONS

- Chemical/Process/Steel Industry
- Power
- Marine Industry
- Paint Industry
- Pharmaceutical
- Brewery/Distillery
- Offshore/Onshore
- Oil & Gas
- Boiler Industry
- Food Industry
- Power Industry
- Defence
- Water Treatment

What makes us Best

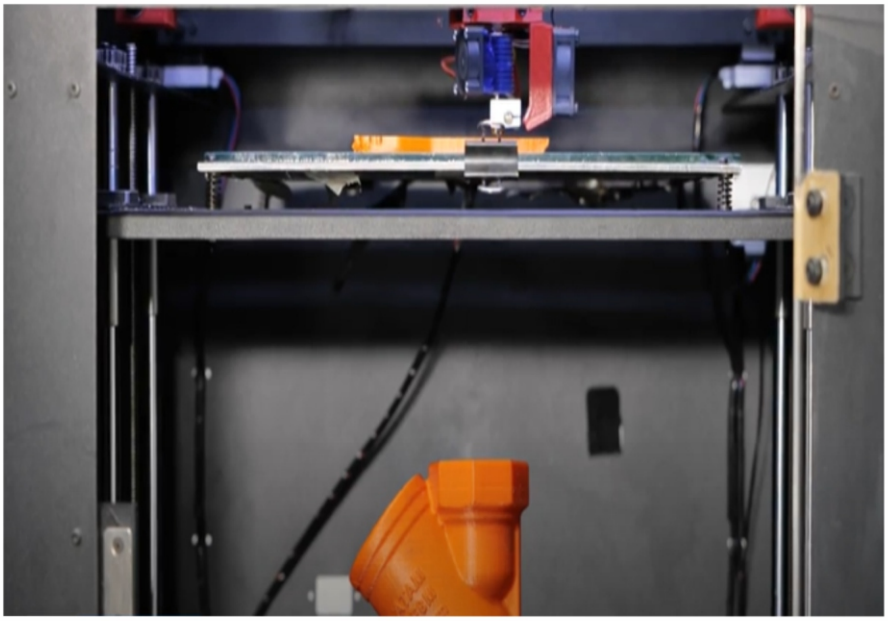
- A leading valve manufacturer of India
- State-of-the-art facility
- Expertise in delivering intricate specifications
- Industry-specific customisation & automations
- Stock logistics for fast track delivery
- Client support at every stage

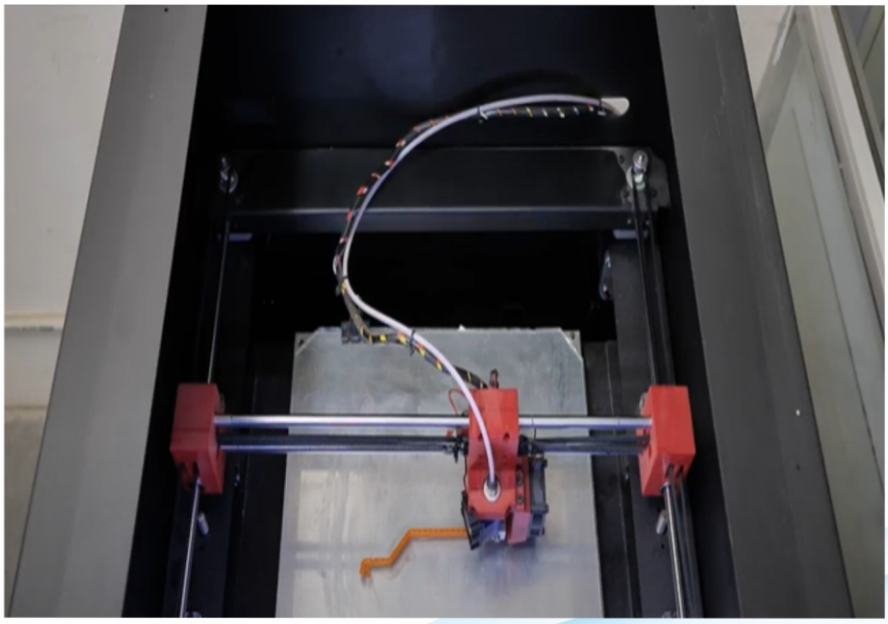
DESIGNS & DEVELOPMENT

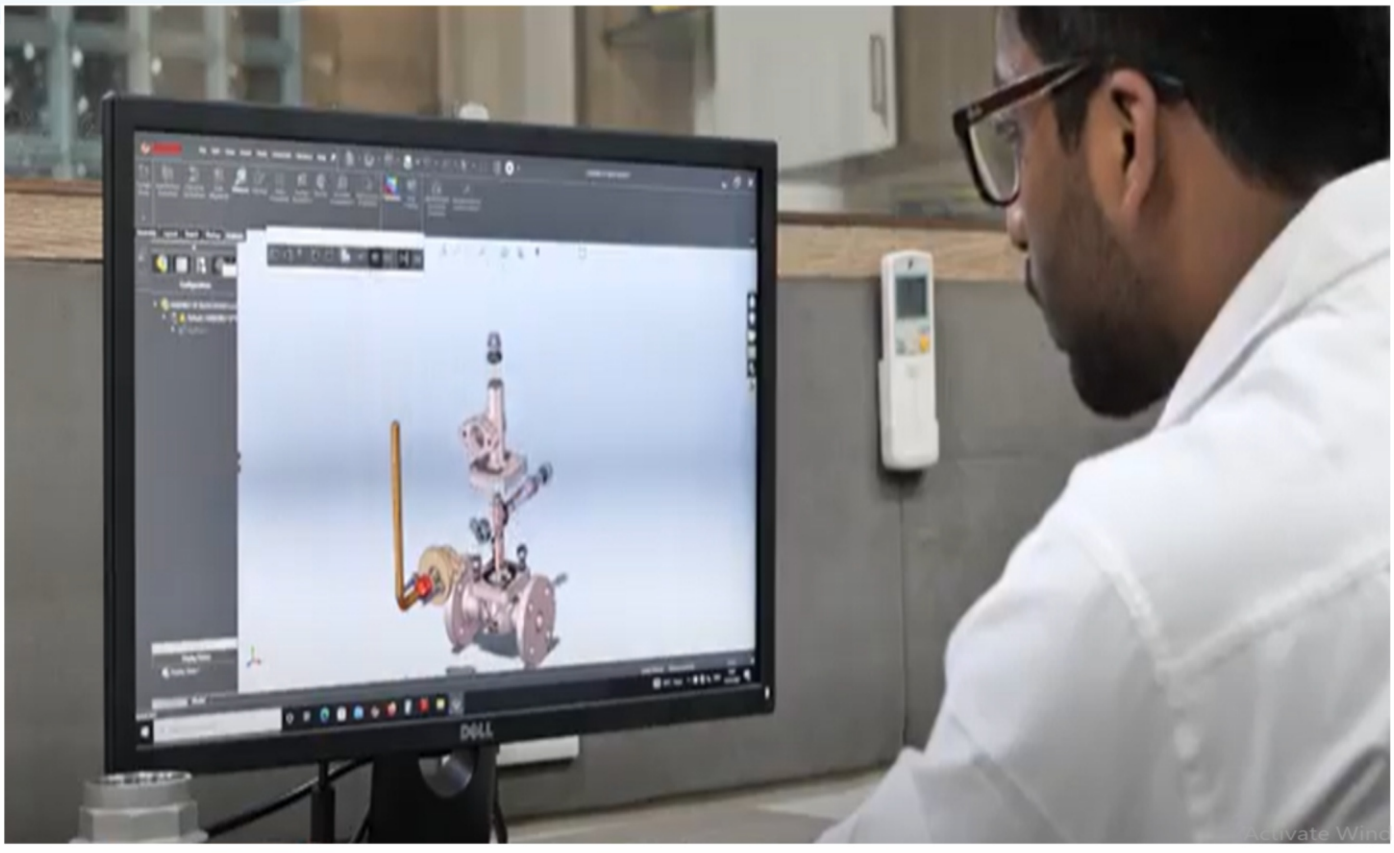
All products from ATAM VALVES are designed for highly critical and severe service applications. They are manufactured in strict accordance with international standards used by industries worldwide, such as ISO, API, NACE, ASME, ASTM, MSS-SP, BS, EN, DIN, and DME 463. Our engineering team consistently monitors updates to all these standards and incorporates any applicable changes that affect the design, regulation, and performance of our products.

Our designs are developed using the most advanced technology available today. We utilize industry -leading tools such as Solid-Works, AutoCAD, Ansys, and UG NX system programs to ensure the proper and effective long-term performance of our products in use.

From conception to calculation to detailed manufacturing drawings, the entire CAD-to-CAM chain is integrated. ATAM VALVES is a leader in the development of innovative products that meet the specific needs of end-use industries.






DELL


ATAM
VALVES

QUALITY CONTROL PROCESS & EQUIPMENT

To ensure that Atam Valves products consistently meet international quality standards, we employ a comprehensive range of in-house equipment for precise monitoring and control. Our quality assurance system is supported by the following advanced technologies:

1. X-ray Radiographic Testing (RT):
   This state-of-the-art technology enables us to examine the internal structure of our products, ensuring integrity, durability, and reliability.
2. Positive Material Identification (PMI):
   Using our advanced PMI machine, we verify the exact composition and quality of materials utilized in our valves, ensuring compliance with strict specifications.
3. Magnetic Particle Inspection (MPI):
   By applying magnetic fields and iron particles, we meticulously detect any surface or subsurface defects, guaranteeing flawless product performance.
4. Penetrant Testing (PT):
   Through this detailed inspection method, we identify even the smallest discontinuities or cracks, leaving no room for compromise in quality.

TESTING FACILITIES

Safety is our top priority. All pressure testing is conducted with strict precautions to ensure a safe and secure process.

Our test beds feature state-of-the-art computerized data logging systems, enabling continuous monitoring and detailed performance analysis.

Specially designed valve test benches deliver maximum efficiency and operator safety. This commitment to excellence is recognized and valued by clients and third-party inspectors who regularly visit our facilities.


HYDROTHRUST
TEST UNIT FOR CHECK & BUTTERFLY VALVES

MACHINERY FACILITIES

Our in-house machining facility is equipped to handle a wide range of valve components, manufactured from materials including Carbon Steel, Stainless Steel, Duplex Alloys, Nickel Alloys, Bronze and Nickel-Aluminium Bronzes. With years of expertise and continuous investment in advanced equipment, we remain at the forefront of valve machining technology.

To power our operations, we utilize Computer-Aided Manufacturing (CAM) technology alongside advanced CNC programming methodologies. This ensures exceptional productivity, optimized cycle times, and streamlined setups—delivering efficiency without compromising quality.

From input data to program generation, manufacturing documentation, and virtual machining, every stage is executed with precision. These efforts guarantee that Atam Valves achieves higher production rates while consistently meeting the exacting standards demanded by the supercritical industries we serve.


Marshall
ATAM
VALVES

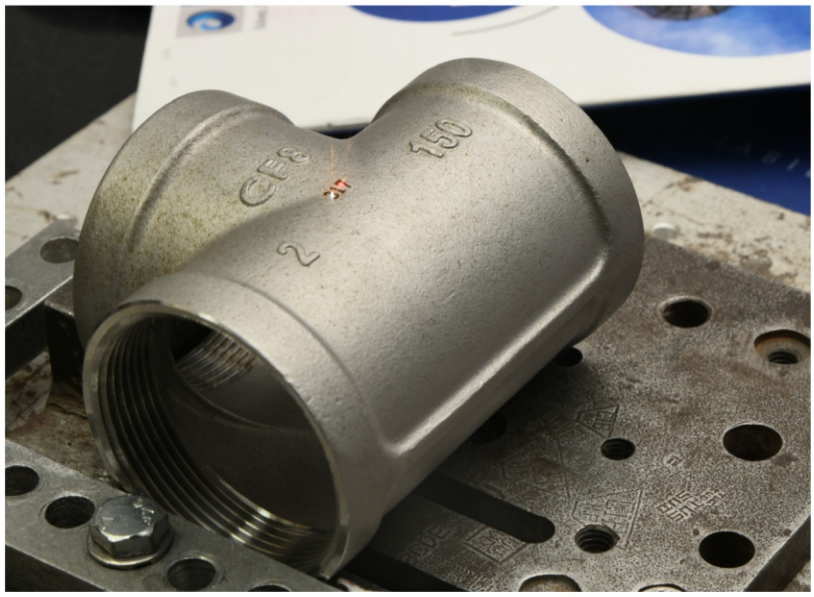
MARKING | TAGGING | PACKING

Marking
All valves are marked in accordance with MSS SP 25 standards, with customer-specific requirements incorporated when applicable. We use high-grade Stainless Steel 316 (or higher) labels, precision-etched with state-of-the-art computerized laser equipment to ensure durability and clarity.

Tagging
Every valve is fitted with a unique tag number, stamped onto premium Stainless Steel 316 tags. These are securely fastened with stainless steel wire or rivets, ensuring reliable identification and full traceability throughout the product lifecycle.

Packing
We take complete responsibility for ensuring all products are packed to safeguard integrity during transit. Machined surfaces are protected with wooden coverings and anti-corrosion sealing. Sensitive components are carefully removed and packed separately. Our procedures strictly follow approved standards, guaranteeing maximum protection.

Transparency
Each package includes a securely affixed waterproof packing list, both inside and outside the box, in full compliance with customer requirements for organization and accountability.



CERTIFICATES

QUALITY MANAGEMENT SYSTEM

Certificate of Registration

This is to Certify That The Quality Management System of

ATAM VALVES LIMITED

HEAD OFFICE & UNIT-1: 1051, OUTSIDE INDUSTRIAL AREA, JALANDHAR CITY - 144004, PUNJAB, INDIA

UNIT-2: VILLAGE SHIVPUR P.O. MUBARIKPUR, TEH. AMB, DISTT. UNA, GAGRET - 177202, HIMACHAL PRADESH, INDIA

has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope :

DESIGN, MANUFACTURING AND SUPPLY OF PIPELINE VALVES I.E GATE VALVES, GLOBE VALVES, CHECK VALVES, BUTTERFLY VALVES, BALL VALVES AND OTHER RELATED VALVES.

Certificate No	25DQPL39		
Initial Registration Date	: 04/09/2025	Issuance Date	: 04/09/2025
Date of Expiry*	: 03/09/2028		
1st Surve. Due	: 04/08/2026	2nd Surve. Due	: 04/08/2027

DIRECTOR

ROHS Certification Pvt. Ltd.

CB-QMS-455

ENVIRONMENTAL MANAGEMENT SYSTEM

Certificate of Registration

This is to Certify That The Environmental Management System of

ATAM VALVES LIMITED

HEAD OFFICE & UNIT-1: 1051, OUTSIDE INDUSTRIAL AREA, JALANDHAR CITY - 144004, PUNJAB, INDIA

UNIT-2: VILLAGE SHIVPUR P.O. MUBARIKPUR, TEH. AMB, DISTT. UNA, GAGRET - 177202, HIMACHAL PRADESH, INDIA

has been assessed and found to conform to the requirements of

ISO 14001:2015

for the following scope :

DESIGN, MANUFACTURING AND SUPPLY OF PIPELINE VALVES I.E GATE VALVES, GLOBE VALVES, CHECK VALVES, BUTTERFLY VALVES, BALL VALVES AND OTHER RELATED VALVES.

Certificate No	25DEP022		
Initial Registration Date	: 04/09/2025	Issuance Date	: 04/09/2025
Date of Expiry*	: 03/09/2028		
1st Surve. Due	: 04/08/2026	2nd Surve. Due	: 04/08/2027

DIRECTOR

ROHS Certification Pvt. Ltd.

CB-EMS-455

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

Certificate of Registration

This is to Certify That
The Occupational Health & Safety Management System of

ATAM VALVES LIMITED

HEAD OFFICE & UNIT-1: 1051, OUTSIDE INDUSTRIAL AREA, JALANDHAR CITY - 144004, PUNJAB, INDIA

UNIT 2 :- TEHSIL AMB, P.O. MUBARIKPUR, VILLAGE SHIVPUR, SHIV PUR, UNA-177202, HIMACHAL PRADESH, INDIA

has been assessed and found to conform to the requirements of

ISO 45001:2018

for the following scope :

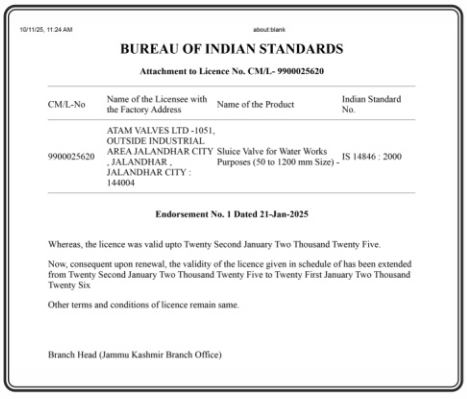
DESIGN, MANUFACTURING AND SUPPLY OF PIPELINE VALVES I.E GATE VALVES, GLOBE VALVES, CHECK VALVES, BUTTERFLY VALVES, BALL VALVES AND OTHER RELATED VALVES.

Certificate No	25DOPT31		
Initial Registration Date	: 04/09/2025	Issuance Date	: 04/09/2025
Date of Expiry*	: 03/09/2028		
1st Surve. Due	: 04/08/2026	2nd Surve. Due	: 04/08/2027

DIRECTOR

ROHS Certification Pvt. Ltd.

CB-OHSMS-455



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BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 9900025620

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
9900025620	ATAM VALVES LTD -1051, OUTSIDE INDUSTRIAL AREA JALANDHAR CITY , JALANDHAR , JALANDHAR CITY : 144004	Sluice Valve for Water Works Purposes (50 to 1200 mm Size) -	IS 14846 : 2000

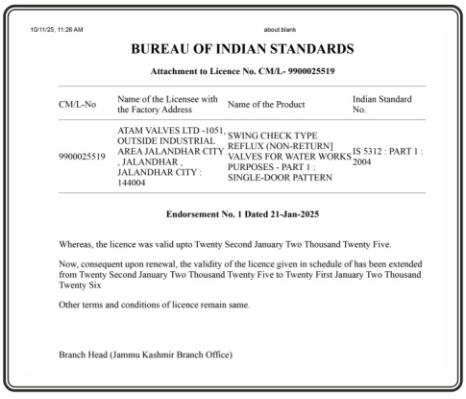
Endorsement No. 1 Dated 21-Jan-2025

Whereas, the licence was valid upto Twenty Second January Two Thousand Twenty Five.

Now, consequent upon renewal, the validity of the licence given in schedule of has been extended from Twenty Second January Two Thousand Twenty Five to Twenty First January Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Jammu Kashmir Branch Office)



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BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 9900025519

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
9900025519	ATAM VALVES LTD -1051, OUTSIDE INDUSTRIAL AREA JALANDHAR CITY , JALANDHAR , JALANDHAR CITY : 144004	SWING CHECK TYPE REFLUX (NON-RETURN] VALVES FOR WATER WORKS PURPOSES - PART 1 : SINGLE-DOOR PATTERN	IS 5312 : PART 1 : 2004

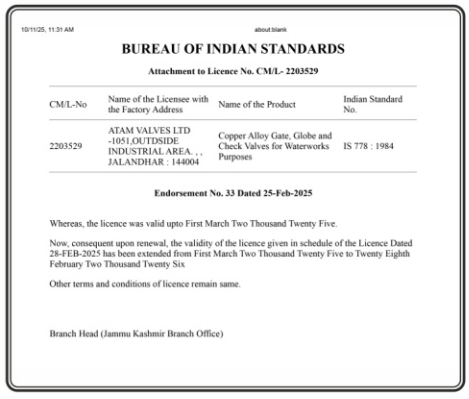
Endorsement No. 1 Dated 21-Jan-2025

Whereas, the licence was valid upto Twenty Second January Two Thousand Twenty Five.

Now, consequent upon renewal, the validity of the licence given in schedule of has been extended from Twenty Second January Two Thousand Twenty Five to Twenty First January Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Jammu Kashmir Branch Office)



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BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 2203529

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
2203529	ATAM VALVES LTD -1051,OUTDSIDE INDUSTRIAL AREA. , , JALANDHAR : 144004	Copper Alloy Gate, Globe and Check Valves for Waterworks Purposes	IS 778 : 1984

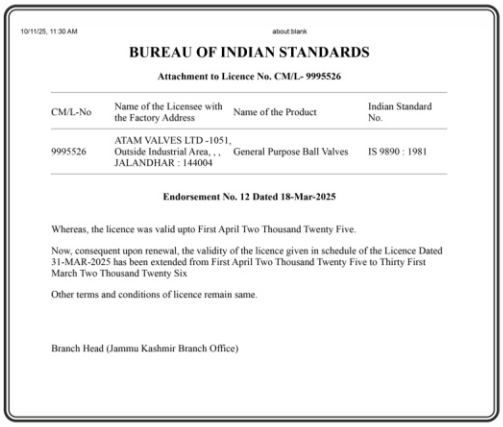
Endorsement No. 33 Dated 25-Feb-2025

Whereas, the licence was valid upto First March Two Thousand Twenty Five.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 28-FEB-2025 has been extended from First March Two Thousand Twenty Five to Twenty Eighth February Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Jammu Kashmir Branch Office)



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BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 9995526

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
9995526	ATAM VALVES LTD -1051, Outside Industrial Area, , , JALANDHAR : 144004	General Purpose Ball Valves	IS 9890 : 1981

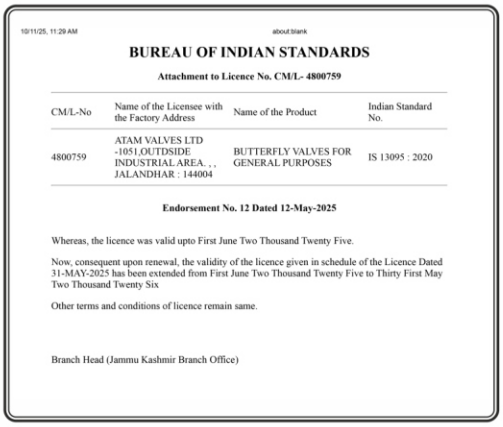
Endorsement No. 12 Dated 18-Mar-2025

Whereas, the licence was valid upto First April Two Thousand Twenty Five.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 31-MAR-2025 has been extended from First April Two Thousand Twenty Five to Thirty First March Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Jammu Kashmir Branch Office)



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BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 4800759

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
4800759	ATAM VALVES LTD -1051,OUTDSIDE INDUSTRIAL AREA. , , JALANDHAR : 144004	BUTTERFLY VALVES FOR GENERAL PURPOSES	IS 13095 : 2020

Endorsement No. 12 Dated 12-May-2025

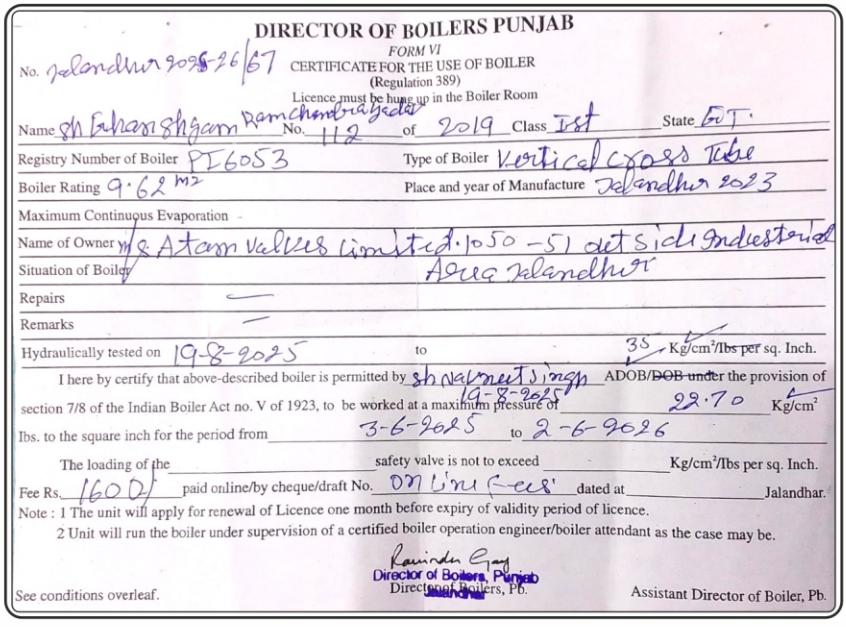
Whereas, the licence was valid upto First June Two Thousand Twenty Five.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 31-MAY-2025 has been extended from First June Two Thousand Twenty Five to Thirty First May Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Jammu Kashmir Branch Office)

WE ARE IBR APPROVED



DIRECTOR OF BOILERS PUNJAB

FORM VI

No. Jalandhar 9098-26/67 CERTIFICATE FOR THE USE OF BOILER

(Regulation 389)

Licence must be hung up in the Boiler Room

Name Sh Baharishgam Ramchandra & Co. No. 112 of 2019 Class 1st State GJT.

Registry Number of Boiler PI6053 Type of Boiler Vertical Cross Tube

Boiler Rating 9.62 M2 Place and year of Manufacture Jalandhar 2023

Maximum Continuous Evaporation

Name of Owner M/s Atam Valves Limited. 1050-51 Ind Sidhi Industrial

Situation of Boiler Area Jalandhar

Repairs —

Remarks —

Hydraulically tested on 19-8-2025 to 35 Kg/cm²/lbs per sq. Inch.

I here by certify that above-described boiler is permitted by Sh Balwant Singh 19-8-2025 ADOB/~~DOB~~ under the provision of section 7/8 of the Indian Boiler Act no. V of 1923, to be worked at a maximum pressure of 22.70 Kg/cm² lbs. to the square inch for the period from 3-6-2025 to 2-6-2026

The loading of the _____ safety valve is not to exceed _____ Kg/cm²/lbs per sq. Inch.

Fee Rs. 1600/- paid online/by cheque/draft No. On Line Fees dated at _____ Jalandhar.

Note : 1 The unit will apply for renewal of Licence one month before expiry of validity period of licence.

2 Unit will run the boiler under supervision of a certified boiler operation engineer/boiler attendant as the case may be.

Ravinder Garg
Director of Boilers, Punjab
Jalandhar

See conditions overleaf. Director of Boilers, Pb. Assistant Director of Boiler, Pb.

IBR Approved

Gate Valve

IBR Approved

Cast Steel Gate Valve with Fixed Handwheel and Rising Stem
(OS&Y - Outside Screw and Yoke)

Stern Nut, replaceble in line.

Rising stem with precision ACME double thread for quick operation.

Stern-Gate connection designed so that under severe applied loads (stuck gate), the stern will fail outside of the stuffing box pressure boundary.

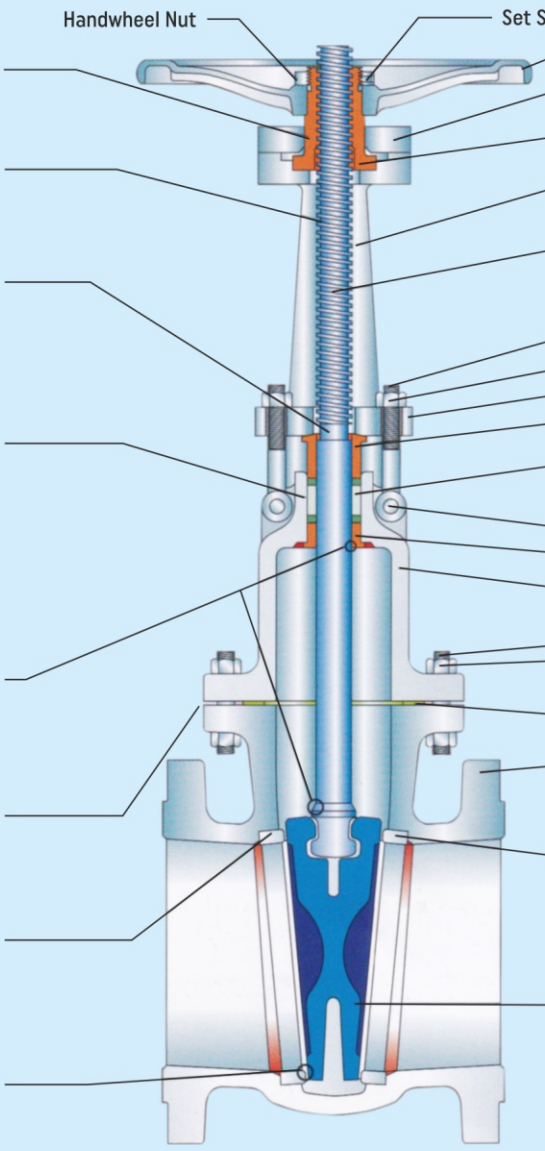
Stern Packing is designed for optimum control of fugitive emission leakage rate is assured by the fine finishing on the stem sealing area, the reduced diametrical clearances and the stern straightness control.

Backseat, designed to relieve back pressure on the stem packing when fully seated. Replacing stem packing under pressure is not recommended.

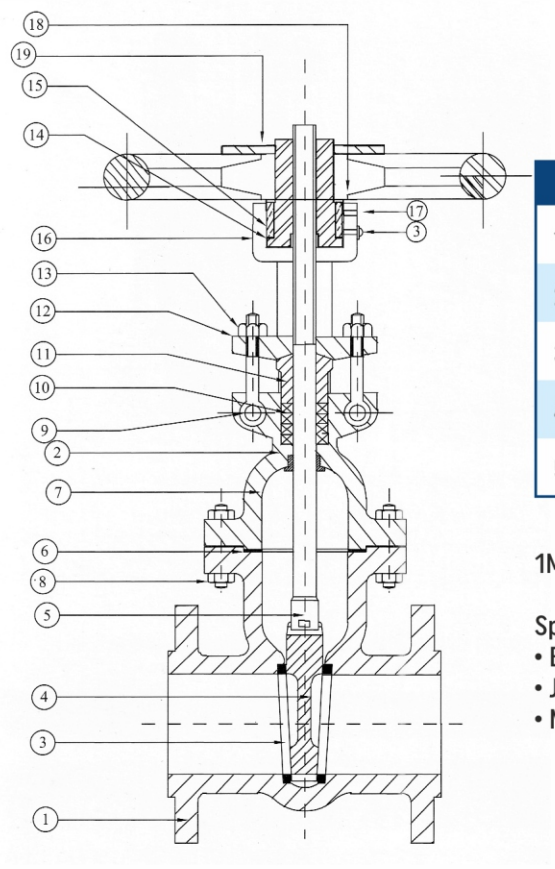
Body-to-Bonnet joint designed to apply a uniform load to the gasket to assure a leak proof seal.

Seat rings are threaded/seal welded to provided a bubble tight joint.

Stellited Seat Rings provide increased resistance to wear, abrasion and erosion of the sealing surfaces.



Gate Valve



TEST PRESSURE			
1. Pressure Grade	Grade 150	Grade 300	Grade 600
2. Shell Test Pressure	3.0MPa	7.5MPa	16.5MPa
3. Sealing Test Pressure	2.2MPa	5.5MPa	12.1MPa
4. Back Sealing Pressure	2.2MPa	5.5MPa	12.1MPa
5. Sealing Air Pressure	0.8MPa	0.8MPa	0.8MPa

1MPa = 10Bar

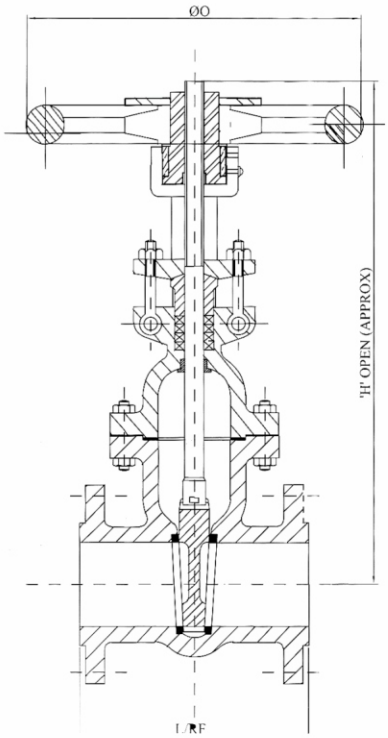
Special Features :
- Bypass Arrangement
- Jacketed
- Motorized / Actuator

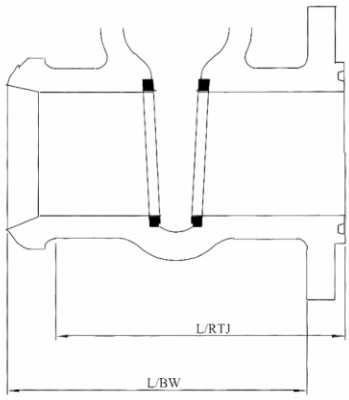
Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	A 216 G R WCB	ASTM A351 CF8	ASTM A351 CF8M
2	BONNET	A 216 G R WCB	ASTM A351 CF8	ASTM A351 CF8M
3	SEAT RING	A216 WCB + 13%Cr	ASTM A351 CF8	ASTM A351 CF8M
4	WEDGE	A216 GR + 13%Cr	ASTM A351 CF8	ASTM A351 CF8M
5	SPINDLE	A 276 TP 410	A 276 TP 304	A 276 TP 316
6	GASKET	CAF/SOFT IRON	SS304 SPIRAL WOUND/PTFE	SS316 SPIRAL WOUND/PTFE
7	BACK SEAT BUSH	A 276 TP 410	ASTM A351 CF8	ASTM A351 CF8M
8	BODY BONNET S & N	ASTM A 193 GR B7/A 194 GR 2 H	ASTM A 193 GR B8/A 194 GR 8	ASTM A 193 GR B8M/A 194 GR 8M
9	CROSS BOLT & NUT	ASTM A 193 GR B7/A 194 GR 2 H	ASTM A 193 GR B8/A 194 GR 8	ASTM A 193 GR B8M/A 194 GR 8M
10	GLAND PACKING	BRAIDED ASBESTOS WITH REINFORCE WIRE	GRAPHITE/PTFE ROPE	GRAPHITE/PTFE ROPE
11	GLAND	A 276 TP 410	A 276 TP 304	A 276 TP 316
12	GLAND FLANGE	A 216 WCB	ASTM A 351 CF8	ASTM A 351 CF8M
13	EYE BOLT & NUT	ATSM A 193 GR B7/194 GR 2H	ATSM A 193 GR B8/A194 GR 8	ATSM A 193 GR B8M/A194 GR 8M
14	YOKE SLEEVE	S G IRON / ASTM A439 D2C	S G IRON / ASTM A439 D2C	S G IRON / ASTM A439 D2C
15	YOKE NUT	C S	C S	C S
16	GRUB SCREW	STEEL	STEEL	STEEL
17	NIPPLE	STEEL	STEEL	STEEL
18	HAND WHEEL	C.I/M.I/CS	C.I/M.I/CS	C.I/M.I/CS
19	HAND WHEEL NUT	C S	C S	C S

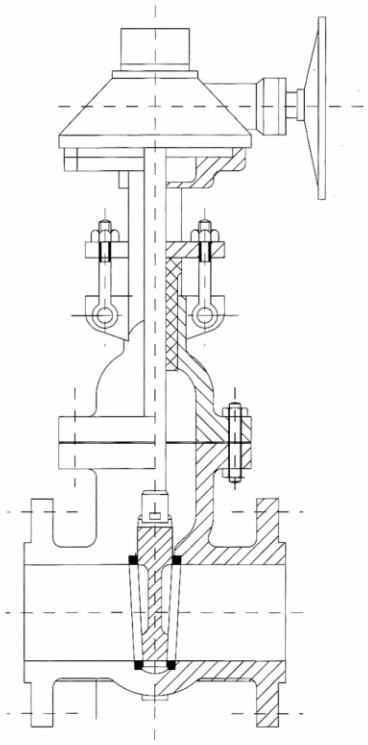
*Also Available in LCB, HIGH ALLOY STEEL and any special material, Hastalloy 'B' & 'C', Monel Stellite Facing and any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Dimensions





Bolt Weld & RTJ



Gear Box Arrangement

CLASS 150																	
SIZE NPS (Inch)			1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (MM)			25	40	50	65	80	100	150	200	250	300	350	400	450	500	600
L	RF	MM	127	165	178	190	203	229	267	292	330	356	381	406	432	457	508
L	BW	MM	-	-	216	241	282	305	403	419	457	502	572	610	660	711	813
L	RTJ	MM	-	-	191	203	216	242	280	305	343	369	394	419	445	470	521
H	OPEN	MM	210	350	405	435	530	579	770	980	1170	1370	1500	1760	1975	2225	2680
øO		MM	150	150	210	210	230	255	310	380	460	510	560	610	700	700	800
Wt. App		Kg	11	14	18	25	32	52	78	132	205	320	425	508	670	840	1210

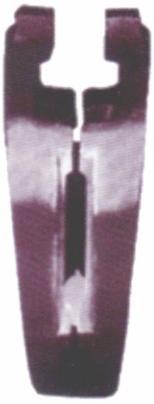
CLASS 300																	
SIZE NPS (Inch)			1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (MM)			25	40	50	65	80	100	150	200	250	300	350	400	450	500	600
L	RF/BW	MM	165	190	216	241	282	305	403	419	457	502	762	838	432	457	508
L	RTJ	MM	-	-	232	257	298	321	419	435	473	518	778	854	930	1010	1165
H	OPEN	MM	220	360	410	490	510	590	835	1020	1260	1470	1660	1840	2025	2295	3040
øO		MM	150	150	210	210	230	255	380	460	510	560	610	700	700	800	1100
Wt. App		Kg	15	22	28	37	43	72	128	210	355	450	760	980	1265	1825	2425

CLASS 600																	
SIZE NPS (Inch)			1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (MM)			25	40	50	65	80	100	150	200	250	300	350	400	450	500	600
L	RF/BW	MM	216	242	292	330	356	432	559	660	787	838	889	991	1092	1194	1397
L	RTJ	MM	-	-	295	333	359	435	562	663	790	841	892	994	1095	1200	1407
H	OPEN	MM	230	360	415	510	540	640	910	1330	1415	1740	1760	1885	2135	2370	2800
øO		MM	160	216	216	216	230	255	310	380	460	510	560	610	700	700	800
Wt. App		Kg	20	29	35	48	60	110	210	360	685	970	1239	1840	2380	2710	4190

Gate (Disc) Designs

Atam valves are available with an option of flexible wedges and solid wedges to meet customer requirements.

Flexible Wedge Characteristics



- Provides resistance to possible wedge/seat sticking from high temperature to low temperature fluctuations by compensating for the resulting small body/seat movement.
- Facilitates seating and sealing and assures a long wear life.
- Susceptible to build up when used with fluids having a high solid content.

Solid Wedge Characteristics


- More susceptible to wedge/seat "sticking" and difficulty in opening when closed hot and allowed to cool due to the resulting small body/seat movement.
- Less able to compensate for the normal wedge/seat wear over the long term.
- Will handle fluids with a high solid content without difficulty.

Globe Valve

IBR Approved

Cast Steel Globe Valve with Rising Handwheel and Stem

Impactor, Hadwheel, the mechanism is based on transmitted the momentum generated but the mass of the handwheel through the impact/impulse generated during the snap closure action of the handwheel. This type of handwheel is used when a standard handwheel cannot create enough closing force to effect a seal.

Stem Nut replaceable in the line.

Revolving rising stem with precision ACME thread.

Stem packin g is designed for optimum control of fugitive emissions leakage to the atmosphere. The ultra low emission leakage rate is assured by the tine finish in the stem, the reduced diametrical clearances and the stem straightness control.

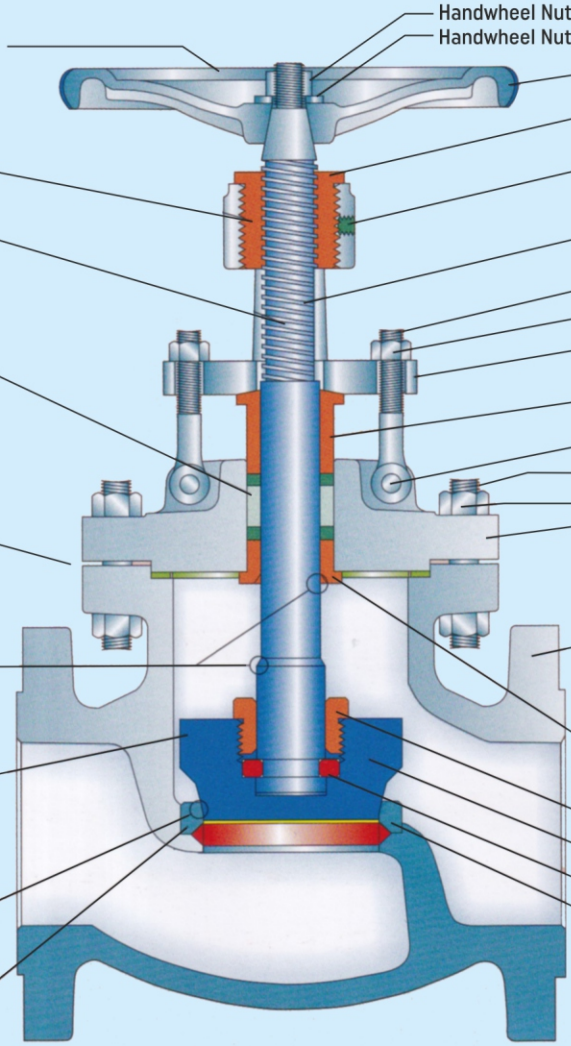
Body-to-Bonnet Joint designed to apply a uniform load to the gasket to assure a leak proof seal.

Backseat designed to relieve back pressure on the stem packing when fully seated. Replacing stem packing under pressure is not recommended.

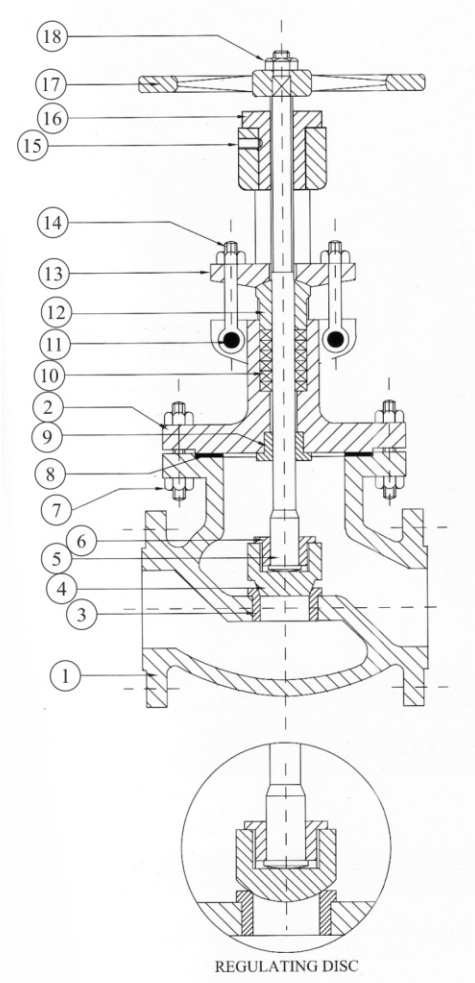
Conical Disc, integrally guided to assure true alignment between disc and valve body. The loose disc design allows the disc and seat rising sealing surface to seat correctly without damage.

Stellited Seat Ring, providing increased resistance to wear, abrasion and erosion of the sealing surface.

Seat rings are threaded/seal welded to provided a bubble tight joint.



Globe Valve



Design Standards
1. Design and Manufacture Standards BS 1873
2. Material Pressure - Temp Standards ASME B16.34
3. End-to-End Dimensions ASME B 16.10
4. Flange Ends Dimensions ASME B 16.5
5. Test Standards BS EN 12266

TEST PRESSURE			
1. Pressure Grade	Grade 150	Grade 300	Grade 600
2. Shell Test Pressure	3.0MPa	7.5MPa	16.5MPa
3. Sealing Test Pressure	2.2MPa	5.5MPa	12.1MPa
4. Back Sealing Pressure	2.2MPa	5.5MPa	12.1MPa
5. Sealing Air Pressure	0.8MPa	0.8MPa	0.8MPa

1MPa = 10Bar

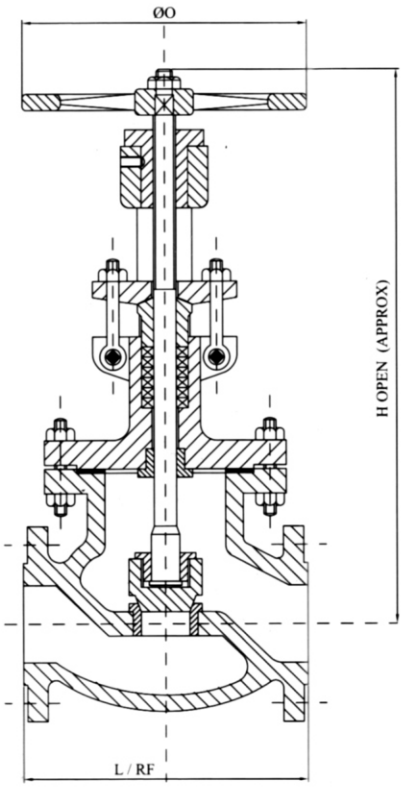
Special Features :
- Bypass Arrangement
- Jacketed
- Motorized / Actuator
- Gear Box

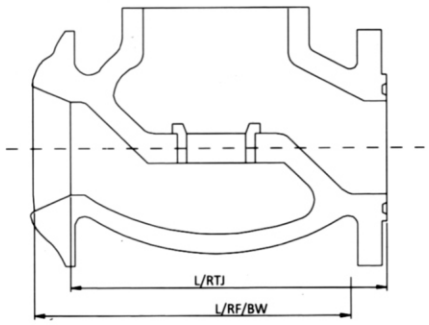
Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 216 WCB.	ASTM A 351 CF8	ASTM A351 CF8M
2	BONNET	ASTM A 216 WCB.	ASTM A 351 CF8	ASTM A351 CF8M
3	SEAT RING	ASTM A 216 + 13%CR	ASTM A 351 CF8	ASTM A351 CF8M
4	PLUG	ASTM A 216 + 13%CR	ASTM A 351 CF8	ASTM A351 CF8M
5	SPINDLE	A 276 TP 410	A 276 TP 304	A 276 TP 316
6	PLUG NUT	CS	A 276 TP 304	A 276 TP 316
7	STUD AND NUT	ASTM A 193 GR B7 & A194 GR 2H	ASTM A 193 GR B8/A 194 GR 8	ASTM A 193 GR B8M/A 194 GR 8M
8	GASKET	CAF	SS SPIRAL WOUND / PTFE.	SS SPIRAL WOUND / PTFE.
9	BACK SEAT	A 276 TP 410	A 276 TP 304	A 276 TP 316
10	GLAND PACKING	GRAPHITE ASBESTOS.	PTFE ROPE	PTFE ROPE
11	CROSS BOLT	ASTM A 193 GR B7 & A194 GR 2H	ASTM A 193 GR B8/A 194 GR 8	ASTM A 193 GR B8M/A 194 GR 8M
12	GLAND	A 276 TP 410	A 276 TP 304	A 276 TP 316
13	GLAND FLANGE	ASTM A 216 WCB.	ATSM A 351 CF8.	ATSM A 351 CF8M.
14	EYE BOLT AND NUT	ASTM A 193 GR B7 & A194 GR 2H	ASTM A 193 GR B8/A 194 GR 8	ASTM A 193 GR B8/A 194 GR 8M
15	GRUB SCREW	C S	C S	C S
16	YOKE SLEEVE	SG IRON/ASTM A 439 D2.	SG IRON/ASTM A 439 D2.	SG IRON/ASTM A 439 D2C.
17	HAND WHEEL	M.I / C.I	M.I / C.I	M.I / C.I
18	HAND WHEEL NUT	CS	CS	CS

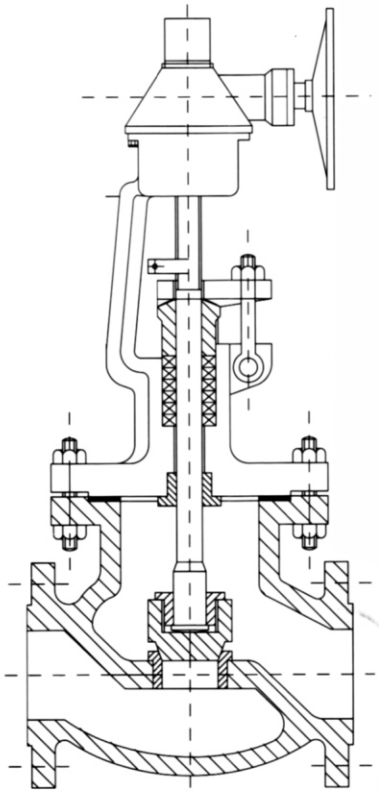
*Also Available in LCB, HIGH ALLOY STEEL and any special material, Hastalloy 'B' & 'C', Monel Stellite Facing
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Dimensions





Bolt Weld & RTJ


Gear Box Arrangement

CLASS 150											
SIZE NPS (Inch)			1	1 1/2	2	2 1/2	3	4	6	8	10	12
SIZE DN (MM)			25	40	50	65	80	100	150	200	250	300
L	RF/BW	MM	127	165	203	216	241	292	406	495	622	698
L	RTJ	MM	-	-	216	229	254	305	419	508	635	711
H	OPEN	MM	267	280	310	345	390	460	590	720	834	930
øO		MM	150	150	230	230	254	350	458	560	565	710
Wt. App		Kg	9	12	18	25	32	52	78	132	205	320

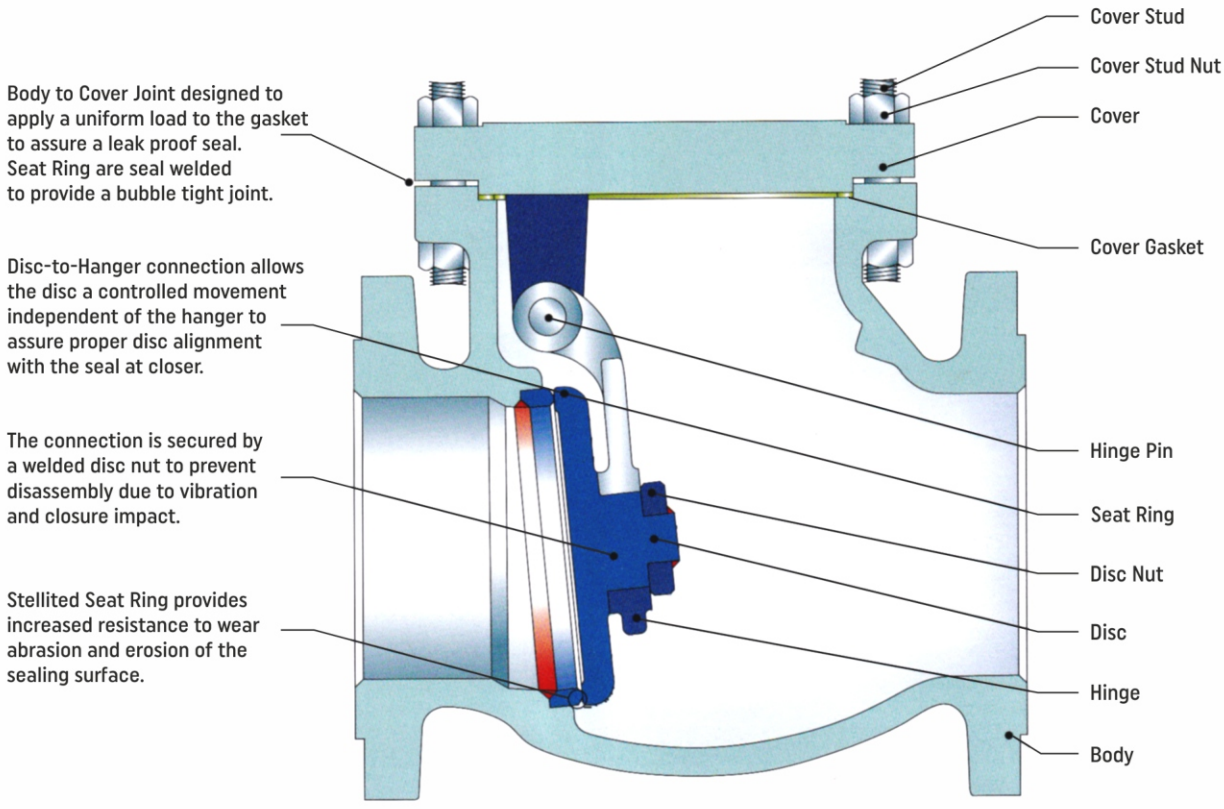
CLASS 300											
SIZE NPS (Inch)			1	1 1/2	2	2 1/2	3	4	6	8	10	12
SIZE DN (MM)			25	40	50	65	80	100	150	200	250	300
L	RF/BW	MM	203	229	267	292	318	356	444	559	622	711
L	RTJ	MM	-	-	283	308	334	372	460	575	638	727
H	OPEN	MM	270	284	379	428	525	618	746	875	955	1050
øO		MM	150	200	255	350	350	458	560	620	700	700
Wt. App		Kg	12	21	28	42	56	110	158	285	375	520

CLASS 600										
SIZE NPS (Inch)			1	1 1/2	2	2 1/2	3	4	6	8	10
SIZE DN (MM)			25	40	50	65	80	100	150	200	250
L	RF/BW	MM	216	242	292	330	356	432	559	660	787
L	RTJ	MM	-	-	295	333	359	435	562	663	790
H	OPEN	MM	200	300	385	430	535	625	850	930	1135
øO		MM	205	254	350	350	485	560	620	70	700
Wt. App		Kg	18	32	41	63	71	110	240	435	665

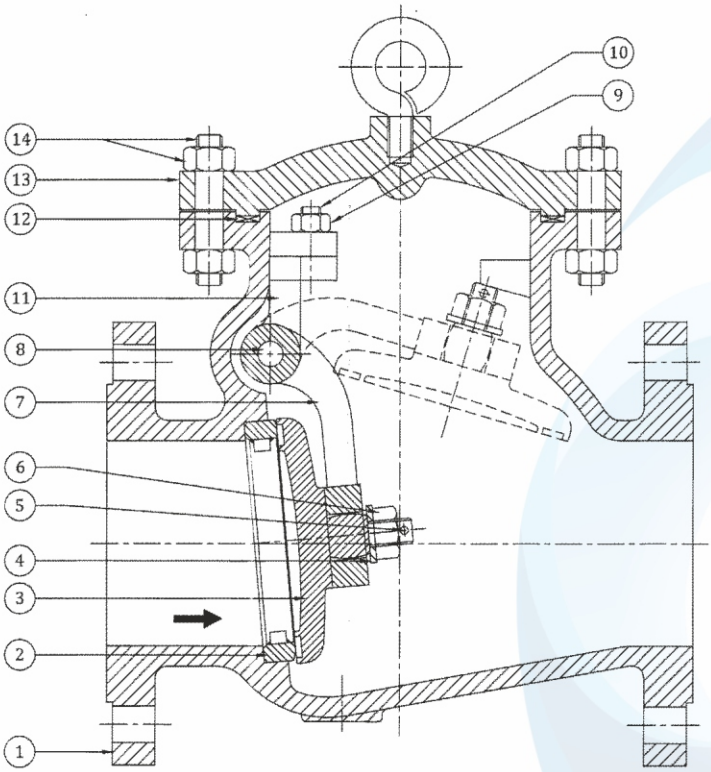
Bolted Cover Swing Check Valve

IBR Approved

Cast Steel Swing Check Valve



Swing Check Valve



Design Standards
1. Design and Manufacture Standards BS 1868
2. Material Pressure - Temp Standards ANSI B16.34
3. End-to-End Dimensions ANSI B 16.10
4. Flange Ends Dimensions ANSI B 16.5
5. Test Standards BS EN 12266

TEST PRESSURE			
1. Pressure Grade	Grade 150	Grade 300	Grade 600
2. Shell Test Pressure	3.0MPa	7.5MPa	16.5MPa
3. Sealing Test Pressure	2.2MPa	5.5MPa	12.1MPa

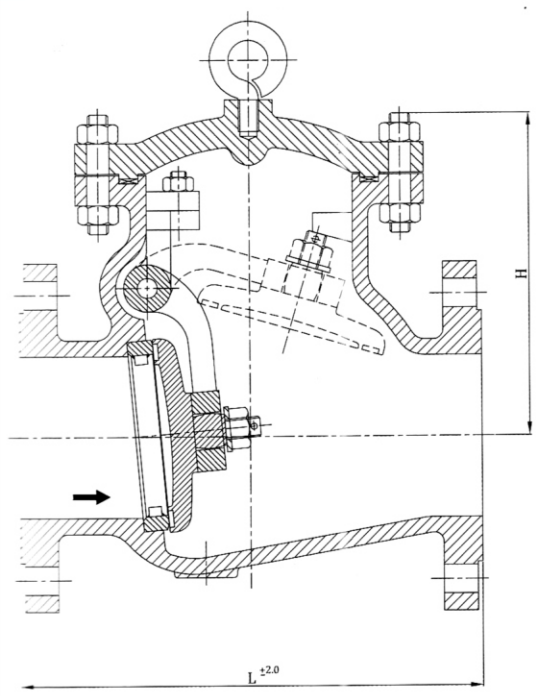
1MPa = 10Bar

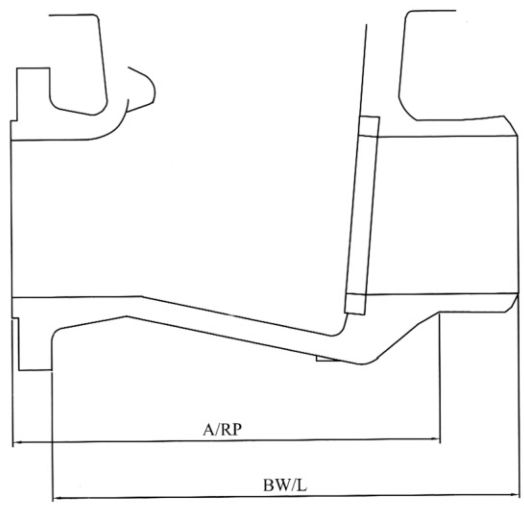
Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 216 WCB.	ASTM A 351 CF8	ASTM A351 CF8M
2	SEAT RING	ASTM A 216 WCB + 13%Cr	ASTM A 351 CF8	ASTM A351 CF8M
3	DISC	ASTM A 216 WCB + 13%Cr	ASTM A 351 CF8	ASTM A351 CF8
4	WASHER	A 276 TP 410	A 276 TP 304	A 276 TP 316
5	SPLIT PIN	A 276 TP 410	A 276 TP 304	A 276 TP 316
6	DISC NUT	A 276 TP 410	A 276 TP 304	A 276 TP 316
7	HINGE	A 276 TP 410	A 276 TP 304	A 276 TP 316
8	HINGE PIN	A 276 TP 410	A 276 TP 304	A 276 TP 316
9	LOCK NUT	A 276 TP 410	A 276 TP 304	A 276 TP 316
10	BRACKET STUD	A 276 TP 410	A 276 TP 304	A 276 TP 316
11	BEARING BRACKET	A 276 TP 410	A 276 TP 304	A 276 TP 316
12	GASKET	CAF/S S SPIRAL WOUND	PTFE/S S SPIRAL WOUND	PTFE/S S SPIRAL WOUND
13	COVER	ASTM A 216 WCB	ATSM A 351 CF8	ATSM A 351 CF8M
14	STUD AND NUT	A 193 GR B7 & 194 GR 2H	A193 GR B8 & 194 GR 8	A193 GR B8 & 194 GR 8M

*Also Available in LCB, HIGH ALLOY STEEL and any special material, Hastalloy 'B' & 'C', Monel Stellite Facing
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Dimensions





Bolt Weld & RTJ

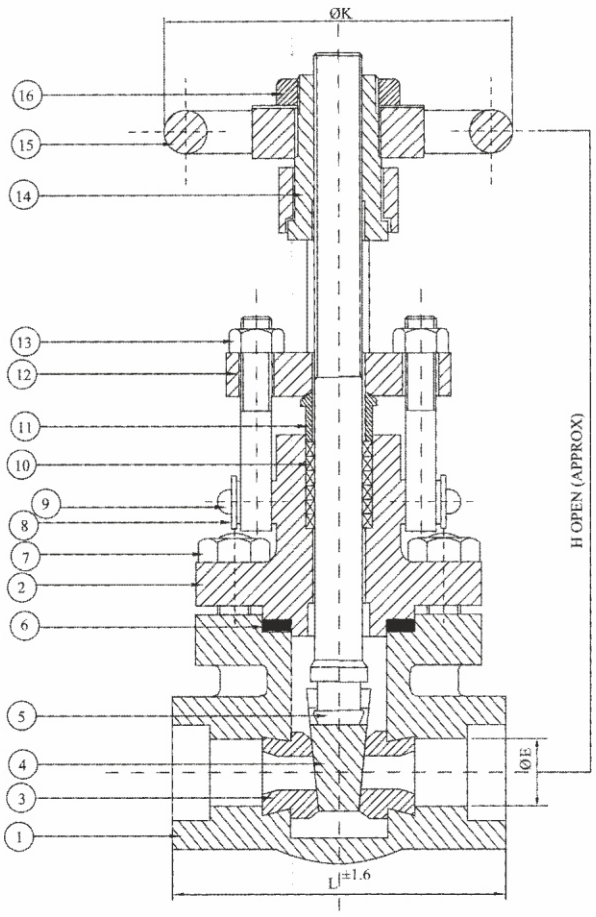
CLASS 150														
SIZE NPS (Inch)			2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (MM)			50	65	80	100	150	200	250	300	350	400	450	500	600
L	RF/BW	MM	203	216	241	292	356	495	622	698	787	864	978	978	1295
L	RTJ	MM	216	229	254	305	369	508	635	711	800	877	991	991	1308
H		MM	137	158	173	208	254	308	335	368	435	512	575	635	735
Wt. App		Kg	15	23	28	46	75	130	240	298	530	615	815	935	1280

CLASS 300														
SIZE NPS (Inch)			2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (MM)			50	65	80	100	150	200	250	300	350	400	450	500	600
L	RF/BW	MM	267	292	318	356	444	533	622	711	838	864	978	1016	1346
L	RTJ	MM	283	308	334	372	460	549	638	727	854	880	994	1035	1368
H		MM	158	175	210	342	292	358	390	450	480	530	610	659	760
Wt. App		Kg	28	37	43	72	128	210	355	450	760	980	1265	1825	2425

CLASS 600														
SIZE NPS (Inch)			2	2 1/2	3	4	6	8	10	12	14	16	18	20
SIZE DN (MM)			50	65	80	100	150	200	250	300	350	400	450	500
L	RF/BW	MM	292	330	356	432	559	660	787	838	889	991	1092	1194
L	RTJ	MM	295	333	359	435	562	663	790	841	892	994	1095	1200
H		MM	415	510	540	640	910	1330	1415	1740	1760	1885	2135	2370
Wt. App		Kg	35	48	62	110	215	390	485	735	895	1095	1830	1985

Bolted Bonnet Forged Gate Valve

IBR Approved



Design Standards
1. Manufacturing Standards BS 5352
2. Testing Standards API 598
3. Socket Weld End as per ASME B 16.11
4. Butt Weld End as per ASME B 16.25
5. Screwed End as per ASME B1.20.1

TEST PRESSURE	
1. Pressure Grade	Class 800
2. Shell Test Pressure	21.1 MPA
3. Sealing Test Pressure	15.5 MPA
4. Back Sealing Pressure	15.5 MPA
5. Sealing Air Pressure	0.8 MPA

1Mpa = 10Bar

FACE TO FACE DIMENSIONS AS PER MANUFACTURING STANDARDS						
Size N.B.	MM	15	20	25	40	50
	INCH	1/2"	3/4"	1"	1 1/2"	2"
L		80	92	104	120	140
H		160	170	190	260	270
øK		85	90	95	150	150
øE		9	12	18	30	36

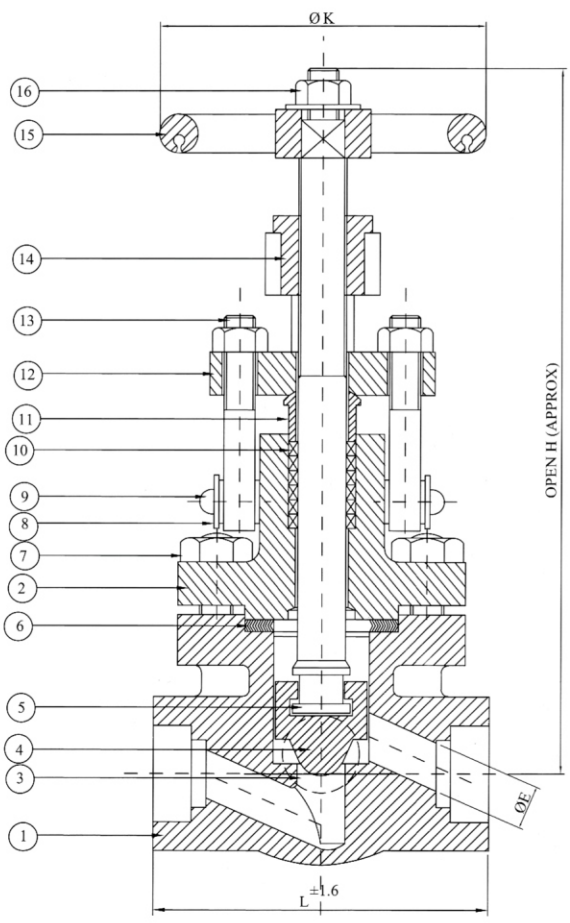
Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 105 FCS	ASTM A 182 GR F 316	ASTM A 182 GR F 304
2	BONNET	ASTM A 105 FCS	ASTM A 182 GR F 316	ASTM A 182 GR F 304
3	SEAT RING	A 276 TP 410	A 276 TP 316	A 276 TP 304
4	WEDGE	A 276 TP 410	A 276 TP 316	A 276 TP 304
5	SPINDLE	A 276 TP 410	A 276 TP 316	A 276 TP 304
6	GASKET	SS 304 SPIRAL WOUND WITH GRAPHITE FILLER	316 SPIRAL WOUND WITH GRAPHITE FILLER	304 SPIRAL WOUND WITH GRAPHITE FILLER
7	STUD / NUT	A 193 GR B7 & A 194 GR 2 H	A 193 GR B7 & A 194 GR 2 H	A 193 GR B7 & A 194 GR 2 H
8	WASHER	STEEL	SS	SS
9	SCREW	STEEL	SS	SS
10	GLAND PACKING	GRAPHITE ASBESTOS	GRAPHITE ASBESTOS / PTFE	GRAPHITE ASBESTOS / PTFE
11	GLAND	A 276 TP 410	A 276 TP 316	A 276 TP 304
12	GLAND FLANGE	ASTM A 105 FCS	SS	SS
13	EYE BOLT & NUT	A 193 GR B7 & A 194 GR 2 H	A 193 GR B7 & A 194 GR 2 H	A 193 GR B7 & A 194 GR 2 H
14	YOKE STEEL	S.G. IRON	S.G. IRON	S G IRON
15	HAND WHEEL	M I	M I	M I
16	HAND WHEEL NUT	C S	C S	C S

*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Bolted Bonnet Forged Globe Valve

IBR Approved



Design Standards
1. Manufacturing Standards BS 5352
2. Testing Standards BS EN 12266
3. Socket Weld End as per ASME B 16.11
4. Butt Weld End as per ASME B 16.25
5. Screwed End as per ASME B1.20.1

TEST PRESSURE	
1. Pressure Grade	Class 800
2. Shell Test Pressure	21.1 MPA
3. Sealing Test Pressure	15.5 MPA
4. Back Sealing Pressure	15.5 MPA
5. Sealing Air Pressure	0.7 MPA

1Mpa = 10Bar

FACE TO FACE DIMENSIONS AS PER MANUFACTURING STANDARDS						
Size N.B.	MM	15	20	25	40	50
	INCH	1/2"	3/4"	1"	1 1/2"	2"
L		80	92	104	120	140
H		160	170	185	266	266
øK		90	90	90	150	150
øE		9	12	17.5	29.5	35

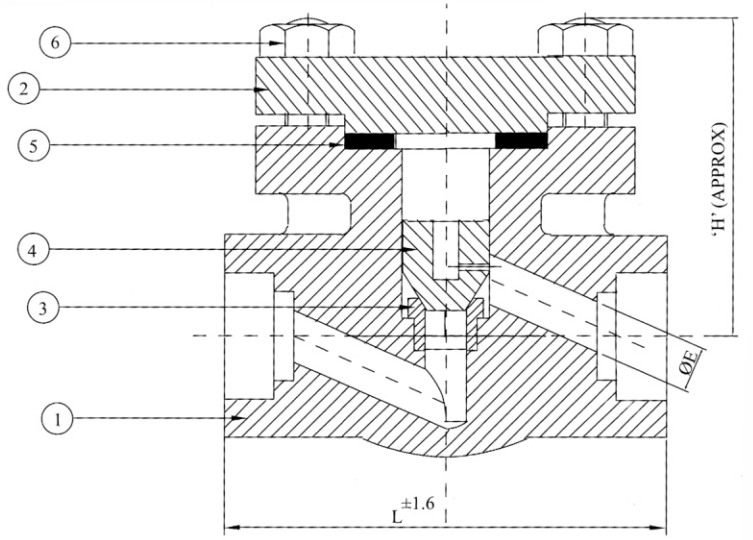
Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 105	ASTM A 182 GR F 316	ASTM A 182 GR F 304
2	BONNET	ASTM A 105	ASTM A 182 GR F 316	ASTM A 182 GR F 304
3	SEAT RING	A 276 TP 410	A 276 TP 316	A 276 TP 304
4	WEDGE	A 276 TP 410	A 276 TP 316	A 276 TP 304
5	SPINDLE	A 276 TP 410	A 276 TP 316	A 276 TP 304
6	GASKET	SS 304 SPIRAL WOUND WITH GRAPHITE FILLER	316 SPIRAL WOUND WITH GRAPHITE FILLER	304 SPIRAL WOUND WITH GRAPHITE FILLER
7	STUD / NUT	A 193 GR B7 & A 194 GR 2 H	A 193 GR B7 & A 194 GR 2 H	A 193 GR B7 & A 194 GR 2 H
8	WASHER	STEEL	SS	SS
9	SCREW	STEEL	SS	SS
10	GLAND PACKING	GRAPHITE ASBESTOS	GRAPHITE ASBESTOS / PTFE	GRAPHITE ASBESTOS / PTFE
11	GLAND	A 276 TP 410	A 276 TP 316	A 276 TP 304
12	GLAND FLANGE	ASTM A 105 FCS	SS	SS
13	EYE BOLT & NUT	A 193 GR B7 & A 194 GR 2 H	A 193 GR B7 & A 194 GR 2 H	A 193 GR B7 & A 194 GR 2 H
14	YOKE STEEL	S.G. IRON	S.G. IRON	S G IRON
15	HAND WHEEL	M I	M I	M I
16	HAND WHEEL NUT	C S	C S	C S

*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Bolted Bonnet Forged Lift Valve

IBR Approved



Design Standards
1. Manufacturing Standards BS 5352
2. Testing Standards BS EN 12266
3. Socket Weld End as per ASME B 16.11
4. Butt Weld End as per ASME B 16.25
5. Screwed End as per ASME B1.20.1
6. SS valves will have integral seat

HYDROSTATIC TEST PRESSURE	PNEUMATIC
BODY	SEAT
21.1 MPA	15.5 MPA

1Mpa = 10Bar

FACE TO FACE DIMENSIONS AS PER MANUFACTURING STANDARDS						
Size N.B.	MM	15	20	25	40	50
	INCH	1/2"	3/4"	1"	1 1/2"	2"
L		85	92	109	127	140
H		56	56	74	88	97
øE		9.5	12.7	17.5	28	34

Part Details Table

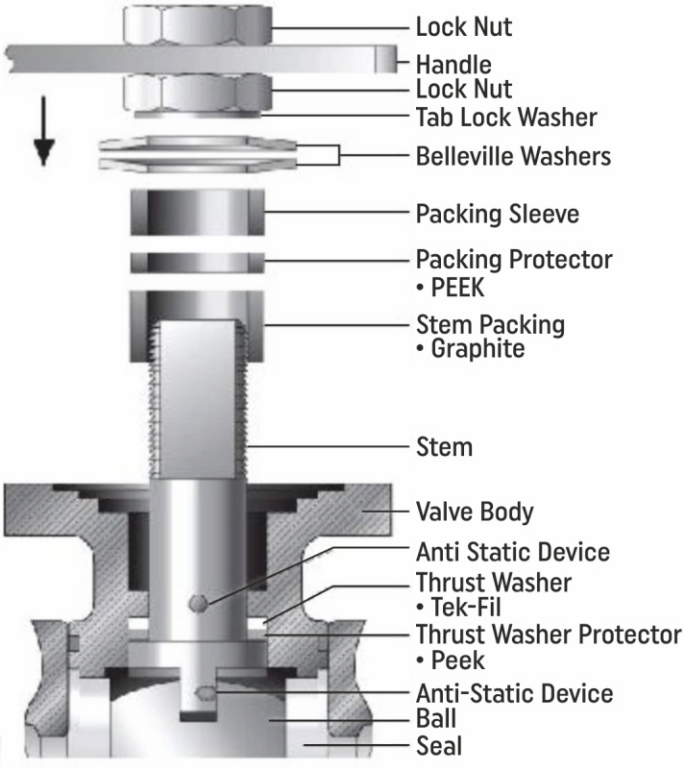
SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 105 FCS	ASTM A 182 GR F 304	ASTM A 182 GR F 304
2	BONNET	ASTM A 105 GR FCS	ASTM A 182 GR F 304	ASTM A 182 GR F 304
3	SEAT RING	A 276 TP 410	A 276 TP 304	A 276 TP 304
4	PLUG	A 276 TP 410	A 276 TP 304	A 276 TP 304
5	GASKET	SS 304 SPIRAL WOUND WITH P.T.F.E FILLER	SS 304 SPIRAL WOUND WITH P.T.F.E FILLER	SS 304 SPIRAL WOUND WITH P.T.F.E FILLER
6	GASKET	A 193 GR A 194 GR 2 H	A 193 GR A 194 GR 2 H	A 193 GR A 194 GR 2 H

*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Fire Safe Design Features as per API 607

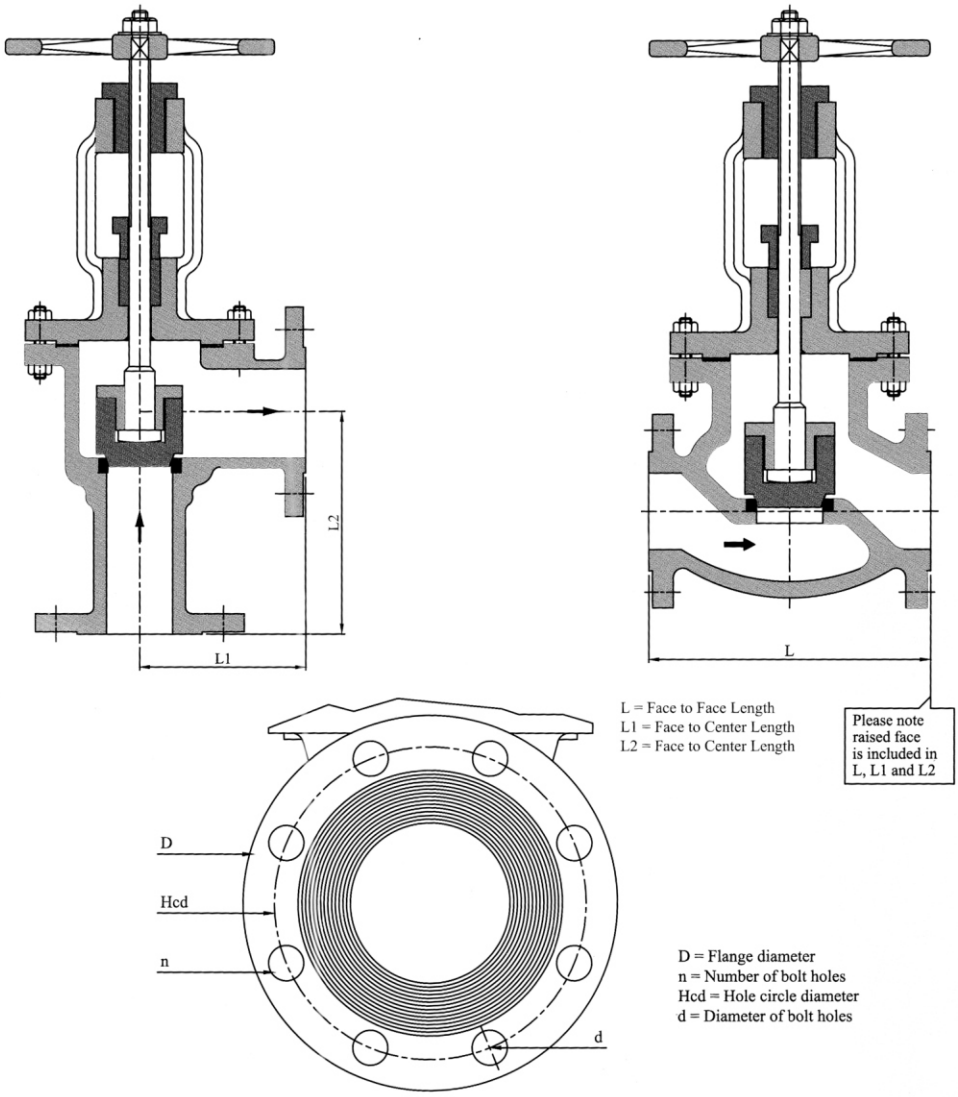
Fire Testing

The test exposes the valves to a flame temperature of 1400°F for 30 minutes with controlled limits on leakage



All 'Atam' Ball have special feature in their ball called Pressure Relief Hole. When the ball is on closed position it maintains equilibrium pressure in it's valve resulting in smoother operation, enhanced performance and life of the valve.

How To Measure Valve



SEAT MATERIALS

Name		Temp. °C		Suitable For
Buna-N NBR, Nitril	NBR	-30°	+90°	Oils, Fats & Fuels (Not Gasoline)
EPDM	EPDM	-50°	+130°	General purpose, highly-resistant to temperatures most corrosive chemicals and abrasive liquids.
VITON	FPM	-40°	+200°	Concentrated sulphuric & other acids, aromatic hydrocarbons, chlorine services.
PTFE +25% Glass	PTFE	-50°	+210°	General purpose, highly-resistant to temperatures most corrosive chemicals.
PTFE +50% St. steel-Aisi-316	PTFE / S	-50°	+230°	
SILICONE	VSI	-50°	+130°	Moderate or oxidizing chemicals, ozone, concentrated sodium hydroxide, Recommended for food.
Natural Rubber	NR	-50°	+130°	General purpose, abrasives, water, dilute mineral acids.

Valve Automation

At Atam Valves we optimize Industrial Processes with Advanced Valve Automation Systems

Proximity Switches Limit Switches

3 Way Ball Valve 600# with Actuator

BALL VALVE with manual overide, Actuator, Solenoid Valve with Switch Box.

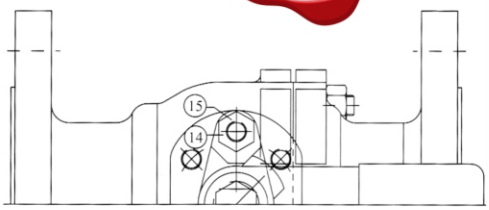
Air filter, Regulators

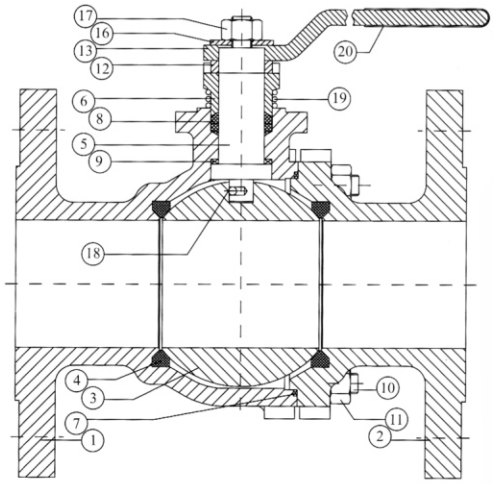
Solenoid Valves

Manual overide

Electrical Actuator

Floating Ball Valve





Design Standard:
1. Design and Manufacture Standards API 607 / BS EN 17292
2. End-to-End Dimensions Standards ANSI B 16.10
3. Flange Dimensions Standards ANSI B 16.5
4. Testing Standards BS EN 12266 / BS EN ISO10497
5. Material Pressure - Temp Standards ANSI B16.34

Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box

TEST PRESSURE			
1. Pressure Grade	Class 150	Class 300	Class 600
2. Shell Test Pressure	3.0MPa	7.5MPa	16.5MPa
3. Sealing Test Pressure	2.2MPa	5.5MPa	12.1MPa
5. Sealing Air Pressure	0.8MPa	0.8MPa	0.8MPa

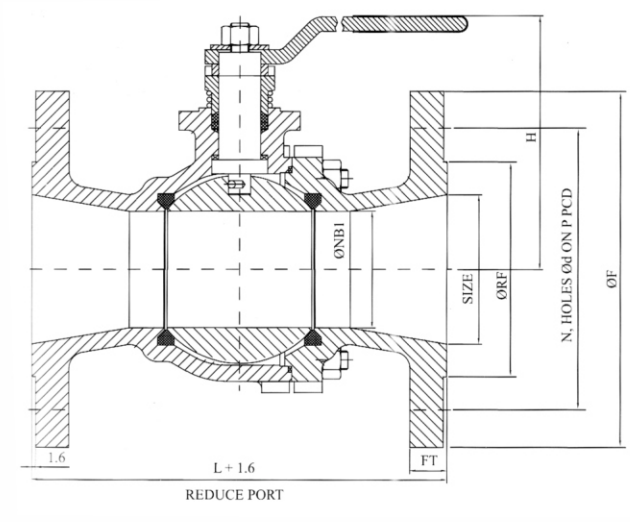
1MPa = 10Bar

Part Details Table

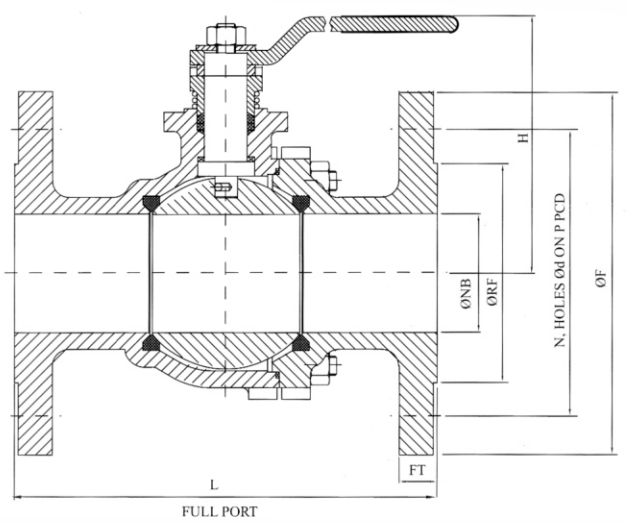
SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 216 GR. WCB	ASTM A351 GR. CF8	ASTM A351 GR. CF8M
2	SIDE PIECE	ASTM A 216 GR. WCB	ASTM A351 GR. CF8	ASTM A351 GR. CF8M
3	BALL	A 276 TP 304	A 276 TP 304	A 276 TP 316
4	SEAT RING	PTFE	PTFE	PTFE
5	STEM	A 276 TP 304	A 276 TP 304	A 276 TP 316
6	GLAND	A 276 TP 304	A 276 TP 304	A 276 TP 316
7	BODY SEAL	PTFE/GRAPHOIL	PTFE/GRAPHOIL	PTFE/GRAPHOIL
8	GLAND PACKING	PTFE/GRAPHOIL	PTFE/GRAPHOIL	PTFE/GRAPHOIL
9	STEM SEAL	PTFE	PTFE	PTFE
10	STUD	ASTM A 193 B7	ASTM A 193 B7	ASTM A 193 B7
11	NUT	ASTM A 194 2H	ASTM A 194 2H	ASTM A 194 2H
12	STOPPER PLATE	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
13	LEVER	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
14	GLAND STUD	CARBON STEEL	SS	SS
15	GLAND NUT	CARBON STEEL	SS	SS
16	WASHER	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
17	STEM NUT	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
18	ANTISTATIC SPRING	SS	SS	SS
19	ANTISTATIC SPRING	SS	SS	SS
20	LEVER SLEEVE	PVC	PVC	PVC

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Dimensions



REDUCE PORT

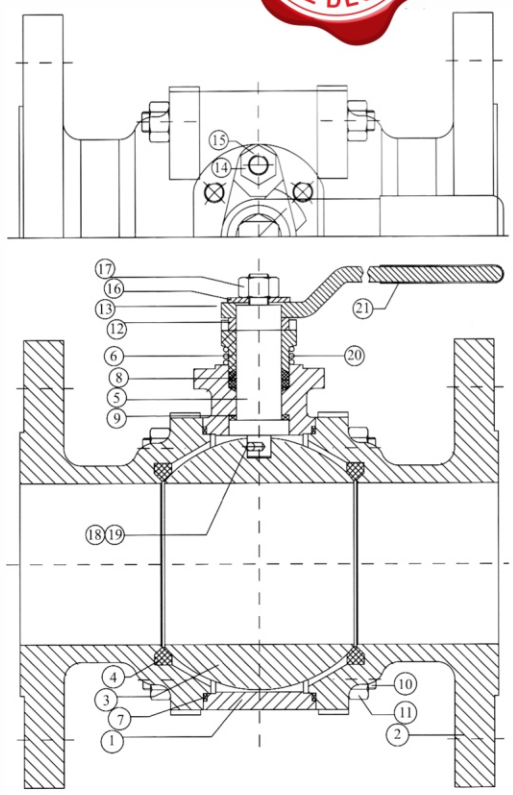


FULL PORT

CLASS 150											
Size	øNB	øNB1	L	øF	FT	øRf	'P'	øD	'N'	H	App. WT
15	12.7	12.7	108	89	11.1	35	60.3	15.7	4	60	1.8
20	19	12.7	118	98.5	11.1	42.5	69.8	15.7	4	65	2.2
25	25.4	19.1	165.1	124	17.5	51	88.9	19	4	84	2.7
40	38.1	25.4	190.1	155.5	20.6	73	114.3	22.2	4	100	5
50	50.8	38.1	177.8	152	15.9	92	120.6	19	4	108	7.5
65	63.5	50.8	190.5	178	17.5	105	139.7	19	4	118	12
80	76.2	63.5	203.2	190.5	19.1	127	152.4	19	4	160	15
100	101.6	76.2	228.6	228.6	23.9	157	190.4	19	8	178	25
150	152.4	101.6	267	279.4	25.4	216	241.3	22.2	8	237	62
200	203.2	152.4	292.1	343	28.6	170	298.5	22.2	8	272	130
250	254	203.2	330.2	406.4	30.2	324	362.0	25.4	12	342	242
300	305	254	355.6	482.6	31.8	281	431.8	25.4	12	360	298
Note : ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED											
CLASS 300											
Size	øNB	øNB1	L	øF	FT	øRf	'P'	øD	'N'	H	App. WT
15	12.7	12.7	140	95.2	14.2	35	66.5	15.7	4	60	3
20	19	12.7	152	117.3	15.7	42.8	82.5	15.7	4	65	3.5
25	25.4	19.1	165.1	124	17.5	51	88.9	19	4	85	5
40	38.1	25.4	190.1	155.5	20.6	73	114.3	22.2	4	100	10
50	50.8	38.1	216	165.1	22.2	92	127	19	8	108	18
65	63.5	50.8	241.3	190.5	25.4	105	149.4	22.2	8	118	26
80	76.2	63.5	282.4	209.5	28.6	127	168.1	22.2	8	160	30
100	101.6	76.2	305	254	31.8	157	200.1	22.2	8	178	61
150	152.4	101.6	403.3	317.5	36.6	216	269.8	22.2	12	237	110
200	203.2	152.4	419	381	41.2	270	330.2	25.4	12	272	170
250	254	203.2	457	445.5	47.8	324	387.4	28.6	16	342	275
300	305	228	648	520.7	50.8	381	450.9	31.8	16	375	325
Note : ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED											
CLASS 600											
Size	øNB	øNB1	L	øF	FT	øRf	'P'	øD	'N'	H	App. WT
15	12.7	12.7	165	95.3	14.2	35	66.5	16	4	60	9
20	19	12.7	190.5	117.5	15.8	43	82.5	19	4	65	10
25	25	19.1	216	124	17.5	51	88.9	19	4	85	15
40	38	25.4	241.3	155.5	22.2	73	114.3	22.2	4	102	26
50	50	38.1	292	165.1	25.4	92	127	19	8	110	34
65	64	50.8	330	190.5	28.6	105	149.4	22.2	8	122	51
80	74	63.5	356	209.5	31.8	127	168.2	22.2	8	170	82
100	100	76.2	432	273	38.1	157	215.9	25.4	8	190	159
150	150	101.6	559	355.6	47.8	216	292.1	28.6	12	248	235
200	201	152.4	660	419.1	55.6	270	349.25	31.8	12	285	235
250	252	203.2	787	508	63.5	324	432	35	16	352	285
300	303	228	838	559	66.5	381	489	35	20	385	375
Note : ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED											

*We are manufacturing Ball Valves upto 42" Request for details.

Floating Ball Valve



Design Standards
1. Design and Manı
2. End-to-End Dimensions Standards ANSI B 16.10
3. Flange Dimensions Standards ANSI B 16.5
4. Testing Standards BS EN 12266 / BS EN ISO10497
5. Material Pressure - Temp Standards ANSI B16.34

Special Features :
- Rotary Actuators
- Electrical Actuators
- Gear Box

TEST PRESSURE			
1. Pressure Grade	Class 150	Class 300	Class 600
2. Shell Test Pressure	3.0MPa	7.5MPa	16.5MPa
3. Sealing Test Pressure	2.2MPa	5.5MPa	12.1MPa
5. Sealing Air Pressure	0.8MPa	0.8MPa	0.8MPa

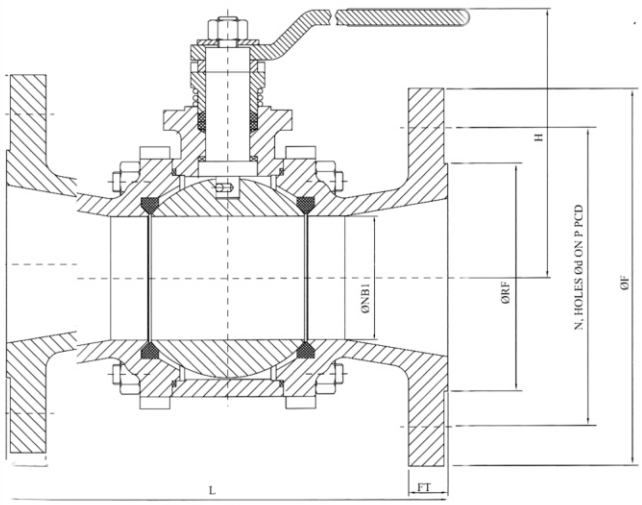
1MPa = 10Bar

Part Details Table

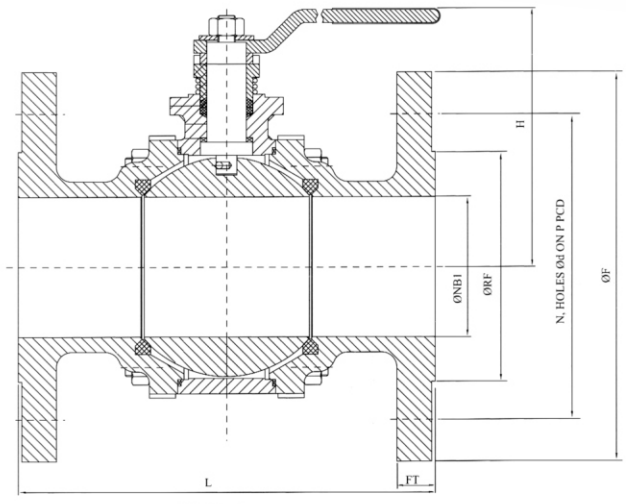
SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 216 GR. WCB	ASTM A351 GR. CF8	ASTM A351 GR. CF8M
2	SIDE PIECE	ASTM A 216 GR. WCB	ASTM A351 GR. CF8	ASTM A351 GR. CF8M
3	BALL	A 276 TP 304	A 276 TP 304	A 276 TP 316
4	SEAT RING	PTFE	PTFE	PTFE
5	STEM	A 276 TP 304	A 276 TP 304	A 276 TP 316
6	GLAND	A 276 TP 304	A 276 TP 304	A 276 TP 316
7	BODY SEAL	PTFE	PTFE	PTFE
8	GLAND PACKING	PTFE	PTFE	PTFE
9	STEM SEAL	PTFE	PTFE	PTFE
10	STUD	ASTM A 193 B7	ASTM A 193 B7	ASTM A 193 B7
11	NUT	ASTM A 194 2H	ASTM A 194 2H	ASTM A 194 2H
12	STOPPER PLATE	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
13	LEVER	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
14	GLAND STUD	CARBON STEEL	CARBON STEEL	CARBON STEEL
15	GLAND NUT	CARBON STEEL	CARBON STEEL	CARBON STEEL
16	WASHER	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
17	STEM NUT	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
18	ANTISTATIC SPRING	SS	SS	SS
19	ANTISTATIC SPRING	SS	SS	SS
20	LEVER SLEEVE	PVC	PVC	PVC

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Dimensions



Reduce Port

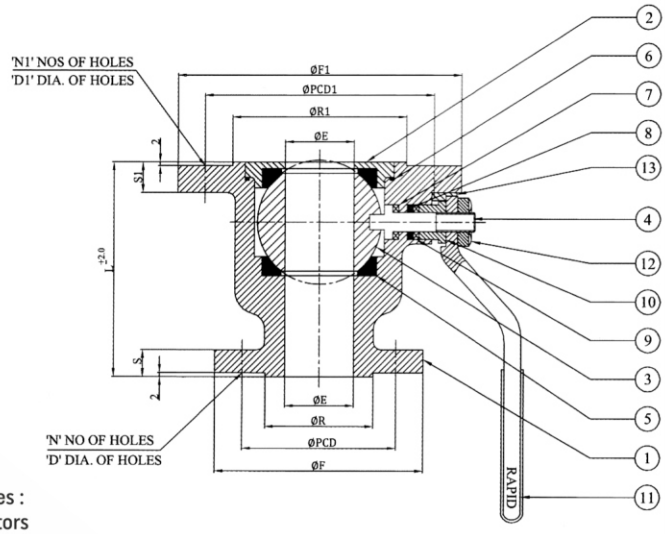


Full Port

CLASS 150											
Size	øNB	øNB1	L	øF	FT	øRf	'P'	øD	'N'	H	App. WT
15	12.7	12.7	108	89	11.1	35	60.3	15.7	4	60	1.8
20	19	12.7	118	98.5	11.1	42.5	69.8	15.7	4	65	2.2
25	25.4	19.1	127	108	11.1	51	79.2	15.7	4	84	2.7
40	38.1	25.4	165	127	14.2	73	98.4	15.7	4	100	5
50	50.8	38.1	177.8	152	15.9	92	120.6	19	4	108	7.5
65	63.5	50.8	190.5	178	17.5	105	139.7	19	4	118	12
80	76.2	63.5	203.2	190.5	19.1	127	152.4	19	4	160	15
100	101.6	76.2	228.6	228.6	23.9	157	190.4	19	8	178	25
150	152.4	101.6	166.7	279.4	25.4	216	241.3	22.2	8	237	62
200	203.2	152.4	292.1	343	28.6	170	298.5	22.2	8	272	130
250	254	203.2	330.2	406.4	30.2	324	362.0	25.4	12	342	242
300	305	254	355.6	482.6	31.8	281	431.8	25.4	12	360	298
Note : ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED											
CLASS 300											
Size	øNB	øNB1	L	øF	FT	øRf	'P'	øD	'N'	H	App. WT
15	12.7	12.7	140	95.2	14.2	35	66.5	15.7	4	60	3
20	19.1	12.7	152	117.3	15.7	42.8	82.5	15.7	4	65	3.5
25	25.4	19.1	165.1	124	17.5	51	88.9	19	4	85	5
40	38.1	25.4	190.1	155.5	20.6	73	114.3	22.2	4	100	10
50	50.8	38.1	216	165.1	22.2	92	127	19	8	108	18
65	63.5	50.8	241.3	190.5	25.4	105	149.4	22.2	8	118	26
80	76.2	63.5	282.4	209.5	28.6	127	168.1	22.2	8	160	30
100	101.6	76.2	305	254	31.8	157	200.1	22.2	8	178	61
150	152.4	101.6	403.3	317.5	36.6	216	269.8	22.2	12	237	110
200	203.2	152.4	419	381	41.2	270	330.2	25.4	12	272	170
250	254	203.2	457	445.5	47.8	324	387.4	28.6	16	342	275
300	305	228	648	520.7	50.8	381	450.9	31.8	16	375	325
Note : ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED											
CLASS 600											
Size	øNB	øNB1	L	øF	FT	øRf	'P'	øD	'N'	H	App. WT
15	12.7	12.7	165	95.3	14.2	35	66.5	16	4	60	9
20	19	12.7	190.5	117.5	15.8	43	82.5	19	4	65	10
25	25	19.1	216	124	17.5	51	88.9	19	4	85	15
40	38	25.4	241.3	155.5	22.2	73	114.3	22.2	4	102	26
50	50	38.1	292	165.1	25.4	92	127	19	8	110	34
65	64	50.8	330	190.5	28.6	105	149.4	22.2	8	122	51
80	74	63.5	356	209.5	31.8	127	168.2	22.2	8	170	82
100	100	76.2	432	273	38.1	157	215.9	25.4	8	190	159
150	150	101.6	559	355.6	47.8	216	292.1	28.6	12	248	235
200	201	152.4	660	419.1	55.6	270	349.25	31.8	12	285	235
250	252	203.2	787	508	63.5	324	432	35	16	352	285
300	303	228	838	559	66.5	381	489	35	20	385	375
Note : ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED											

*We are manufacturing Ball Valves upto 42" Request for details.

Flush Bottom Ball Valve



Design Standards
1. Design and Manufacture Standards API 607 / BS EN 17292
2. End-to-End Dimensions Standards ANSI B 16.10
3. Flange Dimensions Standards ANSI B 16.5
4. Testing Standards BS EN 12266
5. Material Pressure - Temp Standards ASME B16.34

Special Features :
- Rotary Actuators
- Electrical Actuators
- Jacketed
- 45° Stem

FACE TO FACE DIMENSIONS AS PER MANUFACTURING STANDARDS

SIZE (N.B.)	MM	25 / 40	40 / 50	50 / 80	65 / 80	80 / 100	100 / 150	150 / 200	200 / 250
	INCH	1 / 1½	1½ / 2	2 / 3	2½ / 3	3 / 4	4 / 6	6 / 8	8 / 10
L		90	90	105	115	127	175	216	320
øF / øF1		108 / 127	127 / 152	152 / 190.5	178 / 190.5	190.5 / 229	229 / 279.5	279.5 / 343	343 / 406.5
PCD / PCD1		79.2 / 98.5	98.5 / 121	121 / 152.4	140 / 152.4	152.4 / 190.5	190.5 / 241.3	241.3 / 298.4	298.4 / 362
øR / øR1		50.8 / 73	73 / 92	92 / 127	105 / 127	127 / 157	157 / 216	216 / 270	270 / 324
S / S1		12.7 / 14.2	14.2 / 15.7	15.7 / 19.1	17.5 / 19.1	19.1 / 23.8	23.8 / 25.4	25.4 / 28.4	28.4 / 30.2
N / N1		4 / 4	4 / 4	4 / 4	4 / 4	4 / 8	8 / 8	8 / 8	8 / 4
D / D1		15.7 / 19	19 / 19	19 / 19	19 / 19	19 / 19	19 / 22.2	22.2 / 22.2	22.2 / 25.4
øE		25.4	38.1	50.8	63.5	76.2	101.2	152.4	203.2
H		80	95	105	125	155	210		
K		205	240	240	300	400	475		

TEST PRESSURE	
1. Pressure Grade	Grade 150
2. Shell Test Pressure	3.0MPa
3. Sealing Test Pressure	2.2MPa
3. Sealing Air Pressure	0.8MPa

1MPa = 10Bar

Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	A351 GR CF8M	A351 GR CF8	A261 GR WCB
2	SIDE PIECE	A351 GR CF8M	A351 GR CF8	A261 GR WCB
3	BALL	A351 GR CF8M	A351 GR CF8	A351 GR WCB
4	STEM	A 276 TP 316	A 276 TP 304	A 276 TP 304
5	SEAT RING	PTFE	PTFE	PTFE
6	BODY STEM	PTFE	PTFE	PTFE
7	STEM SEAL	PTFE	PTFE	PTFE
8	GLAND SEAL	PTFE	PTFE	PTFE
9	GLAND	A 276 TP 316	A 276 TP 304	A 276 TP 304
10	GLAND NUT	A 276 TP 316	A 276 TP 304	A 276 TP 304
11	LEVER	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
12	LEVER NUT	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
13	STOPPER	A 276 TP 316	A 276 TP 304	A 276 TP 304

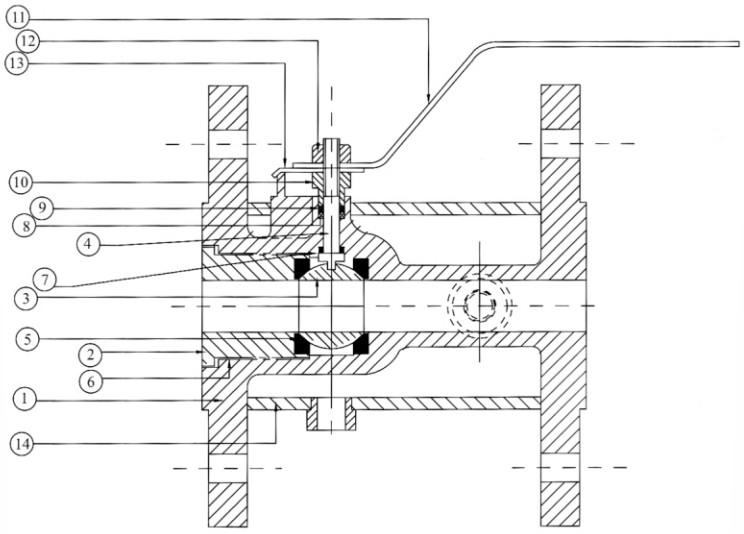
*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Jacketed Ball Valve

Design Standards
1. Design and Manufacture Standards API 607 / BS EN 17292
2. End-to-End Dimensions Standards ANSI B 16.10
3. Flange Dimensions Standards ANSI B 16.5
4. Testing Standards BS EN 12266
5. Material Pressure - Temp Standards ASME B16.34

TEST PRESSURE	
1. Pressure Grade	Grade 150
2. Shell Test Pressure	3.0MPa
3. Sealing Test Pressure	2.2MPa
3. Sealing Air Pressure	0.8MPa

1MPa = 10Bar



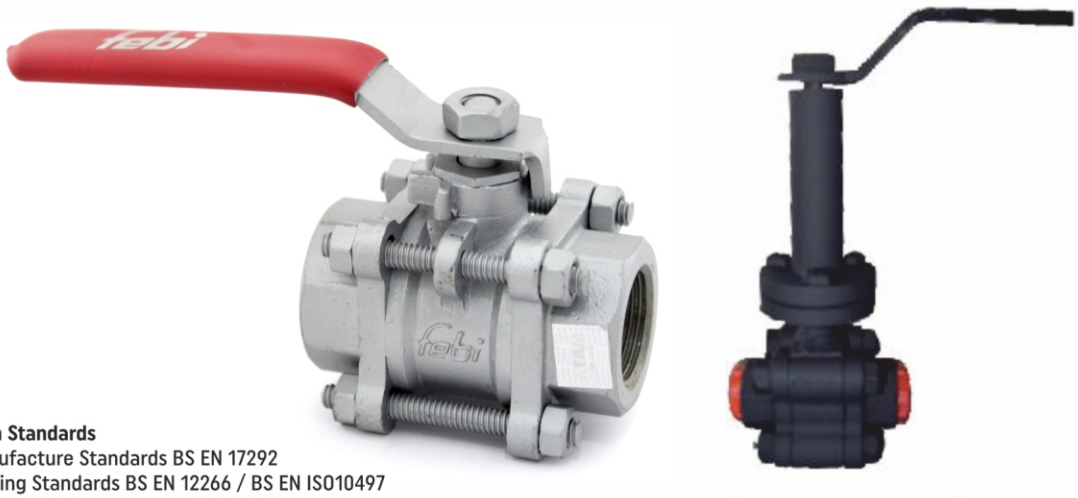
Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet

Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	A351 GR CF8M	A351 GR CF8	A351 GR WCB
2	SIDE PIECE	A351 GR CF8M	A351 GR CF8	A351 GR WCB
3	BALL	A351 GR CF8M	A351 GR CF8	A351 GR WCB
4	STEM	A 276 TP 316	A 276 TP 304	A 276 TP 304
5	SEAT RING	PTFE	PTFE	PTFE
6	BODY DTEM	PTFE	PTFE	PTFE
7	STEM SEAL	PTFE	PTFE	PTFE
8	GLAND SEAL	PTFE	PTFE	PTFE
9	GLAND	A 276 TP 316	A 276 TP 304	A 276 TP 304
10	GLAND NUT	A 276 TP 316	A 276 TP 304	A 276 TP 304
11	LEVER	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
12	LEVER NUT	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
13	STOPPER PIN	INTEGRAL	INTEGRAL	INTEGRAL
14	JACKET	CS	CS	CS

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Cast Steel Ball Valve

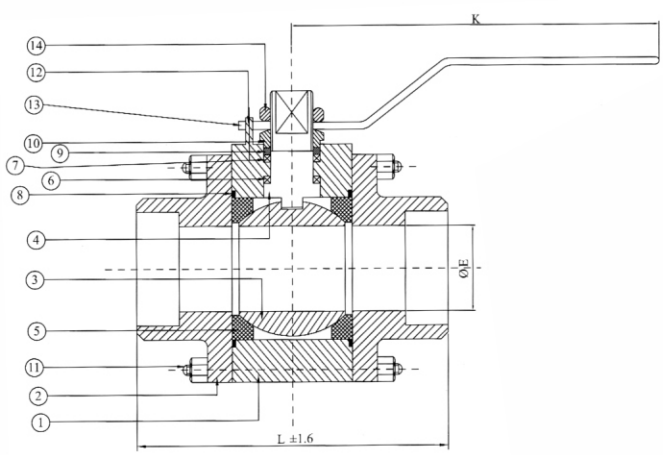


FIRE API 607 SAFE DESIGN

Design Standards
1. Manufacture Standards BS EN 17292
2. Testing Standards BS EN 12266 / BS EN ISO10497
3. Socket Weld End as per ASME B 16.11

TEST PRESSURE		
1. Pressure Grade	Class 150	Class 300
2. Shell Test Pressure	3.0MPa	7.7MPa
3. Sealing Test Pressure	2.2MPa	5.4MPa
3. Sealing Air Pressure	0.8MPa	0.8MPa

1MPa = 10Bar



FACE TO FACE DIMENSIONS AS PER MANUFACTURING STANDARDS							
Size N.B.	MM	15	20	25	32	40	50
	INCH	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L		65	70	95	105	115	125
øB		21.7	27.1	33.7	42.5	48.6	61.1
øE		12.7	19.1	25.4	31.2	38.4	50.8
D		9.5	12.7	12.7	12.7	12.7	15.7
H		65	65	80	85	95	105
K		170	170	205	205	240	240

Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Extended Nipples

Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 216 GR WCB	ASTM A 351GR CF8M	ASTM A 351GR CF8
2	ADAPTOR	ASTM A WCB GR 216	ASTM A 351GR CF8M	ASTM A 351GR CF8
3	BALL	A 276 TP 304	A 276 TP 316	A 276 TP 304
4	STEM	A 276 TP 304	A 276 TP 316	A 276 TP 304
5	SEAT RING	PTFE	PTFE	PTFE
6	STEM SEAL	PTFE	PTFE	PTFE
7	GLAND SEAL	PTFE	PTFE	PTFE
8	BODY STEM	PTFE	PTFE	PTFE
9	GLAND	A 276 TP 304	A 276 TP 316	A 276 TP 304
10	GLAND NUT	A 276 TP 304	A 276 TP 316	A 276 TP 304
11	STUD & NUT	A193 GR B7 / A 194 GR 2H	A193 GR B7 / A 194 GR 2H	A193 GR B7 / A 194 GR 2H
12	STOPPER	INTEGRAL	INTEGRAL	INTEGRAL
13	LEVER	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
14	LEVER NUT	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED

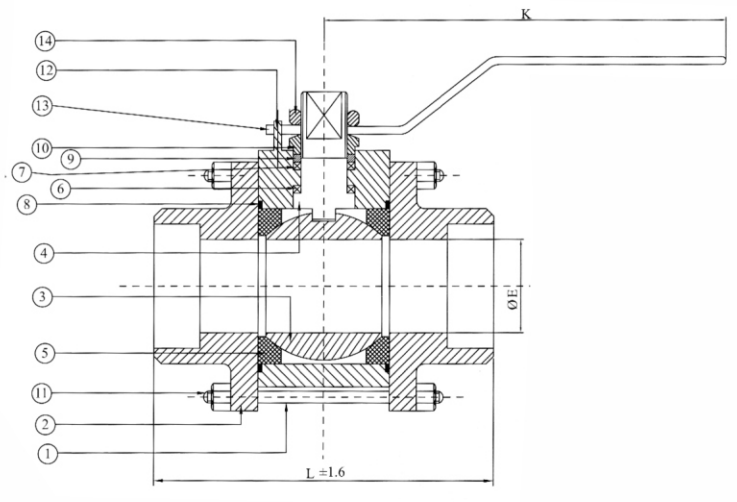
*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Forged Steel Ball Valve

Design Standards
1. Manufacture Standards BS EN 17292
2. Testing Standards BS EN 12266
3. Socket Weld End as per ASME B 16.11
4. Screwed End as per ASME B 1.20.1

TEST PRESSURE	
1. Pressure Grade	Class 800
2. Shell Test Pressure	21.1MPa
3. Sealing Test Pressure	0.6.9MPa
3. Sealing Air Pressure	00.8MPa

1MPa = 10Bar



FACE TO FACE DIMENSIONS AS PER MANUFACTURING STANDARDS							
Size N.B.	MM	15	20	25	32	40	50
	INCH	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L		62	72	95	105	115	125
øE		11	14	20	25.4	31.1	38.1
H		65	65	80	85	95	105
K		170	170	205	205	240	240

Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Extended Nipples

Part Details Table

SR. No.	Part List	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 216 GR WCB	ASTM A 351GR CF8M	ASTM A 351GR CF8
2	ADAPTOR	ASTM A WCB GR 216	ASTM A 351GR CF8M	ASTM A 351GR CF8
3	BALL	A 276 TP 304	A 276 TP 316	A 276 TP 304
4	STEM	A 276 TP 304	A 276 TP 316	A 276 TP 304
5	SEAT RING	PTFE	PTFE	PTFE
6	STEM SEAL	PTFE	PTFE	PTFE
7	GLAND SEAL	PTFE	PTFE	PTFE
8	BODY STEM	PTFE	PTFE	PTFE
9	GLAND	A 276 TP 304	A 276 TP 316	A 276 TP 304
10	GLAND NUT	A 276 TP 304	A 276 TP 316	A 276 TP 304
11	STUD & NUT	A193 GR B7 / A 194 GR 2H	A193 GR B7 / A 194 GR 2H	A193 GR B7 / A 194 GR 2H
12	STOPPER	INTEGRAL	INTEGRAL	INTEGRAL
13	LEVER	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED
14	LEVER NUT	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED	CARBON STEEL POWDER COATED

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Butterfly Valves

Wafer Type

Flanged Type

Design Standards
1. Design & Manufacture Standards as per API 609.
2. Inspection & testing standards as per API 598.
3. End connection - Wafer lug flanged
4. All valves will be provided with open close indication.

TEST PRESSURE					
1. Pressure Grade	PN6	PN10	PN16	PN25	150#
2. Body Pressure	9 Bar	15 Bar	22 Bar	35 Bar	30 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar	25 Bar	22 Bar

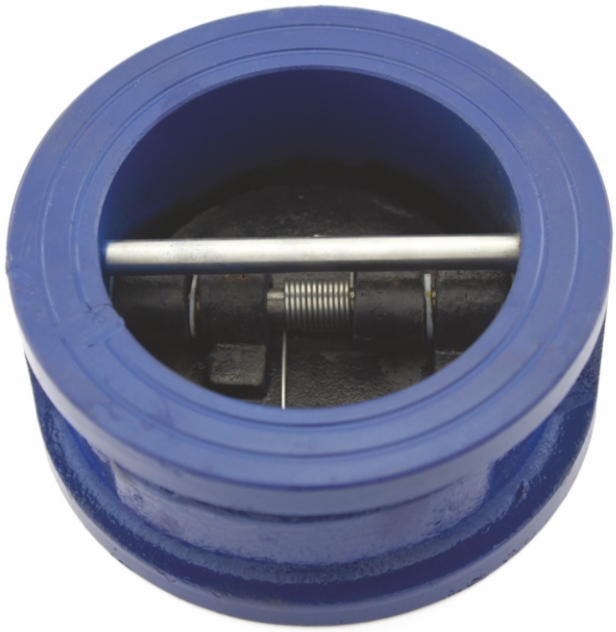
1MPa = 10Bar

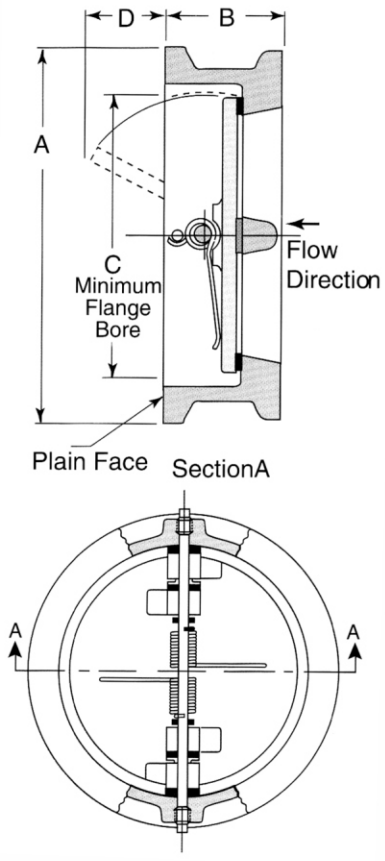
DIMENSION TABLE (WAFER TYPE)																
SIZE DN	MM	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	INCH	1 1/2"	2"	21/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L		43	43	46	46	52	56	56	60	68	78	78	86	105	127	154
øNB		38	49	63.5	79	100	125	150	198	244	290	290	385	434	487	577

DIMENSION TABLE (FLANGED TYPE)																
SIZE DN	MM	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	INCH	1 1/2"	2"	21/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L		102	108	112	114	127	140	140	152	165	178	190	216	222	229	267
øNB		38	49	63.5	79	100	125	150	198	244	290	344	385	434	487	577

TECHNICAL SPECIFICATIONS			
1.	Valve Type	:	Centric Disc Design Butterfly valve with a single piece Rubber Lined/PTFE Body
2.	Seat Type	:	Integrally moulded with the Body/Replaceable
3.	End Connecting	:	Wafer/Lug/Flanged
4.	Pressure rating	:	PN 10/PN 16/PN25
5.	Operating Temp range	:	-250 C to 200 9 (depending on MOC)
6.	Seat Leakage	:	Tight shut off
7.	Operation	:	Hand lever for sizes from 40 NB to 200 NB, Worm Gear Boxes for Sizes from 40 NB to 1200 NB, Pneumatic/Electrical Acuator operation - optional
8.	Size range	:	40 NB to 200 NB
9.	Standard Material of Construction		
	Body	:	CI (Optional SGI / WCB / CF8 / CF8M)
	Disc	:	SGI / WCB / CF8 / CF8M
	Seat	:	Nitrile / Neoprene / EPDM / Silicone / Viton / PTEE / Hypalon
	Shaft	:	AISI 410 / 304 / 316

Dual Plate - Check Valve





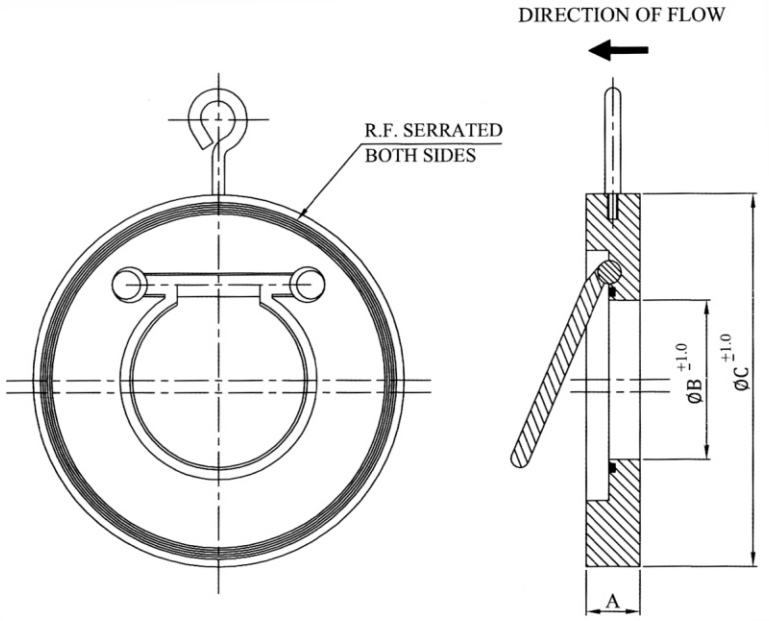
Design Standards API-594 & API-6D
ASME Class 150#

Part Details Table

SR. NO.	PART LIST	NAB	GM	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351GR CF8M	ASTM A 351GR CF8
2	CLOSER PLATES	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351GR CF8M	ASTM A 351GR CF8
3	SEAT	METAL TO METAL / PTFE / EPDM	METAL TO METAL / PTFE / EPDM	METAL TO METAL / PTFE / EPDM	METAL TO METAL / PTFE / EPDM
4	SPRING	INCONEL X-750	INCONEL X-750	INCONEL X-750	INCONEL X-750
5	HINGE PIN	AISI 316	AISI 316	AISI 304 / AISI 316	AISI 304 / AISI 316
6	STOP PIN	AISI 316	AISI 316	AISI 304 / AISI 316	AISI 304 / AISI 316

SIZE	A	B	C	D	WEIGHT
INCH	IN MM				Kg
2"	50	105	60	49	3
21/2"	65	124	67	60	5
3"	80	137	73	74	6
4"	100	175	73	97	8
5"	125	197	86	122	12
6"	150	222	98	146	16
8"	200	279	127	194	32
10"	250	340	146	243	48
12"	300	410	181	289	78
14"	350	451	184	318	91
16"	400	514	191	381	125
18"	450	549	203	429	143
20"	500	606	219	478	281
24"	600	718	222	575	705

Non Slam - Check Valve



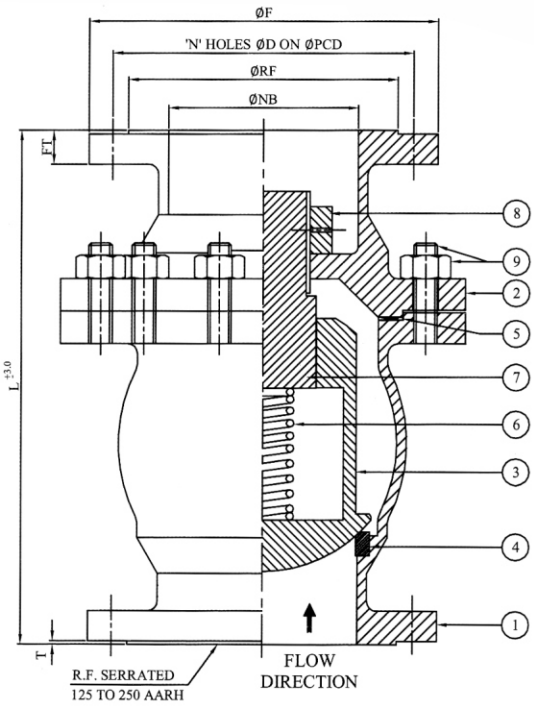
Design Standards API-594 & API-6D
ASME Class 150#

Part Details Table

SR. NO.	PART LIST	NAB	GM	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351GR CF8/CF8M/CF3/CF3M	ASTM A 216GR. WCB
2	DISC	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351GR CF8/CF8M/CF3/CF3M	ASTM A 216GR. WCB
3	SEAT	EPDM / PTFE / VITON	EPDM / PTFE / VITON	EPDM / PTFE / VITON	EPDM / PTFE / VITON
4	HINGE PIN	AISI 316	INCONEL X-750	AISI 304 / AISI 316/MS	AISI 304 / AISI 316/MS
5	EYE BOLT	AISI 316	AISI 316	AISI 304 / AISI 316/MS IS 2062	AISI 304 / AISI 316/MS IS 2062

VALVE SIZE	A	B	C
25	16	14	62
40	19	22	84
50	19	30	102
65	19	40	120
80	19	52	133
100	19	71	170
125	19	93	192
150	19	114	219
200	27	157	275
250	27	195	336
300	36	230	406
350	44	270	445
400	50	310	508
450	60	360	542
500	62	406	599
600	72	490	710

Ball Type Check Valve



Part Details Table				
SR. No.	PART LIST	MATERIAL	MATERIAL	MATERIAL
1	BODY	ASTM A 216 GR. WCB	ASTM A 351 GR. CF8	ASTM A 351 GR. CF8M
2	ADAPTOR	ASTM A 216 GR. WCB	ASTM A 351 GR. CF8	ASTM A 351 GR. CF8M
3	BALL (SOLI)	WCB + 13% CR.	ASTM A 351 GR. CF8	ASTM A 351 GR. CF8M
4	SEAT RING	AISI 410	AISI 304	AISI 316
5	GASKET	SS 304 SPW WITH GRAPHITE FILLER	SS 304 SPW WITH GRAPHITE FILLER	SS 304 SPW WITH GRAPHITE FILLER
6	SPRING	AISI 304	AISI 304	AISI 316
7	SPINDLE	ASTM A 276 TP 410	ASTM A 276 TP 304	ASTM A 276 TP 316
8	SPINDLE NUT	AISI 410	AISI 304	AISI 316
9	STUD & NUT	ASTM A 193 GR. B7/ ASTM A 194 GR. 2H	ASTM A 193 GR. B8/ ASTM A 194 GR. 8	ASTM A 193 GR. B8M/ ASTM A 194 GR. 8M

Design Standards

1. f to F Dimension & tolerance shall be as per manufacturing Standards
2. Flange dimensions & tolerance shall be as per ASME B 16.5.
3. Pressure temperature ratings as per ASME B 16.34.
4. Testing standards as per BS EN 12266
5. Flow Direction : Uni-Directional.

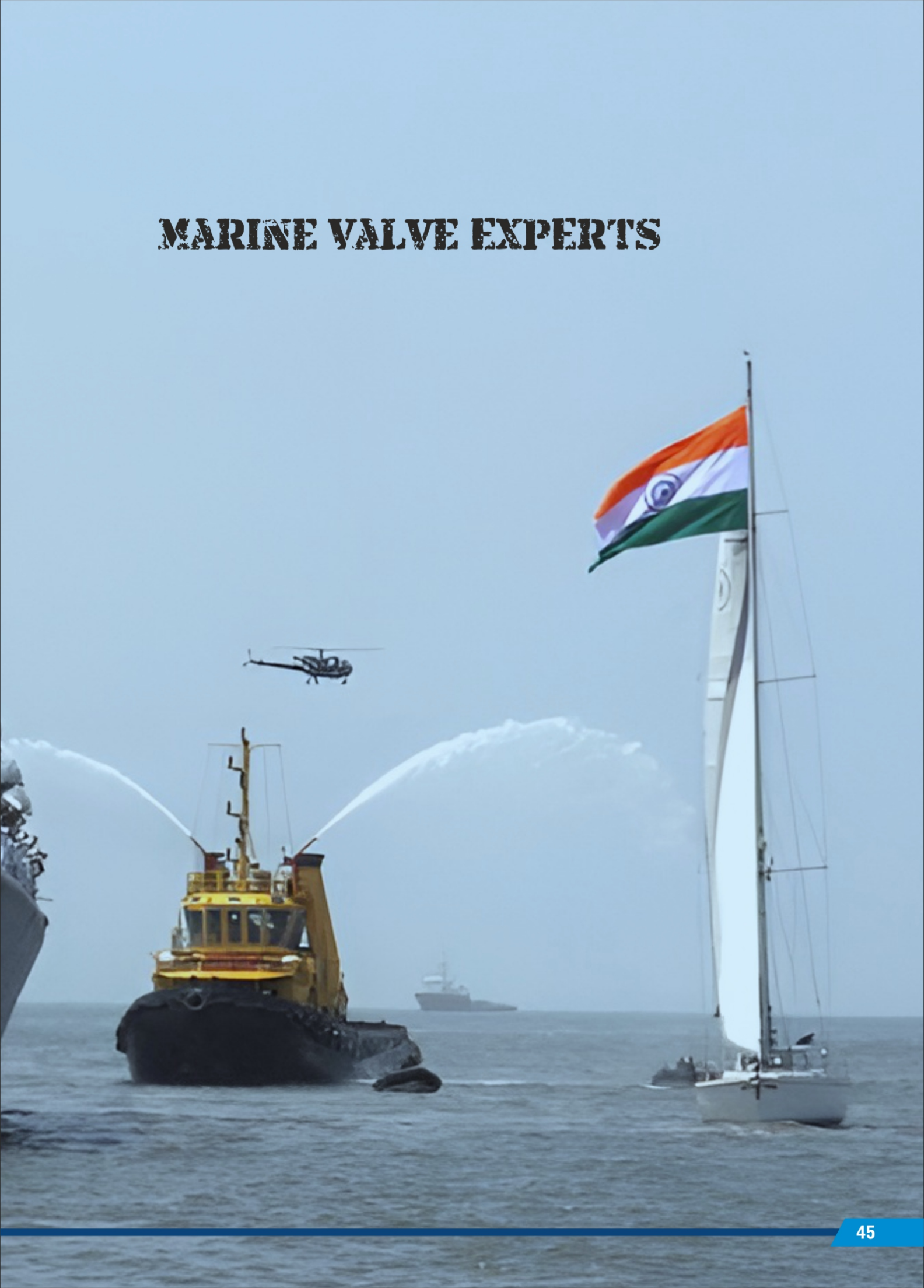
CLASS 150									
Size	øNB	L	øF	øPCD	øRf	FT	T	øD	N
50	50.8	178	150	120.7	92.1	16.3	2	19	4
65	64	190	180	139.7	104.8	17.9	2	19	4
80	76.2	203	190	152.4	127	19.5	2	19	4
100	101.6	229	230	190.5	157.2	24.3	2	19	8
150	152	406	280	241.3	215.9	25.9	2	22.2	8
200	202	495	345	298.5	269	29	2	22.2	8

CLASS 300									
Size	øNB	L	øF	øPCD	øRf	FT	T	øD	N
50	51	267	165	127	92.1	22.7	2	19	8
65	64	292	190	149.2	104.8	25.9	2	22.2	8
80	75	318	210	168.3	127	29	2	22.2	8
100	100	400	255	200	157.2	32.2	2	22.2	8
150	150	444	320	269.9	215.9	37	2	22.2	12
200	200	559	380	330.2	269	41.1	2	25.4	12

CLASS 600									
Size	øNB	L	øF	øPCD	øRf	FT	T	øD	N
50	51	292	165	127	92.1	32.4	7	19	8
65	64	330	190	149.2	104.8	35.6	7	22.2	8
80	75	356	210	168.3	127	38.8	7	22.2	8
100	100	432	275	215.9	157.2	45.1	7	25.4	8
150	150	559	355	292.1	215.9	54.7	7	28.5	12
200	200	660	420	349.2	269	62.6	7	32	12

Notes

MARINE VALVE EXPERTS



MARINE VALVES

Atam Valves positions as a key manufacturer and supplier in the marine industry, particularly to prestigious organizations like the Ministry of Defence, Indian Navy, Indian Coast Guard and many marine related industries.

Setting a goal to capture 50 to 60% of the marine valve market by 2026 is ambitous , but with our strong past performance and reputation, it seems like a feasible target. The fact that we aim to supply both government and private shipyards further demonstrates our commitment to expanding market share.

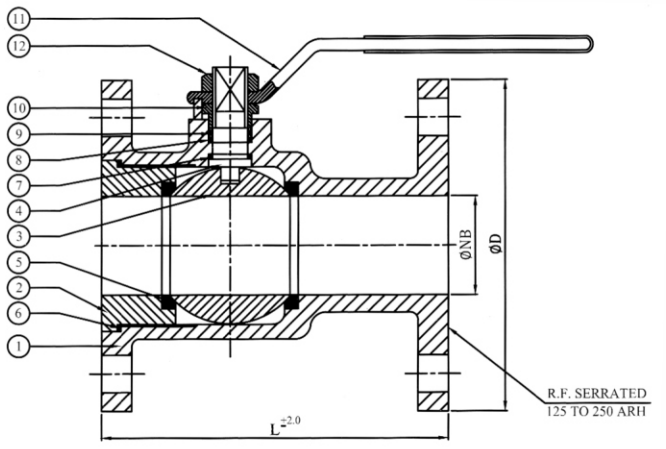
Exponential growth in the coming years is indeed a positive sign, especially with the increasing demand in the marine industry. As long as we continue to deliver high-quality products and maintain strong relationships with our customers. there's a good chance we can achieve our goals in near future.

It's worth noting that achieving such significant market share requires careful planning, strategic partnerships. and a focus on innovation. It may also involve adapting to industry trends and technological advancements. However, with a clear vision and determination, Atam Valves appears to be on track for continued success in the marine valve market.

MARINE VALVE COLLECTION

TYPES OF	VALVES	MATERIALS
Top Entry Ball Valves - Fire Safe & Type Tested	Fire Hydrant Valves	Nickel Aluminium Bronze
Storm Valves	Check Valves	Gun Metal
Globe/ SDNR/ SDSL valves	Butterfly Valves	Stainless Steel
QCV (Quick Closing Valve)	ROV (Remote Operated Valves)	Duplex
Strainers	Push Type Drain Valve	other ferrous materials

Single Piece Design Floating Ball Valve



Design Standards
1. Design and Manufacture Standards ASME B 16.34
2. Inspection and testing standard as per BS EN 12266/ISO 10497
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. Flow Direction : Bi-Directional
6. End connection standard as per EN 1092-3, Type-A 21, PN6/PN10PN16

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

DIMENSION TABLE										
Size DN	MM	15	20	25	32	40	50	65	80	100
	INCH	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
L		108	117	127	140	165	178	190	203	229
øNB		12.7	19	25.4	31.8	38.1	50.8	63.5	76.2	101.6
øD		95	105	115	140	150	165	185	200	220

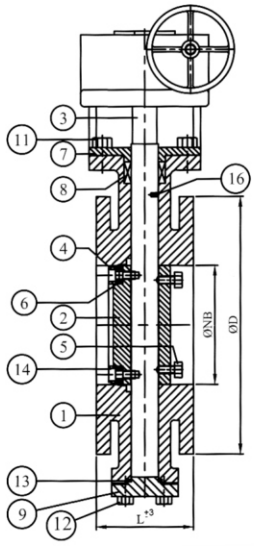
Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

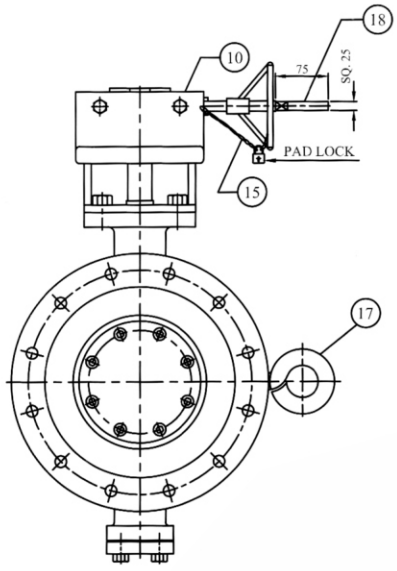
Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	SIDE NUT	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
3	BALL (SOLID)	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
4	STEM	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
5	SEAT RING	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
6	BODY SEAL	GRAFOIL	GRAFOIL	GRAFOIL	GRAFOIL
7	STEM SEAL	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
8	GLAND SEAL	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	GLAND RING	NAB NES 747 PART 2	NAB NES 747 PART 2	AISI 316	AISI 316
10	GLAND NUT	PHOSPHOR BRONZE BS 2874 PB 102	PHOSPHOR BRONZE BS 2874 PB 102	AISI 304	AISI 304
11	LEVER	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP
12	LEVER NUT	PHOSPHOR BRONZE BS 2874 PB 102	PHOSPHOR BRONZE BS 2874 PB 102	AISI 304	AISI 304
13	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Double Flanged Butterfly Valve





Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5155.
2. Inspection and testing standard as per BS 6755 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

DIMENSION TABLE									
Size DN	MM	80	100	125	150	200	250	300	350
	INCH	3"	4"	5"	6"	8"	10"	12"	14"
L		114	127	140	140	152	165	178	190
øNB		76	101	126	152	203	254	301	337
øD		200	220	250	285	340	395	480	505

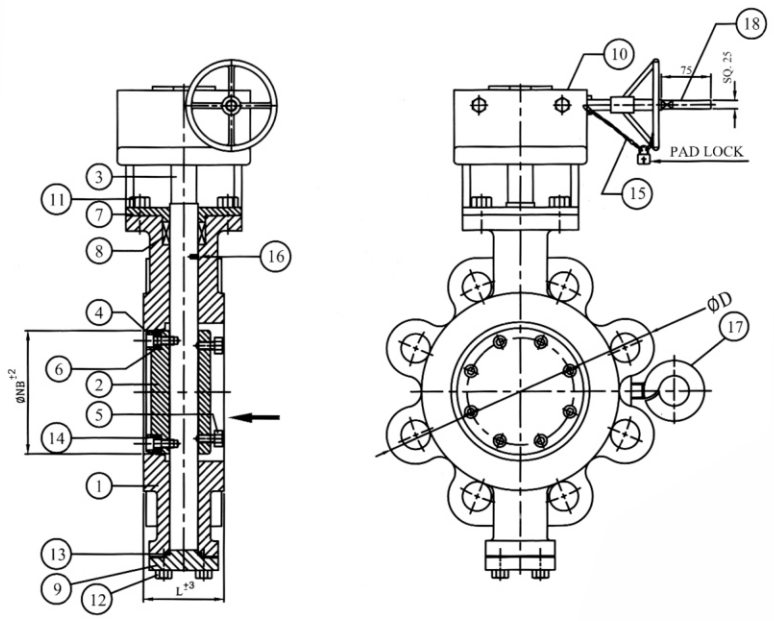
Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	DISC	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
3	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
4	CLAMPING RING	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	DISC PIN	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
7	GLAND FLANGE	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
8	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	BOTTOM COVER	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
10	GEAR BOX	BS 1400 LG 4C	BS 1400 LG 4C	S. G. IRON	S. G. IRON
11	GLAND BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
12	BOTTOM COVER BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
13	GASKET	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)
14	CLAMPING BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
15	CHAIN+LOCK	AISI 304	AISI 304	AISI 304	AISI 304
16	ANTISTATIC DEVICE	AISI 304	AISI 304	AISI 304	AISI 304
17	LIFTING HOOK	AISI 304	AISI 304	AISI 304	AISI 304
18	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
19	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Butterfly Lug Type Valve



Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5155.
2. Inspection and testing standard as per BS 6755 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

DIMENSION TABLE											
Size DN	MM	50	65	80	100	125	150	200	250	300	350
	INCH	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		43	46	64	64	70	76	89	114	114	127
øNB		50	64	76	101	126	152	203	254	301	337
øD		95	105	127	158	188	206	270	325	381	414

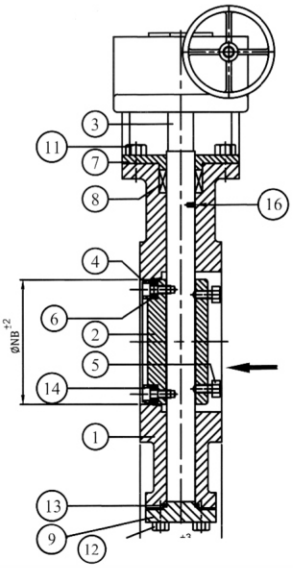
Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

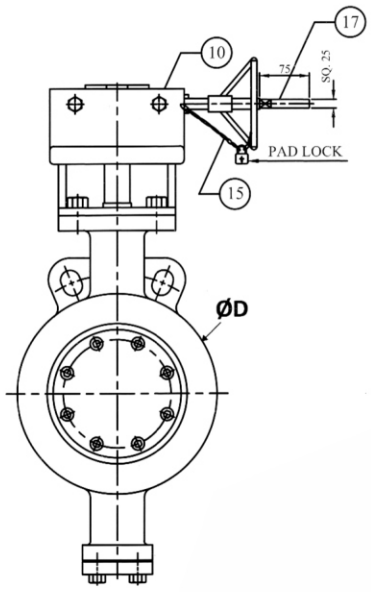
Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	DISC	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
3	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
4	CLAMPING RING	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	DISC PIN	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
7	GLAND FLANGE	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
8	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	BOTTOM COVER	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
10	GEAR BOX	BS 1400 LG 4C	BS 1400 LG 4C	S. G. IRON	S. G. IRON
11	GLAND BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
12	BOTTOM COVER BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
13	GASKET	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)
14	CLAMPING BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
15	CHAIN+LOCK	AISI 304	AISI 304	AISI 304	AISI 304
16	ANTISTATIC DEVICE	AISI 304	AISI 304	AISI 304	AISI 304
17	LIFTING HOOK	AISI 304	AISI 304	AISI 304	AISI 304
18	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
19	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Butterfly Lug Type Valve





Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5155.
2. Inspection and testing standard as per BS 6755 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

DIMENSION TABLE											
Size DN	MM	50	65	80	100	125	150	200	250	300	350
	INCH	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		43	46	64	64	70	76	89	114	114	127
øNB		50	64	76	101	126	152	203	254	301	337
øD		95	105	127	158	188	206	270	325	381	414

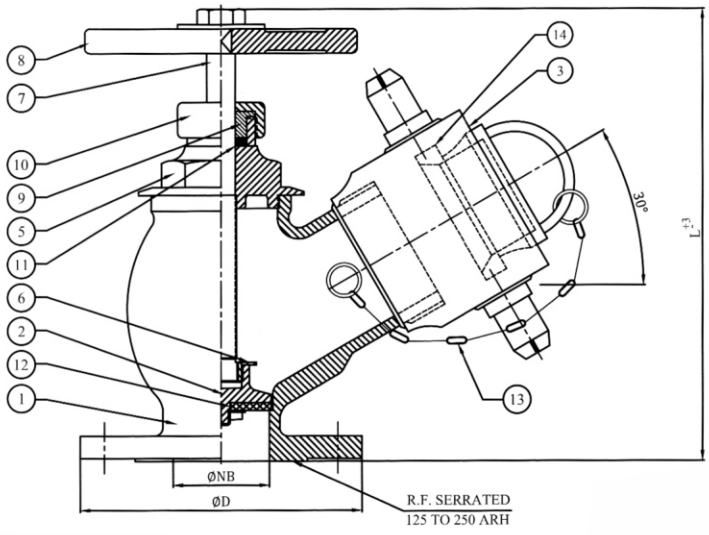
Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	DISC	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
3	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
4	CLAMPING RING	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	DISC PIN	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
7	GLAND FLANGE	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
8	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	BOTTOM COVER	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
10	GEAR BOX	BS 1400 LG 4C	BS 1400 LG 4C	S. G. IRON	S. G. IRON
11	GLAND BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
12	BOTTOM COVER BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
13	GASKET	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)
14	CLAMPING BOLT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG)	ASTM A 193 GR. B7 (HDG)
15	CHAIN+LOCK	AISI 304	AISI 304	AISI 304	AISI 304
16	ANTISTATIC DEVICE	AISI 304	AISI 304	AISI 304	AISI 304
17	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
18	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Fire Hydrant Angle Valve



Design Standards
1. Design and Manufacture Standards as per 5290.
2. Inspection and testing standard as per BS 6755Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. End connection standard as per BS 4504 Part 3.3, RF PN6/PN10/PN16

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

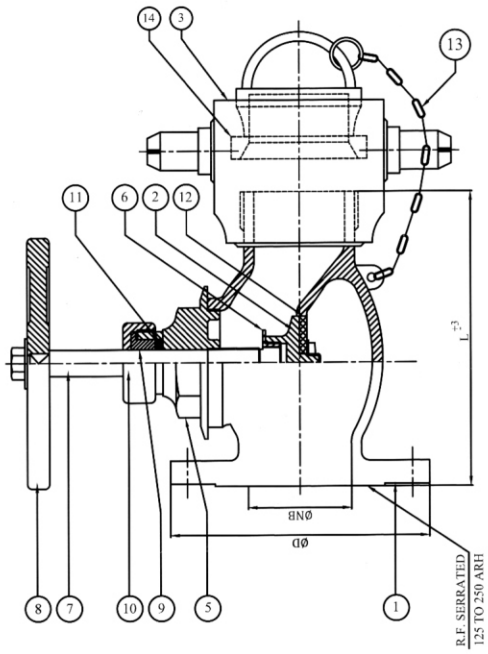
DIMENSION TABLE			
Size DN	MM	50	65
	INCH	2"	2 1/2"
L		240	255
øNB		50.8	63.5
øD		165	185

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	STOP VALVE	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
3	FEMAIL COUPLING	AISI 316	AISI 316	AISI 316	AISI 304
4	BLANK CAP	P.V.C.	P.V.C.	P.V.C.	P.V.C.
5	BONNET	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
6	CHECK NUT	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 351 GR. CF8M	AISI 316
7	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
8	HAND WHEEL	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)
9	GLAND	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 304
10	GLAND NUT	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
11	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
12	VALVE FACING	RUBBER IS 937	RUBBER IS 937	RUBBER IS 937	RUBBER IS 937
13	CHAIN	AISI 304	AISI 304	AISI 304	AISI 304
14	PACKING FEMALE OUTLET	RUBBER IS 937	RUBBER IS 937	RUBBER IS 937	RUBBER IS 937
15	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Fir Hydrant Straight Valve



Design Standards
1. Design and Manufacture Standards as per 5290.
2. Inspection and testing standard as per BS 6755Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. End connection standard as per BS 4504 Part 3.3, RF PN6/PN10/PN16

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

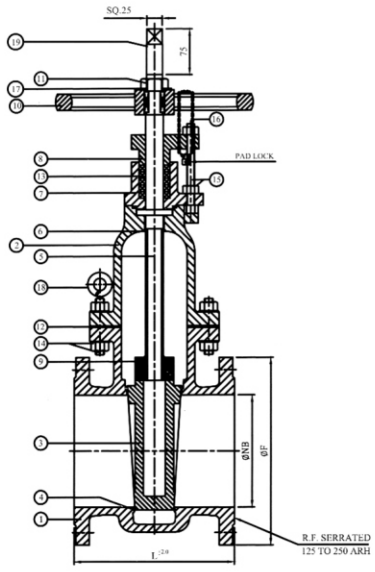
DIMENSION TABLE			
Size DN	MM	50	65
	INCH	2"	2 1/2"
L		180	200
øNB		50.8	63.5
øD		165	185

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	STOP VALVE	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
3	FEMAIL COUPLING	AISI 316	AISI 316	AISI 316	AISI 304
4	BLANK CAP	P.V.C.	P.V.C.	P.V.C.	P.V.C.
5	BONNET	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
6	CHECK NUT	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 351 GR. CF8M	AISI 316
7	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
8	HAND WHEEL	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)
9	GLAND	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 304
10	GLAND NUT	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
11	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
12	VALVE FACING	RUBBER IS 937	RUBBER IS 937	RUBBER IS 937	RUBBER IS 937
13	CHAIN	AISI 304	AISI 304	AISI 304	AISI 304
14	PACKING FEMALE OUTLET	RUBBER IS 937	RUBBER IS 937	RUBBER IS 937	RUBBER IS 937
15	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Non Rising Gate Valve



Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5351
2. Inspection and testing standard as per BS 6775 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. Flow Direction : Bi-Directional
6. Valves to be of Non-rising & rising (Both stem design.
7. End connection standard as RF PN6/PN10/PN16

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

DIMENSION TABLE											
Size DN	MM	50	65	80	100	125	150	200	250	300	350
	INCH	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		178	190	203	229	254	267	292	330	356	381
øNB		50.8	63.5	76	101	126	152	203	254	301	337
øD		165	185	200	220	250	285	340	395	480	505

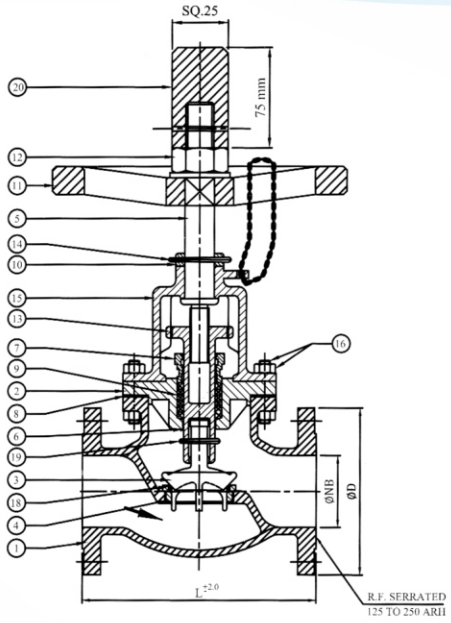
Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	BONNET	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
3	GATE	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
4	SEAT RING	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	BACK SEAT	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
7	STUFFING BOX	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
8	GLAND	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
9	GATE NUT	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
10	HAND WHEEL	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)
11	HAND WHEEL NUT	NAB NES 862	NAB NES 862	AISI 316	AISI 304
12	GASKET	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)
13	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
14	BODY STUD & NUT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
15	YOKE BOLT & NUT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
16	CHAIN + LOCK	AISI 304	AISI 304	AISI 304	AISI 304
17	WASHER	AISI 304	AISI 304	AISI 304	AISI 304
18	LIFTING HOOK	AISI 304	AISI 304	AISI 304	AISI 304
19	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
20	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Globe / SDNR / SDSL Valve



Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5351
2. Inspection and testing standard as per BS 6775 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. Flow Direction : Bi-Directional
6. Valves to be of Non-rising & rising (Both stem design.
7. End connection standard as RF PN6/PN10/PN16

Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

DIMENSION TABLE														
Size DN	MM	25	32	40	50	65	80	100	125	150	200	250	300	350
	INCH	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		127	146	159	178	216	254	292	330	356	495	622	698	787
øNB		25.4	31.8	38.1	50.8	63.5	76	101	126	152	203	254	301	337
øD		115	140	150	165	185	200	220	250	285	340	395	480	505

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

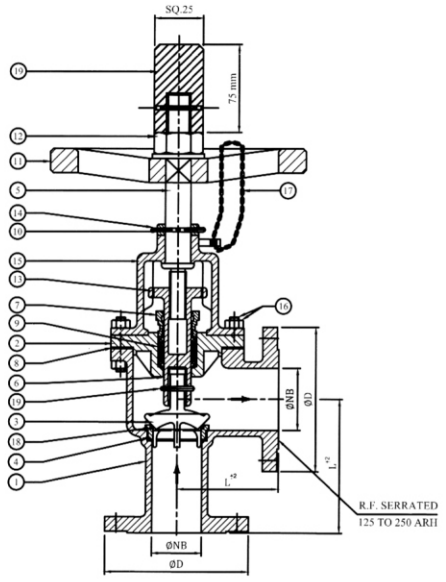
1MPa = 10Bar

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	BONNET	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
3	DISC	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
4	DISC SEAT	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	BACK SEAT	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
7	GLAND BUSH	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
8	GASKET	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)
9	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
10	YOKE BUSH	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
11	HAND WHEEL	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)
12	HAND WHEEL NUT	NAB NES 862	NAB NES 862	AISI 316	AISI 304
13	SPINDLE GUIDE	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
14	COTTER PIN	AISI 304	AISI 304	AISI 304	AISI 304
15	YOKE	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
16	BODY STUD & NUT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
17	CHAIN + LOCK	AISI 304	AISI 304	AISI 304	AISI 304
18	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
19	COTTER PIN	AISI 304	AISI 304	AISI 304	AISI 304
20	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 304
21	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Globe / SDNR / SDSL AngleValve



Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5354
2. Inspection and testing standard as per BS 6775 Part 1 for rate
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. Flow Direction : Bi-Directional
6. Valves to be of Non-rising & rising (Both stem design.
7. End connection standard as per PN6/PN10/PN16

DIMENSION TABLE														
Size DN	MM	25	32	40	50	65	80	100	125	150	200	250	300	350
	INCH	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		85	96	100	115	126	135	146	178	203	248	311	349	394
øNB		25.4	31.8	38.1	50.8	63.5	76	101	126	152	203	254	301	337
øD		115	140	150	165	185	200	220	250	285	340	395	480	505

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

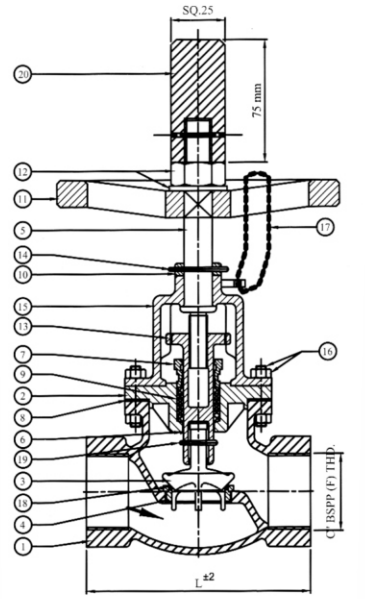
1MPa = 10Bar

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	BONNET	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
3	DISC	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
4	DISC SEAT	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	BACK SEAT	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
7	GLAND BUSH	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
8	GASKET	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)
9	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
10	YOKE BUSH	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
11	HAND WHEEL	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)
12	HAND WHEEL NUT	NAB NES 862	NAB NES 862	AISI 316	AISI 304
13	SPINDLE GUIDE	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
14	COTTER PIN	AISI 304	AISI 304	AISI 304	AISI 304
15	YOKE	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
16	BODY STUD & NUT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
17	CHAIN + LOCK	AISI 304	AISI 304	AISI 304	AISI 304
18	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
19	COTTER PIN	AISI 304	AISI 304	AISI 304	AISI 304
20	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 304
21	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Non Rising Globe/SDNR/SDSL Screwed Valve



TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

1MPa = 10Bar

DIMENSION TABLE					
Size DN	MM	15	20	25	32
	INCH	1/2"	3/4"	1"	1 1/4"
L		108	117	127	146
øNB		12.7	19	25.4	31.8
C'BSPP (F) THD		3/4"	1"	11/4"	1 1/2"

Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5354
2. Inspection and testing standard as per BS 6775 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. Flow Direction : Bi-Directional
6. Valves to be of Non-rising & rising (Both stem design.
7. End connection standard as per BS 21 BSPP (F) THD.

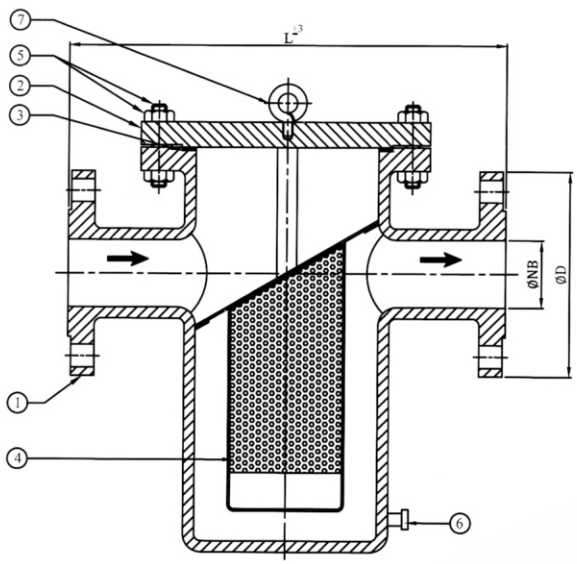
Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	BONNET	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
3	DISC	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
4	DISC SEAT	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	SPINDLE	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	BACK SEAT	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
7	GLAND BUSH	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
8	GASKET	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)	ABESTOS FREE (BS 7531)
9	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
10	YOKE BUSH	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
11	HAND WHEEL	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)	ASTM A 216 GR. WCB (GALV.)
12	HAND WHEEL NUT	NAB NES 862	NAB NES 862	AISI 316	AISI 304
13	SPINDLE GUIDE	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
14	COTTER PIN	AISI 304	AISI 304	AISI 304	AISI 304
15	YOKE	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
16	BODY STUD & NUT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
17	CHAIN + LOCK	AISI 304	AISI 304	AISI 304	AISI 304
18	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
19	COTTER PIN	AISI 304	AISI 304	AISI 304	AISI 304
20	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 304
21	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Strainer Basket Type



Design Standards
1. Design and Manufacture Standards as per ASME B16.34.
2. Inspection and testing standard as per BS 6775 Part 1 for rate 'A'
3. All material are asbestos free.
4. Area through strainer will be 2 times the area of strainer bore.
5.Provision for mesh removal will be provided
6. End connection standard as per BS 4504 Part 3.3, RF PN6/PN10/PN16

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar

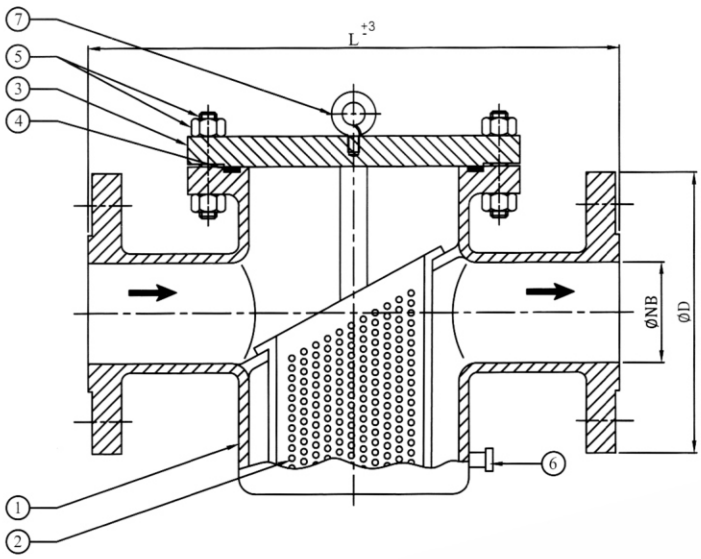
DIMENSION TABLE											
Size DN	MM	50	65	80	100	125	150	200	250	300	350
	INCH	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		230	290	310	350	400	400	480	515	580	680
øNB		51	64	76	102	126	152	203	254	303	337
øD		165	185	200	220	250	285	340	395	480	505

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	SCREEN	SS 316 Cu-Ni	SS 316 Cu-Ni	SS 316 Cu-Ni	SS 304 Cu-Ni
3	COVER	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
4	GASKET	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)
5	STUD & NUT	NAB NES 862	NAB NES 862	ASTIM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTIM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
6	PLUG	BRASS (1/2" BSP THD.)	BRASS (1/2" BSP THD.)	SS 316 (1/2" BSP THD.)	SS 304 (1/2" BSP THD.)
7	LIFTING HOOK	AISI 316	AISI 316	AISI 316	AISI 304
8	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Strainer Mud Box



Design Standards
1. Design and Manufacture Standards as per ASME B16.34.
2. Inspection and testing standard as per BS 6775 Part 1 for rate 'A'
3. All material are asbestos free.
4. Area through strainer will be 2 times the area of strainer bore.
5.Provision for mesh removal will be provided
6. End connection standard as per BS 4504 Part 3.3, RF PN6/PN10/PN16

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar

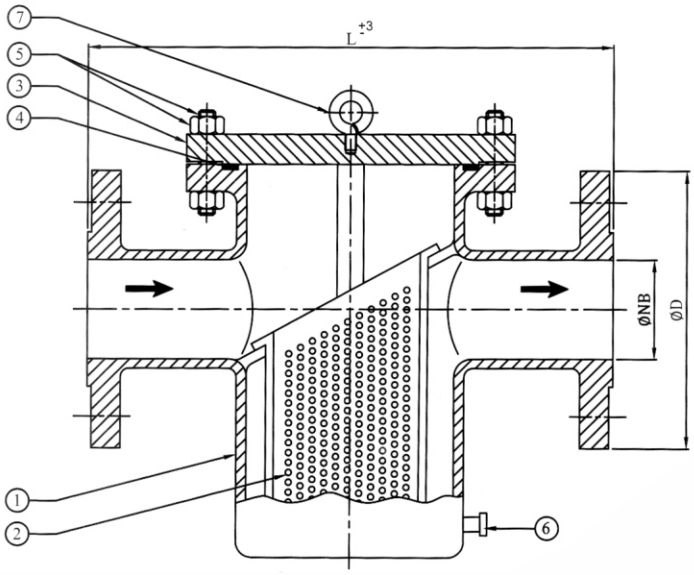
DIMENSION TABLE											
Size DN	MM	50	65	80	100	125	150	200	250	300	350
	INCH	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		230	290	310	350	400	400	480	515	580	680
øNB		51	64	76	102	126	152	203	254	303	337
øD		165	185	200	220	250	285	340	395	480	505

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	SCREEN	SS 316 Cu-Ni	SS 316 Cu-Ni	SS 316 Cu-Ni	SS 304 Cu-Ni
3	COVER	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
4	GASKET	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)
5	STUD & NUT	NAB NES 862	NAB NES 862	ASTIM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTIM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
6	PLUG	BRASS (1/2" BSP THD.)	BRASS (1/2" BSP THD.)	SS 316 (1/2" BSP THD.)	SS 304 (1/2" BSP THD.)
7	LIFTING HOOK	AISI 316	AISI 316	AISI 316	AISI 304
8	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Strainer Simplex Type



Design Standards
1. Design and Manufacture Standards as per ASME B16.34.
2. Inspection and testing standard as per BS 6775 Part 1 for rate 'A'
3. All material are asbestos free.
4. Area through strainer will be 2 times the area of strainer bore.
5.Provision for mesh removal will be provided
6. End connection standard as per BS 4504 Part 3.3, RF PN6/PN10/PN16

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar

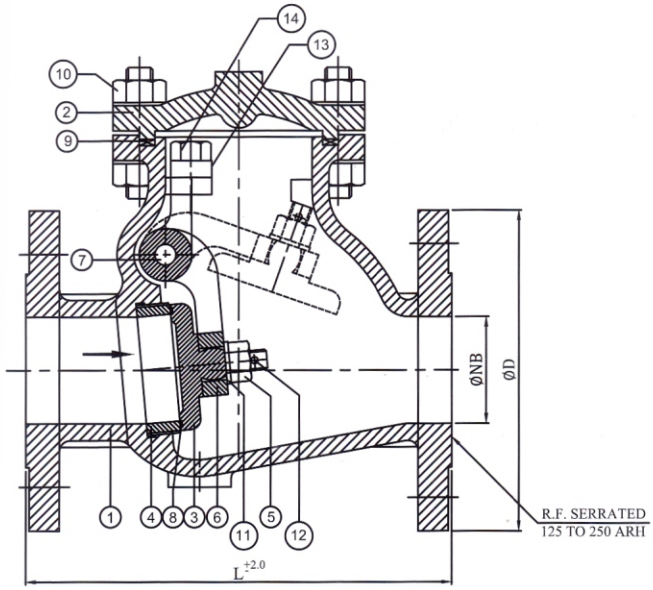
DIMENSION TABLE											
Size DN	MM	50	65	80	100	125	150	200	250	300	350
	INCH	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		230	290	310	350	400	400	480	515	580	680
øNB		51	64	76	102	126	152	203	254	303	337
øD		165	185	200	220	250	285	340	395	480	505

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	SCREEN	SS 316 Cu-Ni	SS 316 Cu-Ni	SS 316 Cu-Ni	SS 304 Cu-Ni
3	COVER	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
4	GASKET	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)	ASBESTOS FREE)BS 7531)
5	STUD & NUT	NAB NES 862	NAB NES 862	ASTIM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTIM A 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
6	PLUG	BRASS (1/2" BSP THD.)	BRASS (1/2" BSP THD.)	SS 316 (1/2" BSP THD.)	SS 304 (1/2" BSP THD.)
7	LIFTING HOOK	AISI 316	AISI 316	AISI 316	AISI 304
8	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Swing Check Valve



Design Standards
1. Design and Manufacture Standards as per BS 1868/BS 5352
2. Inspection and testing standard as per BS 6755 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. Flow Direction : Uni-Directional
6. End connection standard as per BS 4504 Part 3.3, RF PN6/PN10/PN16

DIMENSION TABLE											
Size DN	MM	50	65	80	100	125	150	200	250	300	350
	INCH	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
L		203	216	241	292	330	356	495	622	698	787
øNB		50.8	63.5	76	101	126	152	203	254	301	337
øD		165	185	200	220	250	285	340	395	480	505

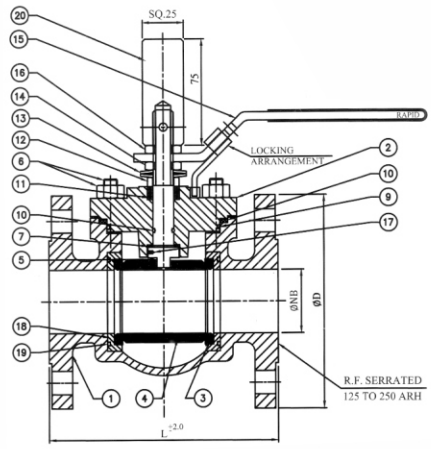
TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	COVER	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
3	DISC	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
4	SEAT RING	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	DISC RETAINING NUT	NAB NES 862	NAB NES 862	AISI 316	AISI 316
6	HINGE	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
7	HINGE PIN	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
8	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
9	COVER SEAL	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)	ASBESTOS FREE (BS 7531)
10	STUD & NUT	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG) & ASTMA 193 GR. 2H (HDG	ASTM A 193 GR. B7 (HDG) & ASTMA 193 GR. 2H (HDG
11	TAB WASHER	AISI 304	AISI 304	AISI 304	AISI 304
12	COTTER PIN	AISI 304	AISI 304	AISI 304	AISI 304
13	HINGE BRACKET	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
14	BOLT FOR BRACKET	NAB NES 862	NAB NES 862	ASTM A 193 GR. B7 (HDG	ASTM A 193 GR. B7 (HDG
15	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Top Entry Ball Valve Flange



FIRE API 607 SAFE DESIGN

Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5351
2. Inspection and testing standard as per BS 6775 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. Flow Direction : Bi-Directional
6. End connection standard as per BS 4504 Part 3.3, RF PN6/PN10/PN16

Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

DIMENSION TABLE										
Size DN	MM	10	15	20	25	32	40	50	65	80
	INCH	1/4	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
L		102	108	117	127	140	165	178	190	203
øNB		10	12.7	19	25.4	31.8	38.1	50.8	63.5	76.2
øD		90	95	105	115	140	150	165	185	200

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

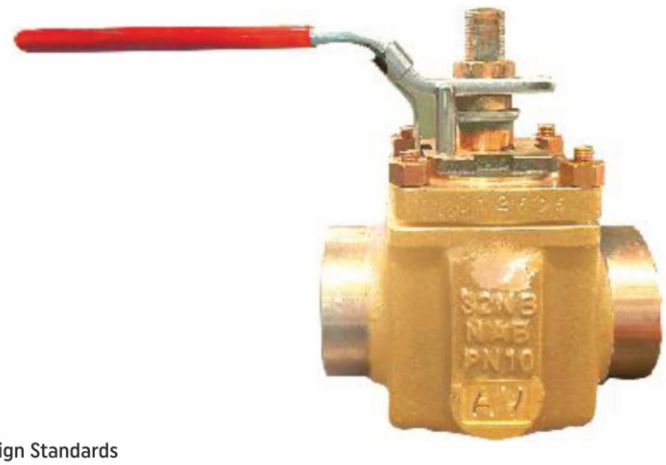
1MPa = 10Bar

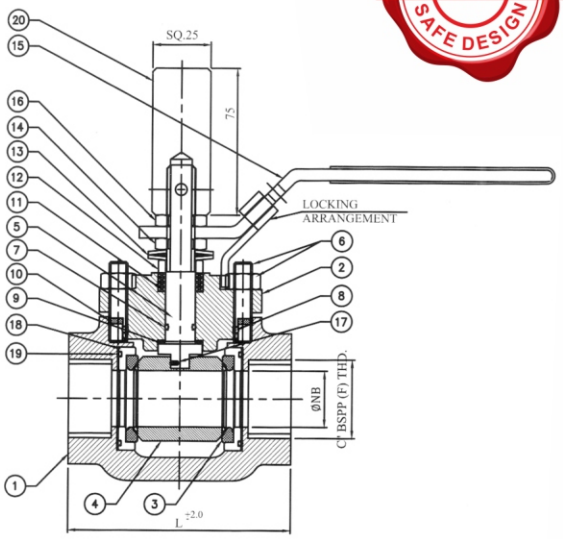
Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	COVER	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
3	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
4	BALL (SOLID)	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	STEM	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	STUD & NUT	NAB NES 862	NAB NES 862	ASTM 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTM 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
7	STEM SEAL	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
8	COVER SEAL	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
9	BODY SEAL	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
10	STEM 'O' RING	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
11	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
12	GLAND	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
13	TAB WASHER	AISI 304	AISI 304	AISI 304	AISI 304
14	GLAND NUT	PHOSPHOR BRONZE BS 2874 PB 102	PHOSPHOR BRONZE BS 2874 PB 102	AISI 304	AISI 304
15	HANDLE	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP
16	HANDLE NUT	PHOSPHOR BRONZE BS 2874 PB 102	PHOSPHOR BRONZE BS 2874 PB 102	AISI 304	AISI 304
17	ANTISTATIC DEVICE	AISI 304	AISI 304	AISI 304	AISI 304
18	SEAT RING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
19	SEAT SEAL	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
20	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
21	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

Top Entry Ball Valve Screwed





Design Standards
1. Design and Manufacture Standards as per NES 375/BS 5351
2. Inspection and testing standard as per BS 6775 Part 1 for rate 'A'
3. All material are asbestos free.
4. All valves will be provided with open close indication.
5. Flow Direction : Bi-Directional
6. End connection standard as per BS 21 BSPP (F) THD.

DIMENSION TABLE						
Size DN	MM	10	15	20	25	32
	INCH	1/4	1/2"	3/4"	1"	1 1/4"
L		70	75	75	96	130
øNB		10	12.7	19	25.4	31.8
øD		1/2"	3/4"	1"	1 1/4"	1 1/2"

Special Features :
- Rotary Actuators
- Electrical Actuators
- Extended Bonnet
- Gear Box
- Rod Gearing Arrangements

TEST PRESSURE			
1. Pressure Grade	Pn6	Pn10	Pn16
2. BodyPressure	9 Bar	15 Bar	22 Bar
3. Seat Pressure	6 Bar	11 Bar	16 Bar

1MPa = 10Bar

Part Details Table

SR. No.	Part List	NAB	GUN METAL	STAINLESS STEEL	CARBON STEEL
1	BODY	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
2	COVER	NAB NES 747 PART 2	BS 1400 LG 4C	ASTM A 351 GR. CF8M	ASTM A 216 GR. WCB
3	SOFT SEAT	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE	REINFORCED PTFE
4	BALL (SOLID)	NAB NES 747 PART 2	NAB NES 747 PART 2	ASTM A 351 GR. CF8M	ASTM A 351 GR. CF8M
5	STEM	NAB NES 833 PART 2	NAB NES 833 PART 2	ASTM A 276 TP 316	ASTM A 276 TP 316
6	STUD & NUT	NAB NES 862	NAB NES 862	ASTM 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)	ASTM 193 GR. B7 (HDG) & ASTM A 193 GR. 2H (HDG)
7	STEM SEAL	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
8	COVER SEAL	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
9	BODY SEAL	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
10	STEM 'O' RING	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
11	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
12	GLAND	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
13	TAB WASHER	AISI 304	AISI 304	AISI 304	AISI 304
14	GLAND NUT	PHOSPHOR BRONZE BS 2874 PB 102	PHOSPHOR BRONZE BS 2874 PB 102	AISI 304	AISI 304
15	HANDLE	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP	AISI 304 WITH PVC GRIP
16	HANDLE NUT	PHOSPHOR BRONZE BS 2874 PB 102	PHOSPHOR BRONZE BS 2874 PB 102	AISI 304	AISI 304
17	ANTISTATIC DEVICE	AISI 304	AISI 304	AISI 304	AISI 304
18	SEAT RING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
19	SEAT SEAL	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE	VITON B WITH 68% FLOURINE
20	ROD GEARING	NAB NES 833 PART 2	NAB NES 833 PART 2	AISI 316	AISI 316
21	TALLY PLATE	AISI 304	AISI 304	AISI 304	AISI 304

*Also Available in LCB, Alloy 20, Super Duplex Stainless Steel, Monal, Hast Alloy 'B' & 'C', and any other specified material.
*Seat : Rulon, Glass filled PTFE, Carbon Filled, PEEK or any other specified material.
*(Other types of gaskets & gland packing can be provided as per service conditions & clients' requirements).

BUILT FOR PRESSURE.
DESIGNED FOR PERFORMANCE

Notes

ATAM®
VALVES

YOUR FLOW OUR COMMITMENT

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