GE Valve™

Manufacturer of
Industrial Valves

www.gevalve.in

AN ISO 9001:2015 TUV Certified Company

AN OVERVIEW

Established in the year 2011 at Rajkot (Gujarat) India. We Ghanshyam Engineering are the leading manufacturer and supplier of industrial valves like Ball valves, Gate valves, Globe valves, Check valves & Butterfly valve.

Our skilled professionals Design & Manufacture these products using the best quality raw material and latest technology. These products are manufactured with high level of accuracy complying with quality norms accepted globally. Offered products are extensively used in diverse industries and are recognized for features like durable finish, robust construction, high strength, sturdiness, perfect finish, dimensional accuracy & precision.

Our premises have testing facilities for the assembled valves. Before dispatch our QC team performs entire relevant test. Besides we have developed a wide range of products in various specifications for offering flexible options to client. Moreover we have an ultra modern infrastructure base that enables us to manufacture entire series of product in bulk.

A systematically distributed technical department like Design & Development, Finance, Purchase, Production, Quality & Dispatch allows us to fulfill the clients request chronologically.

Our skilled personnel have in depth knowledge & experience in their own domains and make ingenious effort to achieve set business goals punctually.

OUR MISSION

We seek to develop excellent, efficient and cost effective solutions, amalgamated with innovation in the domain of engineering with integrity; using creativity, technological intelligence and dedication.

APPLICATIONS

- Refineries
- Oil mills
- Chemical plants
- Mining industries
- Sewage Plants
- Water Treatment
- Water Supply Plants
- Thermal plants
- Nuclear Plants
- Pharmaceutical Plants
- Fertilizers
- Petrochemical Plants

OUR TEAM

Our knowledgeable team of skilled professionals works keenly to accomplish our set goals in the best possible manner. Possess rich experience and knowledge in their individual domains; our trained professionals present our customers with excellent quality products as per their precise necessities. Our professionals are strength of our organizations and are highly proficient to achieve leader position in the business. Also, we conduct several training sessions and other skill enhancing programs for our experts.

MANUFACTURING PROCESS CYCLE

ISO 9001:2015(E)

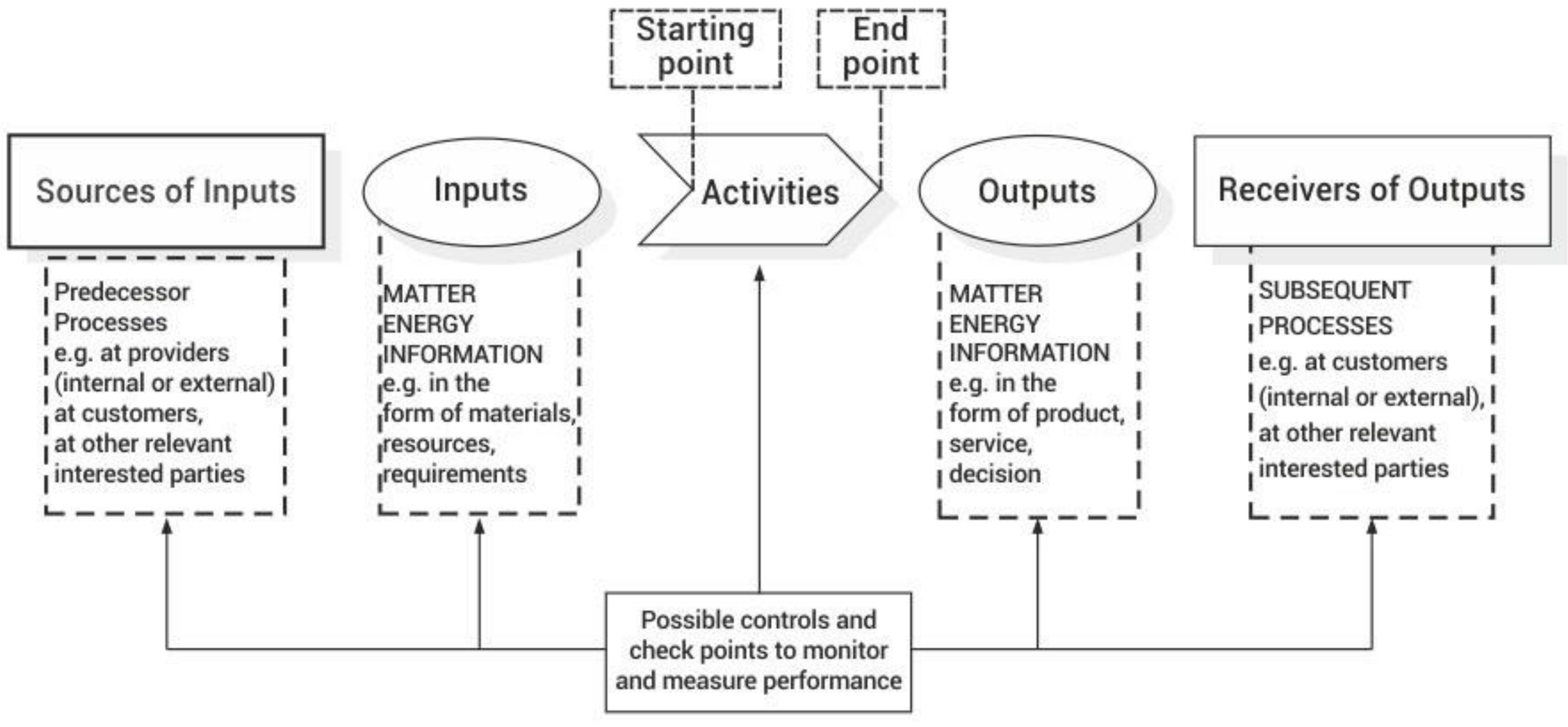
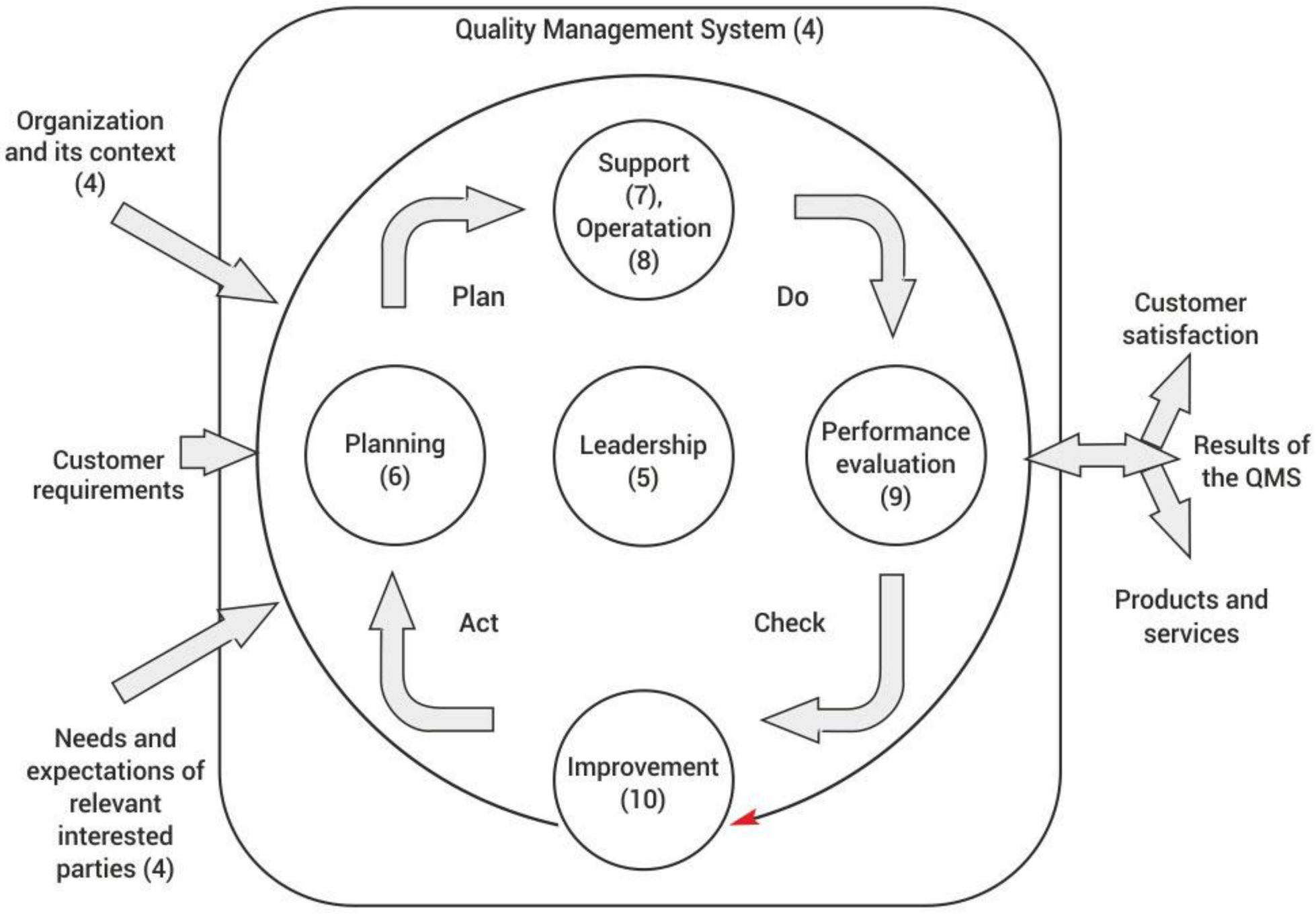


Figure 1 - Schematic representation of the elements of a single process

PLAN DO CHECK ACT CYCLE



Numbers in brackets refer to the causes in this international Standard

INSPECTION METHODS

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COMMON TEST / INSPECTION METHODS		
TEST / INSPECTION	METHOD	ACCEPTANCE CRITERIA
Visual Inspection		MSS SP55
Chemical Analysis	ASTM E350	Relevant ASTM
Mechanical Properties	ASTM A370	Relevant ASTM
Radiographic Inspection	ASME B16.34	ASME B16.34
Magnetic Particle Inspection	ASTM E709	ASME B16.34
Liquid Penetrant Inspection	ASTM E165	ASME B16.34
Ultrasonic Inspection	ASTM A388	ASME B16.34
Positive Material Identification (PMI)	Vacuum emission Spectrometer	Customer Specification
Pressure Testing	API 600/API 598/BS 6755 PART 1	API 600/API 598/BS 6755 PART 1
Dimensional Inspection		Valve Standard

INSPECTION METHODS

COMMON TEST / INSPECTION METHODS				
ASME CLASS	HYDROSTATIC TEST PRESSURE IN kg/cm² (PSIG)			PNEUMATIC LOW PRESSURE CLOSURE TEST PRESSURE IN IN kg/cm² (PSIG)
	SHELL	BACK SEAT	SEAT	
150	32 (450)	22 (315)	22 (315)	7 (100)
300	79 (1125)	57 (815)	57 (815)	7 (100)
600	156 (2225)	115 (1630)	115 (1630)	7 (100)
800	207 (2963)	153 (2173)	153 (2173)	7 (100)
900	236 (3350)	172 (2445)	172 (2445)	7 (100)
1500	392 (5575)	287 (4080)	287 (4080)	7 (100)
2500	652 (9275)	477 (6790)	477 (6790)	7 (100)

APPLICATIONS


Chemical and Process industries


Refineries


Petrochemicals & Fertilizer Plants


Pharmaceuticals


Thermal & Nuclear Plants


Food & Beverage industries


Effluent Treatment & Sewage Plants


Water Treatment


Cooling water & Water supply plants


Mining Industries

TRUNNION MOUNTED BALL VALVE

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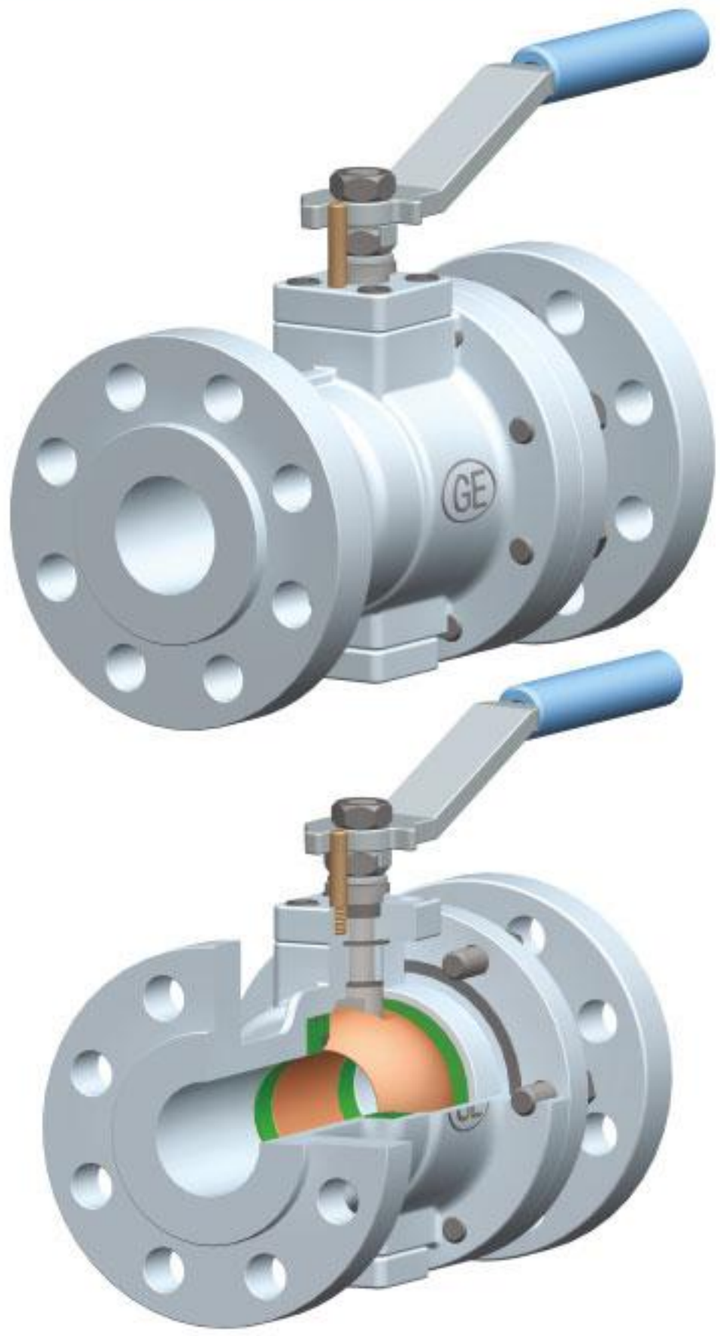
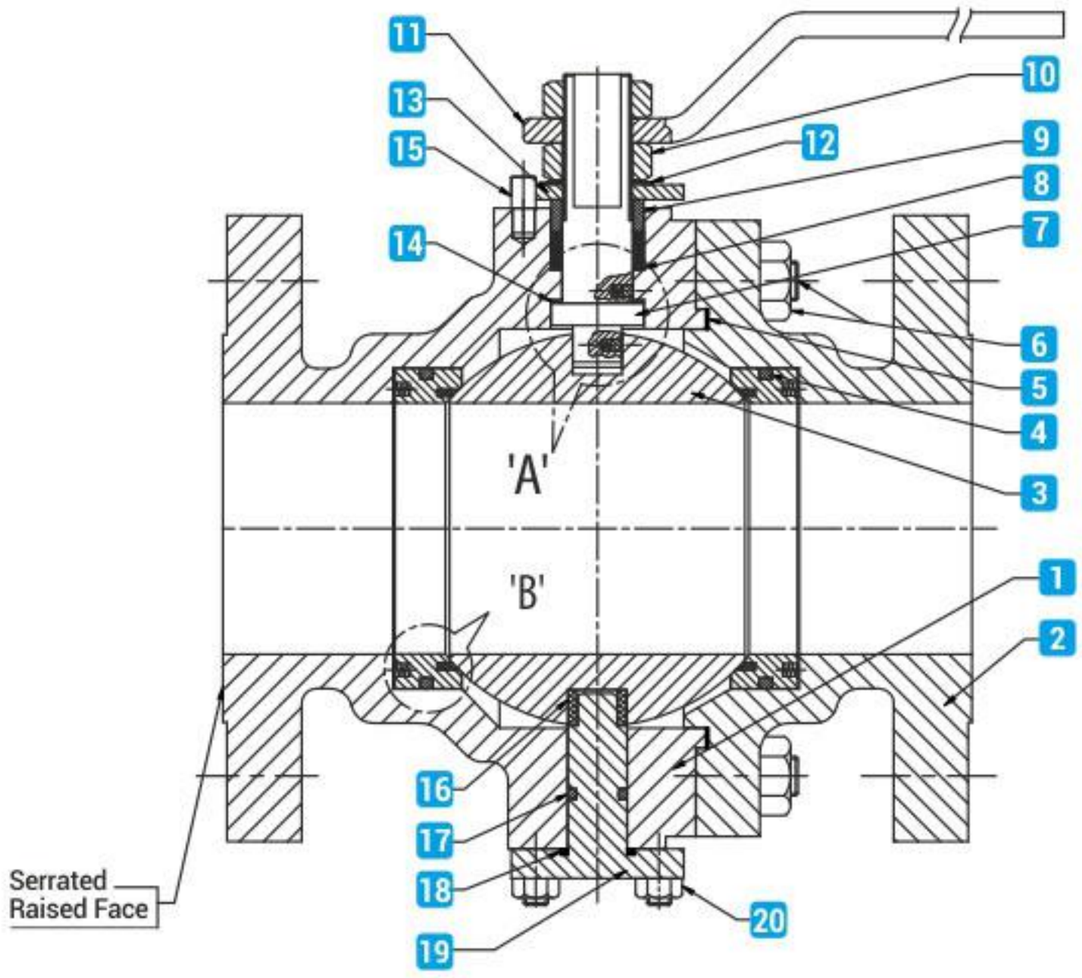




Specifications & Standards	
Design & Manufacture	: ISO 17292 / BS 5351 / API 6D/ ANSI B16:34
Body & Trim	: Nace MR 01-75
Casting Inspection	: MSS SP-53, 55, 59, 94
Testing	: BS 6755 Part-I / API 598
Fire Safe	: API 607, API 6FA / BS 6755 Part II
Valve Bore	: ISO 17292 / API 6D
Flange Dimensions	: ANSI B16.5 / B16.47 / MSS SP-44
Drain / Vent / Bypass	: MSS SP-45 / API 6D
SW END	: ANSI B16.11
BW END	: ANSI B16.25 / B31.8
Thread END	: ANSI B 1.20.1 / ANSI B 2.1
Face to Face	: ANSI B16.10 / API-6D

Design Features

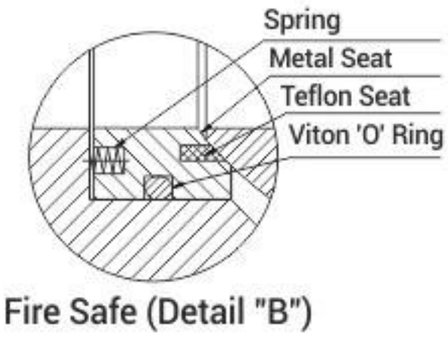
- Anti-Static Device & Blowout Proof
- Corrosion Protection & Painting
- Sealant System & Lubricant
- Multiple Stem Sealing
- Double Block & Bleed
- Double Body Sealing
- Fire Safe Design

API 6D: Inspection & Testing

Class	Minimum Test Pressure in PSIg		
	Body	Seat	
	Hydrostatic	Hydrostatic	Air
300	1110	815	90

No.	Name	Material
1	Body	CS / CF8 / CF8M / CF3M
2	Side PC.	CS / CF8 / CF8M / CF3M
3	Ball	ASTM A351 Gr. CF8 / CF8M / CS+ENP
4	Seat Ring	ASTM A 276 T 304 / 316 / ASTM A105 + PTFE / Peek / Nylon
5	Packing Ring	GRAFOIL / CFT / GFT / PTFE / NYLON
6	Body Stud/Nut	ASTM A193 Gr. B7/ASTM A194 Gr. 2H
7	Stem	ASTM A 276 T 304 / 316 / 410
8	Gland Packing	GRAFOIL / CFT / GFT / PTFE / NYLON
9	Gland Bush	ASTM A 276 T 304 / 316 / 410
10	Gland Nut	CS+ZN PLATED / SS
11	Lever	CARBON STEEL
12	Spring Washer	SPRING STEEL
13	Stopper Plate	CARBON STEEL
14	Stem Seal	GRAFOIL / CFT / GFT / PTFE / NYLON
15	Stop Pin	ASTM A 276 T 304 / 316 / 410
16	Trunnion Bush	P.T.F.E. / NYLON
17	Trunnion 'O' Ring	VITON / PTFE
18	Trunnion Packing	GRAFOIL / CFT / GFT / PTFE / NYLON
19	Trunnion	ASTM A351 Gr. CF8 / CF8M / 216 GR WCB
20	Trunnion Stud/Nut	ASTM A193 Gr. B7/ASTM A194 Gr. 2H

Antistatic Device (Detail "A")



Fire Safe (Detail "B")

BOLTED BONNET STEEL GATE VALVE

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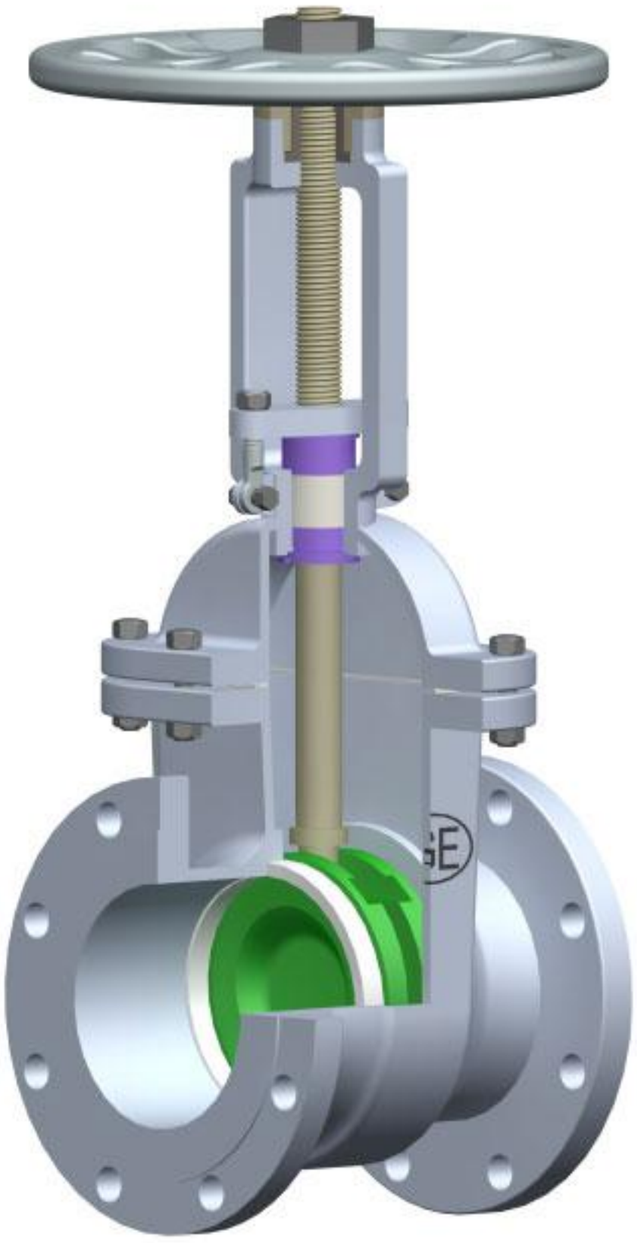

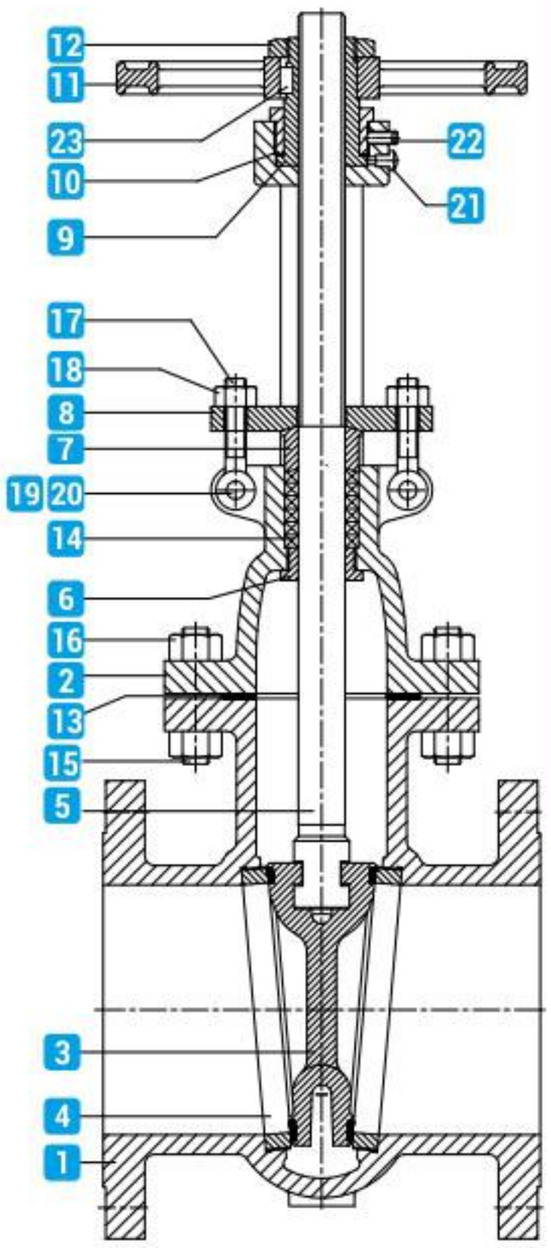

MANUFACTURER OF INDUSTRIAL VALVES

MATERIALS FOR PARTS

Part	Material
Body and Bonnet	ASME B16.34, Group 1 and Group 2
Gate	Steel, corrosion resistance to body material
Yoke, Separate	Carbon Steel or same material as the bonnet
Bolting: Bonnet-to-Body	Bolt ASTM A193-B7 & nuts ASTM A194-2H.
Bolting: Gland and Yoke	ANSI ASTM A307 Grade B
Seat Ring	Weld Face, corrosion resistance to body material
Gland Flange	Steel
Gland	Material with melting point above 955° C
Packing	Temperature range from – 29° C to 538° C
Stem Nut	Austenitic ductile iron or copper alloy above 955° C
Hand Wheel	Malleable iron, carbon steel or ductile iron
Hand Wheel Nut	Steel, Malleable, ductile or Non-Ferrous Copper Alloy
Pipe Plugs	Steel, Cast iron plug shall not be used
Bypass piping and valves	Steel
Pin, Double Disk Stem to Gate	Austenitic Stainless Steel
Identification Plate	Austenitic Stainless Steel or Nickel Alloy
Lantern Ring	Corrosion resistance equal to that of body material
Bonnet Gasket	Corrosion resistance equal to that of body material

Maximum allowable gas leakage rate		
Valve size range DN	**mm3 / s**	**Bubbles / s**
DN < 50	0	0
65 < DN 150	25	0.4
200 < DN < 300	42	0.7
350 < DN	58	0.9

No.	Name	Material
1	Body	CS / CF8 / CF8M / CF3M
2	Bonnet	CS / CF8 / CF8M / CF3M
3	Wedge	ASTM A 276 T 304 / 316 / 410
4	Seatring	CS + 13% Cr. Facing
5	Stem	ASTM A 276 T 304 / 316 / 410
6	Backseat Bush	ASTM A 276 T 304 / 316 / 410
7	Gland Bush	ASTM A 276 T 304 / 316 / 410
8	Gland Flange	Carbon Steel
9	Yoke Sleeve	Carbon Steel / ASTM A 276 T 304 / 316 / 410
10	Yoke Nut	Carbon Steel
11	Handwheel	WCB / SG Iron
12	Hand Wheel Nut	Carbon Steel
13	Gasket	Spiral Wound SS 316+GRAFOIL
14	Gland Packing	GRAFOIL / CFT / GFT / PTFE / NYLON
15	Stud	ASTM A 194 Gr. B7
16	Nut	ASTM A 194 Gr. 2H
17	Eye Bolt	Carbon Steel
18	Eye Bolt NU	Carbon Steel
19	Cross Bolt	Carbon Steel
20	Cross Bolt NU	Carbon Steel
21	Grease Nipple	Carbon Steel
22	Grub Screw	Carbon Steel
23	Key	Carbon Steel

SWING CHECK VALVE

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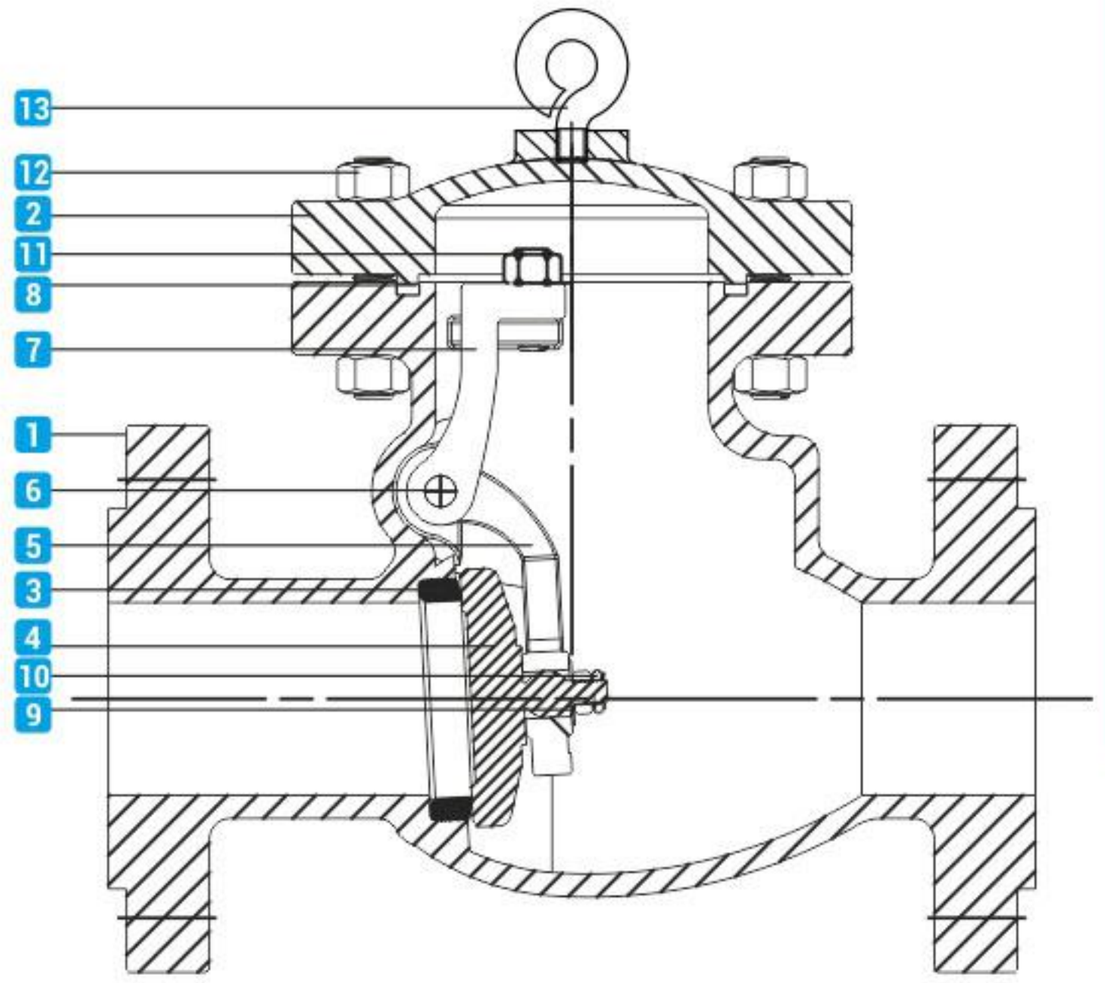

No.	Name	Material
1	Body	CS / CF8 / CF8M / CF3M
2	Cover	CS / CF8 / CF8M / CF3M
3	Seat Ring	ASTM A 276 T 304 / 316 / 410
4	Disc	ASTM A 105 + 13% Cr / 304 / 316
5	Hinge	CS / CF8 / CF8M / CF3M
6	Hinge Pin	SS 410 / 304 / 316
7	Hinge Guide	CS / CF8 / CF8M / CF3M
8	Body Gasket	SPWND SS316 + GRAFOIL
9	Disc Washer	CS / SS
10	Disc Nut & Lock Nut	CS / SS
11	Bracket Stud Nut	ASTM A 193 Gr B7 / 2H
12	Body Stud Nut	ASTM A 193 Gr B7 / 2H
13	Eye Bolt	CS / SS

Specifications & Standards	
Design & Manufacture	: BS1868 / API 6D/ANSI B16:34
Body & Trim	: Nace MR 01-75
Casting Inspection	: MSS SP-53, 55, 59, 94
Testing	: BS 6755 Part-I / API 598
Flange Dimensions	: ANSI B16.5 / B16.47 / MSS SP-44
Face to Face	: ANSI B16.10 / API-6D

The minimum test duration as follows:		
Valve Size	Shell Test	Back Seat / Seat Test
DN15 TO DN 50	15 Seconds	15 Seconds
DN150 TO DN 250	60 Seconds	60 Seconds
DN300 TO DN 450	120 Seconds	120 Seconds
DN500 &LARGER	300 Seconds	300 Seconds

API 6D: Inspection & Testing			
Class	Minimum Test Pressure in PSIg		
	Body	Seat	
	Hydrostatic	Hydrostatic	Air
150	430	315	90

GLOBE VALVE

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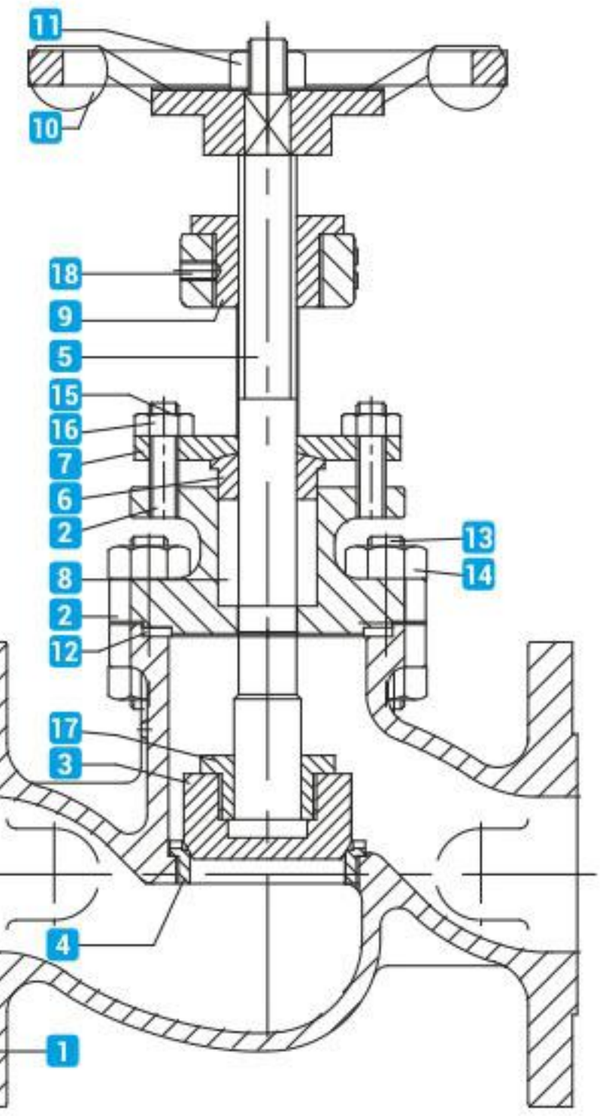

No.	Name	Material
1	Body	CS / CF8 / CF8M / CF3M
2	Bonnet	CS / CF8 / CF8M / CF3M
3	Plug	SS 410 / 304 / 316
4	Seatring	SS 410 / 304 / 316
5	Stem	SS 410 / 304 / 316
6	Gland Bush	SS 410 / 304 / 316
7	Gland Flange	Carbon Steel / SS
8	Gland Packing	GRAFOIL / CFT / GFT / PTFE
9	Yoke Sleeve	CS / SS
10	Hand Wheel	CS / SG Iron
11	Handwheel Nut	Carbon Steel
12	Gasket	SPWND SS 316 + Grafoil
13	Stud	ASTM A 194 Gr. B7
14	Nut	ASTM A 194 Gr. 2H
15	Eye Bolt	Carbon Steel
16	Eye Bolt Nut	Carbon Steel
17	Disc Nut	SS 410 / 304 / 316
18	Grub Screw	Carbon Steel

Specifications & Standards	
Valve Design	: BS 1873 / ANSI B 16.34
Pressure Testing	: BS 6755 Part I
Pressure Temp. Rating	: ANSI B 16.34
Face to Face	: ANSI B 16.10 / DIN STD.
Flange Drilling	: ANSI B 16.5 / BS 10 Table / IN / IS Std.
Butt Weld En	: ANSI B 16.25
Socket Weld End	: ANSI B 16.11
Screwed End	: ANSI B 1.20.1 / ANSI B 2.1 (BSP/NPT)

TEST DURATION

Nominal Valve Size DN	Minimum Test Duration (seconds)		
	Shell Test	Back Seat Test	Seat Test
Upto DN 50	15	15	15
DN 65 to DN 150	60	15	60
DN 200 to DN 300	120	15	120
DN 350 & larger	300	15	120

BUTTERFLY VALVE

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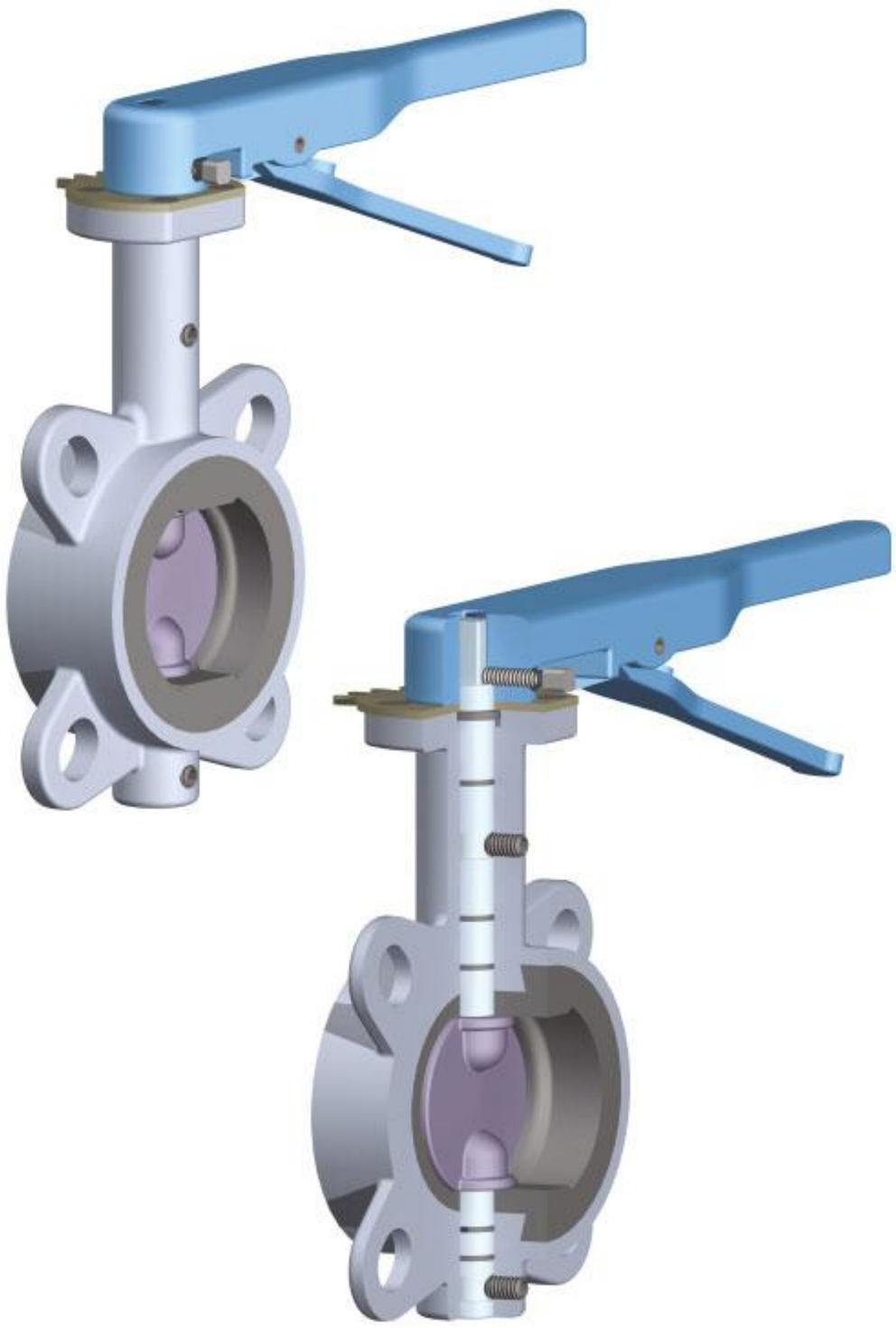
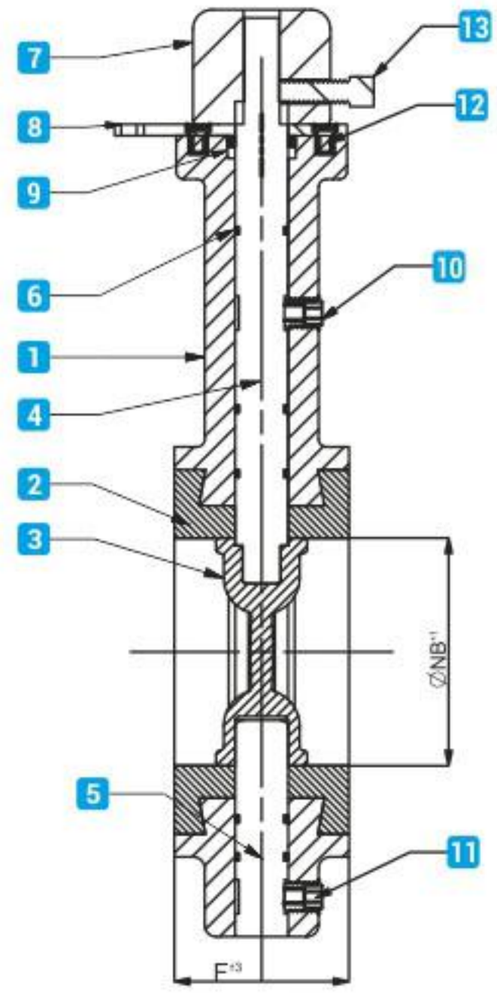




MANUFACTURER OF INDUSTRIAL VALVES

No.	Name	Material
1	BODY	CI/WCB
2	LINER	NITRILE/EPDM/VITON/SILICON/PTFE
3	DISC	CF8/CF8M
4	Stem	AISI 410/AISI 304/AISI 316
5	TRUNION	AISI 410/AISI 304/AISI 316
6	O-RING	EPDM/VITON/NITRILE
7	HANDLE	MS/CS
8	NOTCH DISC	CS
9	BEARING BUSH	PTFE/BRONZE
10	GRIP NUT	CS/SS
11	TRUNION GRUB SCREW	CS/SS
12	SCREW BOLT	CS/SS
13	HANDLE BOLT	CS/SS

Features:

- Available in Centric Wafer / Lugged design
- Single, double eccentric design
- Bubble tight shut off
- Less wear and tear of seal and longer life
- Self-cleaning and non-jamming seat design
- Low operating torque
- Rigid and sturdy design

Applications:

- Ideal for throttling as well as isolation Power plants
- Water supply and sewage
- Chemical and petrochemical plants
- Water works
- Water / Effluent / Sewage treatment plants

Range:

- Conforming to IS:13095/BSEN 593
- BS: 5155/AWWA C504
- Size 50mm to 900mm - Centric type
- Pressure up to PN1.6 / Class 250

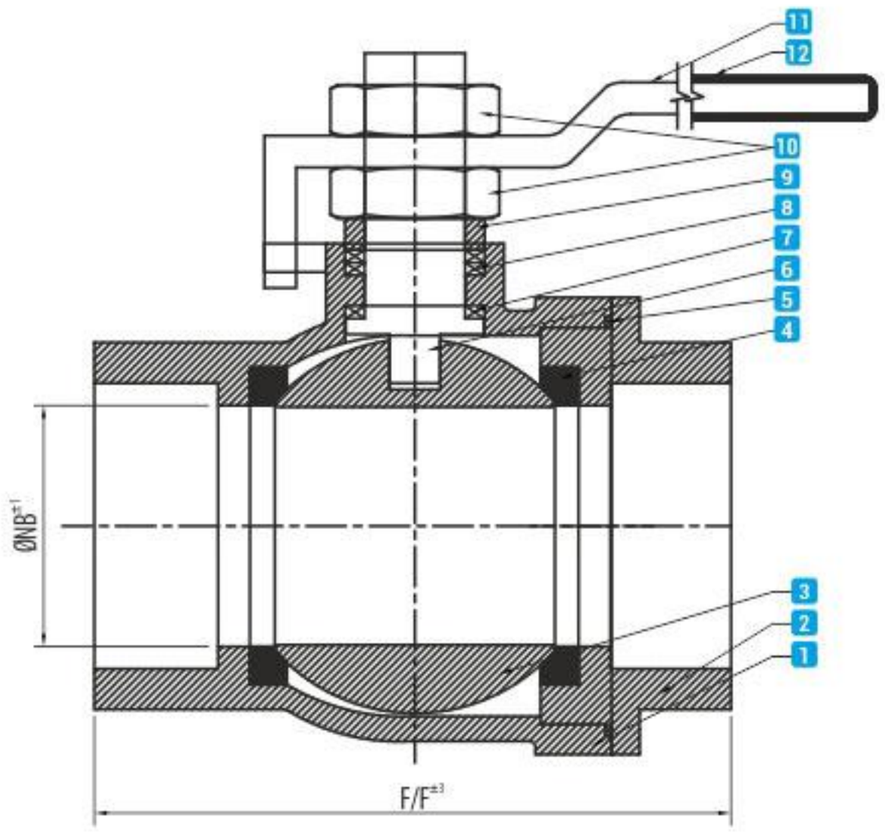
Specifications & Standards	
Design Standard	: API 609/BS 5155
End Connection	: ASME B16.5RF/Lug End

Dimension are in mm

Part	150#			300#			600#		
	(Flanged) F	(Wafer) F	H	(Flanged) F	(Wafer) F	H	(Flanged) F	(Wafer) F	H
50	108	43	180	--	--	180	150	--	180
65	112	46	190	--	--	190	170	--	190
80	114	48	230	114	48	230	180	54	230
100	127	54	240	127	54	240	190	64	240
150	140	57	290	140	59	290	210	78	290
200	152	64	335	152	73	335	230	102	335
250	165	71	390	165	83	390	250	117	390
300	178	81	415	178	92	415	270	140	415
350	190	92	550	190	117	550	290	155	550
400	216	102	580	216	133	580	310	178	580
450	222	114	635	222	149	635	330	200	635
500	229	127	670	229	159	670	350	216	670
600	267	154	730	267	181	730	390	232	730

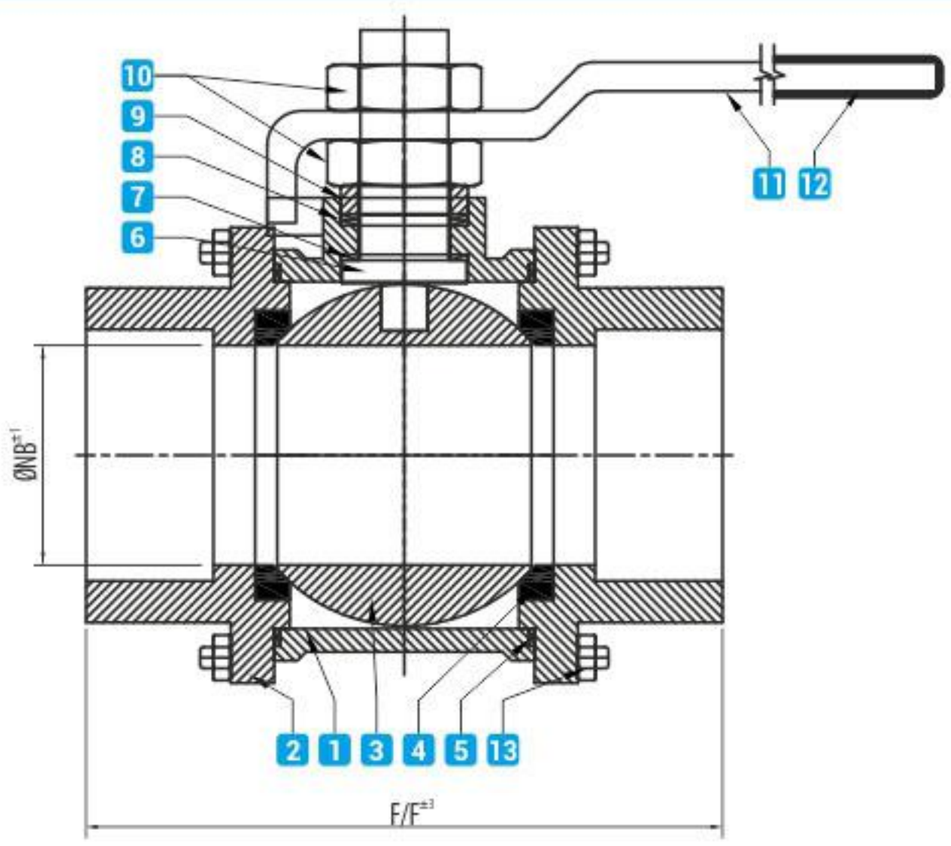
SINGLE PIECE THREADED BALL VALVES

Dimensions (150#)					
Size	15mm	20mm	25mm	40mm	50mm
ØNB (mm)	12.5	19	25	38	50
F/F (mm)	60	70	85	100	115



THREE PIECE THREADED BALL VALVES

Dimensions (150#)					
Size	15mm	20mm	25mm	40mm	50mm
ØNB (mm)	12.5	19	25	38	50
F/F (mm)	60	70	85	100	115



Technical Specification (Material Data Sheet)				
No.	Description	WCB	CF8	CF8M
1	Body	ASTM A 216 Gr. WCB	ASTM A 351 Gr. CF8	ASTM A 351 Gr. CF8M
2	Nut	ASTM A 216 Gr. WCB	ASTM A 351 Gr. CF8	ASTM A 351 Gr. CF8M
3	Ball	SS 202 / SS 304	SS 304	SS 316
4	Seatring	PTFE	PTFE	PTFE
5	Body Seal	PTFE	PTFE	PTFE
6	Stem	SS 202 / SS 304	SS 304	SS 316
7	Stem Seal	PTFE	PTFE	PTFE
8	Gland Packing	PTFE	PTFE	PTFE
9	Gland	SS 202 / SS 304	SS 304	SS 316
10	Gland Nut & Lock Nut	MS + Zinc Plated	MS + Zinc Plated / SS	MS + Zinc Plated / SS
11	Lever	MS + Zinc Plated	MS + Zinc Plated / SS	MS + Zinc Plated / SS
12	Sleeve	Rubber	Rubber	Rubber
13	Stud Nut	MS	SS	SS

Technical Data		Test Type	Class 150		Class 300	
			Kg / Cm2	PSIG	Kg / Cm2	PSIG
Design & Manufacturing Std	: ISO 17292 / BS 5351/ASME B16.34	Hydro Body	32	430	78	1110
Testing & Inspection	: API 598/BS 6755	Hydro Seat	22	315	56	815
Face To Face	: Manufacturing Standard	Air / Pneumatic	7	80	7	80
End Connection	: Screwed End					

TWO PIECE FLANGE END BALL VALVE

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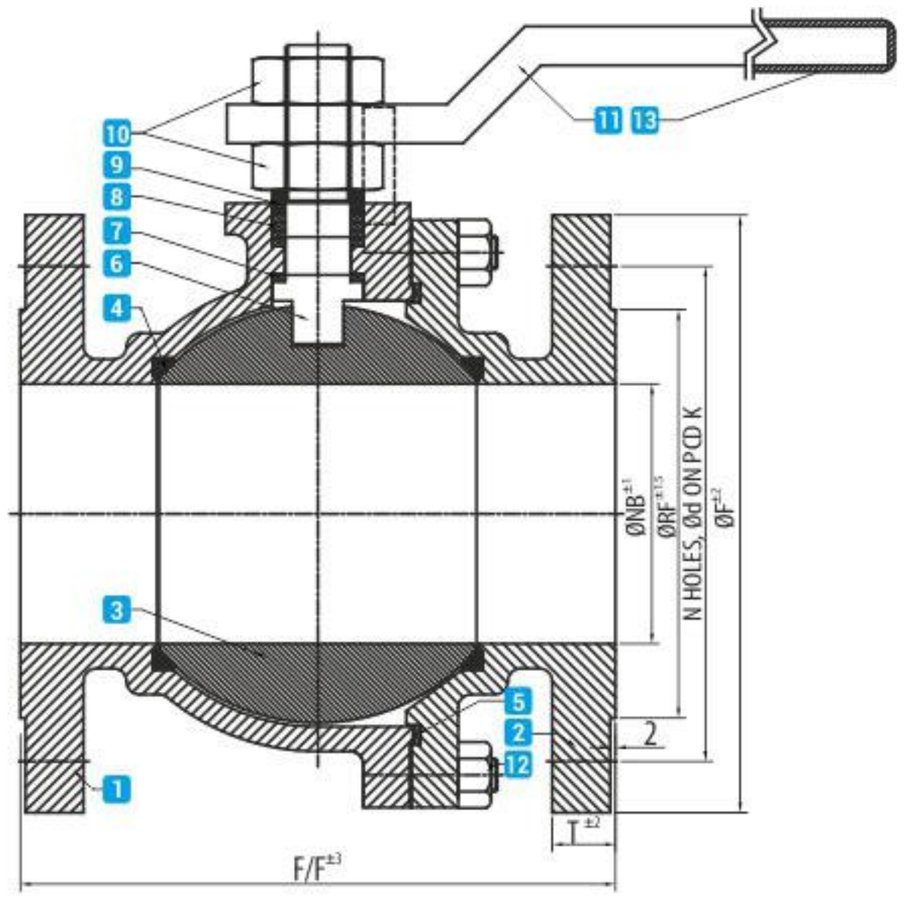
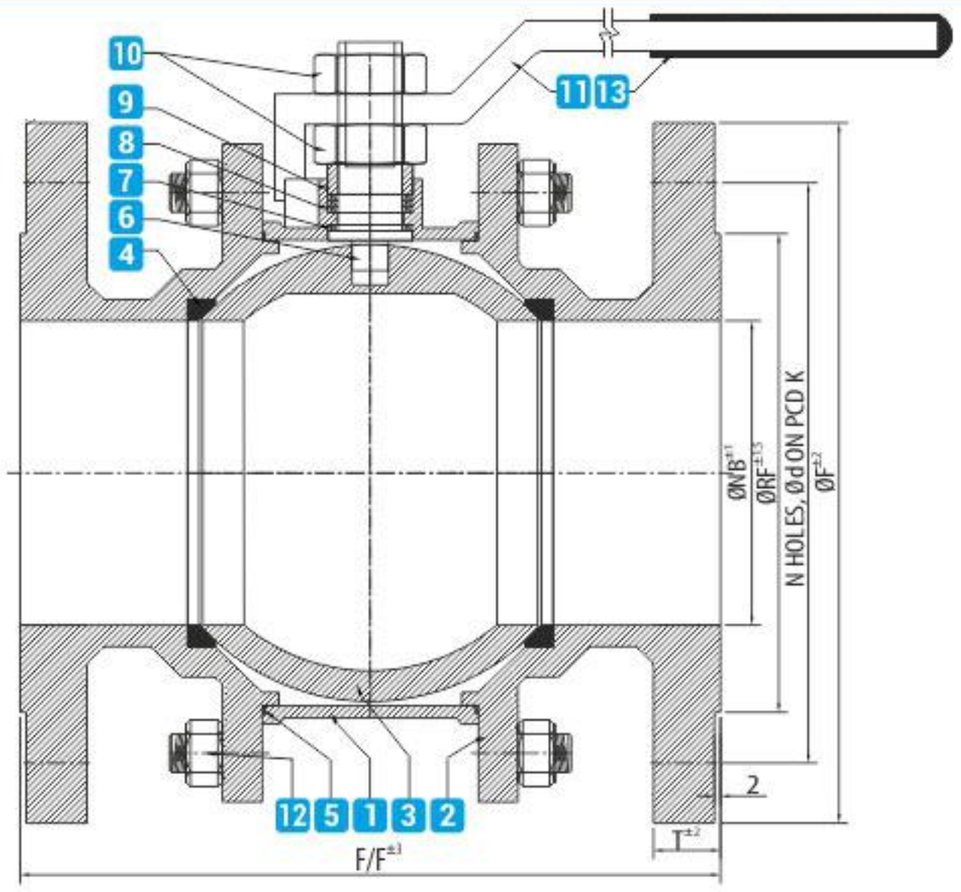


THREE PIECE FLANGE END BALL VALVE



Technical Specification (Material Data Sheet)				
No.	**Description**	**WCB**	**CF8**	**CF8M**
1	Body	ASTM A 216 Gr. WCB	ASTM A 351 Gr. CF8	ASTM A 351 Gr. CF8M
2	Side Piece	ASTM A 216 Gr. WCB	ASTM A 351 Gr. CF8	ASTM A 351 Gr. CF8M
3	Ball	SS 304	SS 304	SS 316
4	Seatring	PTFE	PTFE	PTFE
5	Body Seal	PTFE	PTFE	PTFE
6	Stem	SS 410	SS 304	SS 316
7	Stem Seal	PTFE	PTFE	PTFE
8	Gland Packing	PTFE	PTFE	PTFE
9	Gland	SS 410	SS 304	SS 316
10	Gland Nut & Lock Nut	MS + Zinc Plated	MS + Zinc Plated / SS	MS + Zinc Plated / SS
11	Lever	MS + Zinc Plated	MS + Zinc Plated / SS	MS + Zinc Plated / SS
12	Stud Nut	MS	SS	SS
13	Sleeve	Rubber	Rubber	Rubber

Technical Data	
Design & Mfg. Std	: ISO 17292 / BS 5351/ASME B16.34
Testing & Inspection	: API 598/BS 6755
Face To Face	: ASME B16.10
End Connection	: ASME B16.5

Dimensions: Class - 150								
SIZE	**ØNB (MIN)**	**F/F**	**ØF**	**ØRF**	**N**	**ØD**	**K**	**T**
15	13	108	90	34.9	4	15.9	60.3	10
20	19	117	100	42.9	4	15.9	69.9	10.9
25	25	127	110	50.8	4	15.9	79.4	11.6
32	32	140	115	63.5	4	15.9	88.9	13.2
40	38	165	125	73	4	15.9	98.4	14.7
50	49	178	150	92.1	4	19.1	120.7	16.3
65	62	191	180	104.8	4	19.1	139.7	17.9
80	74	203	190	127	4	19.1	152.4	19.5
100	100	229	230	157.2	8	19.1	190.5	24.3
150	150	267	280	215.9	8	22.2	241.3	25.9
200	201	292	345	269.9	8	22.2	298.5	29
250	252	330	405	323.8	12	25.4	362	30.6

Dimensions: Class - 300								
SIZE	**ØNB (MIN)**	**F/F**	**ØF**	**ØRF**	**N**	**ØD**	**K**	**T**
15	13	140	95	34.9	4	15.9	66.7	12.7
20	19	152	115	42.9	4	19.1	82.6	14.3
25	25	165	125	50.8	4	19.1	88.9	17.9
32	32	178	135	63.5	4	19.1	98.4	19.5
40	38	190	155	73	4	22.2	114.3	21.1
50	49	216	165	92.1	8	19.1	127	22.7
65	62	241	190	104.8	8	22.2	149.2	25.9
80	74	282	210	127	8	22.2	168.3	29
100	100	305	255	157.2	8	22.2	200	32.2
150	150	403	320	215.9	12	22.2	269.9	37
200	201	419	380	269.9	12	25.4	330.2	41.7
250	252	457	445	323.8	16	28.6	387.4	48.1

All dimensions are in mm

Note: Due to constant up gradation, dimensions are subject to change by the manufacturer

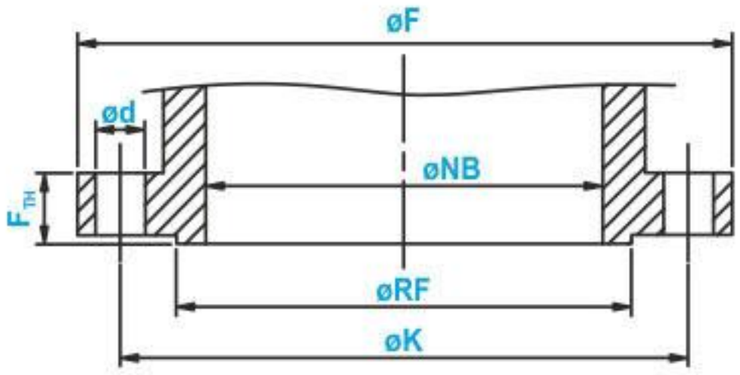
PRODUCT PORTFOLIO

VALVE	TYPE	END CONNECTION	CLASS	SIZE												
				1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"	12"
				15	20	25	32	40	50	65	80	100	150	200	250	300
Ball Valve (Full Bore)	Single Piece (Floating Ball)	Flange End	150#	●	●	●		●	●	●	●					
			300#	●	●	●		●	●	●	●					
	Two Piece (Floating Ball)	Flange End/Butt Weld End	150#	●	●	●	●	●	●	●	●	●	●	●	●	●
			300#	●	●	●	●	●	●	●	●	●	●	●	●	
			600#	●	●	●		●	●	●	●	●	●	●		
	Two Piece (Trunnion Mounted Ball)	Flange End/Butt Weld End	150#						●	●	●	●	●	●	●	●
			300#						●	●	●	●	●	●	●	
			600#						●	●	●	●	●	●		
	Three Piece (Floating Ball)	Flange End/Screwed End	150#	●	●	●		●	●	●	●	●	●			
			300#	●	●	●		●	●	●	●	●				
	Single Piece (Floating Ball)	Screwed/Socket End	150#	●	●	●		●	●	●	●					
			300#	●	●	●		●	●	●	●					
Ball Valve (Reduce Bore)	Single Piece (Floating Ball)	Flange End	150#	●	●	●		●	●	●	●					
			300#	●	●	●		●	●	●	●					
	Two Piece (Floating Ball)	Flange End/Butt Weld End	150#	●	●	●		●	●	●	●	●	●	●	●	●
			300#	●	●	●		●	●	●	●	●	●	●	●	
			600#	●	●	●		●	●	●	●	●	●	●		
	Two Piece (Trunnion Mounted Ball)	Flange End/Butt Weld End	150#						●	●	●	●	●	●	●	●
			300#						●	●	●	●	●	●	●	
			600#						●	●	●	●	●	●		
Forged Ball Valve (Full Bore)	Three Piece (Floating Ball)	Screwed/Socket End	3000CL	●	●	●	●	●	●							
			6000CL	●	●	●	●	●								
			9000CL	●	●	●	●	●								
Forged Ball Valve (Reduce Bore)	Three Piece (Floating Ball)	Screwed/Socket End	3000CL	●	●	●	●	●	●							
			6000CL	●	●	●	●	●	●							
			9000CL	●	●	●	●	●	●							
Gate Valve	OS & Y Type	Flange End/Butt Weld End	150#	●	●	●		●	●		●	●	●	●	●	
			300#	●	●	●		●	●		●	●	●	●	●	
			600#	●	●	●		●	●		●	●				
Globe Valve	Tee Type	Flange End/Butt Weld End	150#	●	●	●		●	●		●	●	●	●	●	
			300#	●	●	●		●	●		●	●	●	●	●	
			600#	●	●	●		●	●		●	●				
Check Valve	Swing Type	Flange End/Butt Weld End	150#	●	●	●		●	●		●	●	●	●	●	
			300#	●	●	●		●	●		●	●	●	●	●	
			600#	●	●	●		●	●		●	●				
Butterfly Valve	Wafer Type Lug Type	Lug End/Flange End	150#					●	●	●	●	●	●	●	●	●
			300#					●	●	●	●	●	●	●	●	
			600#					●	●	●	●	●	●	●	●	

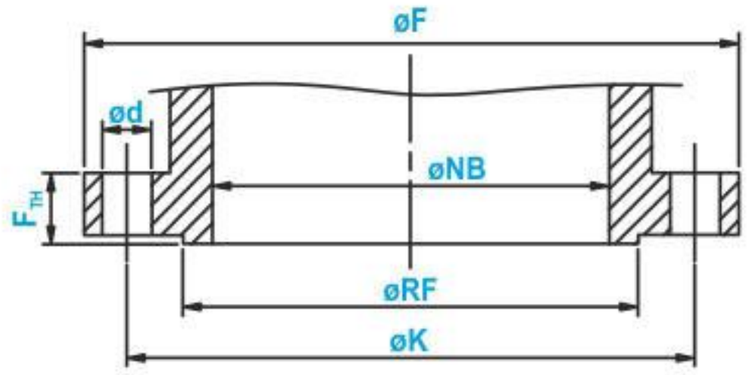
GE Valve™

ASME B16.5 - Raised Face Flanges

GE Valve™



150# & 300# (2 mm Raised Face)



600# & Above (7 mm Raised Face)

Dimensions

ASME CLASS 150#																			
SIZE NPS (")		1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (mm)		15	20	25	32	40	50	65	80	100	150	200	250	300	350	400	450	500	600
ØRf	RAISED FACE DIAMETER	34.9	42.9	50.8	63.5	73	92.1	104.8	127	157.2	215.9	269.9	323.8	381	412.8	469.9	533.4	584.2	692.2
ØNB	BORE DIAMETER	13	19	25	32	38	50	65	74	100	150	201	250	300	334	387	438	489	591
ØF	OUTSIDE FLANGE DIAMTER	90	100	110	115	125	150	180	190	230	280	345	405	485	535	595	635	700	815
Fth.	FLANGE THICKNESS	11.6	13.2	14.7	16.3	17.9	19.5	22.7	24.3	24.3	25.9	29	30.6	32.2	35.4	37	40.1	43.3	48.1
ØK	PCD	60.3	69.9	79.4	88.9	98.4	120.7	139.7	152.4	190.5	241.3	298.5	362	431.8	476.3	539.8	577.9	635	749.3
N	NO. OF HOLES	4	4	4	4	4	4	4	4	8	8	8	12	12	12	16	16	20	20
Ød	DRILL DIAMETER	15.8	15.8	15.8	15.8	15.8	19	19	19	19	22.2	22.2	25.4	25.4	28.6	28.6	31.7	31.7	35

ASME CLASS 300#																			
SIZE NPS (")		1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (mm)		15	20	25	32	40	50	65	80	100	150	200	250	300	350	400	450	500	600
ØRf	RAISED FACE DIAMETER	34.9	42.9	50.8	63.5	73	92.1	104.8	127	157.2	215.9	269.9	323.8	381	412.8	469.9	533.4	584.2	692.2
ØNB	BORE DIAMETER	13	19	25	32	38	50	65	74	100	150	201	250	300	334	387	438	489	591
ØF	OUTSIDE FLANGE DIAMTER	95	115	125	135	155	165	190	210	255	320	380	445	520	585	650	710	775	915
Fth.	FLANGE THICKNESS	14.7	16.3	17.9	19.5	21.1	22.7	25.9	29	32.2	37	41.7	48.1	51.3	54.4	57.6	60.8	64	70.3
ØK	PCD	66.7	82.6	88.9	98.4	114.3	127	149.2	168.3	200	269.9	330.2	387.4	450.8	514.4	571.5	628.6	685.8	812.8
N	NO. OF HOLES	4	4	4	4	4	8	8	8	8	12	12	16	16	20	20	24	24	24
Ød	DRILL DIAMETER	15.8	19	19	19	22.2	19	22.2	22.2	22.2	22.2	25.4	28.6	31.7	31.7	35	35	35	41.2

ASME CLASS 600#																			
SIZE NPS (")		1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (mm)		15	20	25	32	40	50	65	80	100	150	200	250	300	350	400	450	500	600
ØRf	RAISED FACE DIAMETER	34.9	42.9	50.8	63.5	73	92.1	104.8	127	157.2	215.9	269.9	323.8	381	412.8	469.9	533.4	584.2	692.2
ØNB	BORE DIAMETER	13	19	25	32	38	50	65	76	100	150	201	254	300	334	387	432	483	584
ØF	OUTSIDE FLANGE DIAMTER	95	115	125	135	155	165	190	210	275	355	420	510	560	605	685	745	815	940
Fth.	FLANGE THICKNESS	21.3	22.9	24.5	27.7	29.3	32.4	35.6	38.8	45.1	54.7	62.6	70.5	73.7	76.9	83.2	89.6	95.9	108.6
ØK	PCD	66.7	82.6	88.9	98.4	114.3	127	149.2	168.3	215.9	292.1	349.2	431.8	489	527	603.2	654	723.9	838.2
N	NO. OF HOLES	4	4	4	4	4	8	8	8	8	12	12	16	20	20	20	20	24	24
Ød	DRILL DIAMETER	15.8	19	19	19	22.2	19	22.2	22.2	25.4	28.6	31.7	35	35	38.1	41.2	44.4	44.4	50.8

ASME CLASS 900#																			
SIZE NPS (")		1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (mm)		15	20	25	32	40	50	65	80	100	150	200	250	300	350	400	450	500	600
ØRf	RAISED FACE DIAMETER	34.9	42.9	50.8	63.5	73	92.1	104.8	127	157.2	215.9	269.9	323.8	381	412.8	469.9	533.4	584.2	692.2
ØNB	BORE DIAMETER	13	17.5	22	31	35	48	57	73	98	146	191	238	283	311	356	400	445	534
ØF	OUTSIDE FLANGE DIAMTER	120	130	150	160	180	215	245	240	290	380	470	545	610	64	705	785	855	1040
Fth.	FLANGE THICKNESS	29.3	32.4	35.6	35.6	38.8	45.1	48.7	45.1	51.5	62.8	70.5	76.9	86.4	92.8	95.9	108.6	115	146.7
ØK	PCD	82.6	88.9	101.6	111.1	123.8	165.1	190.5	190.5	235	317.5	393.7	469.9	533.4	558.8	616	685.8	749.3	901.7
N	NO. OF HOLES	4	4	4	4	4	8	8	8	8	12	12	16	20	20	20	20	20	20
Ød	DRILL DIAMETER	22.2	22.2	25.4	25.4	28.6	25.4	28.6	25.4	31.8	31.8	38.1	38.1	38.1	41.2	44.4	50.8	54	66.7

ASME CLASS 1500#																			
SIZE NPS (")		1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
SIZE DN (mm)		15	20	25	32	40	50	65	80	100	150	200	250	300	350	400	450	500	600
ØRf	RAISED FACE DIAMETER	34.9	42.9	50.8	63.5	73	92.1	104.8	127	157.2	215.9	269.9	323.8	381	412.8	469.9	533.4	584.2	692.2
ØNB	BORE DIAMETER	13	17.5	22	31	35	48	57	70	92	136	178	222	263	289	330	371	416	490
ØF	OUTSIDE FLANGE DIAMTER	120	130	150	160	180	215	245	265	310	395	485	585	675	750	825	915	985	1170
Fth.	FLANGE THICKNESS	29.3	32.4	35.6	35.6	38.8	45.1	48.7	54.7	61	89.6	99.1	115	130.9	140.4	153.1	169	184.8	210.2
ØK	PCD	82.6	88.9	101.6	111.1	123.8	165.1	190.5	203.2	241.3	317.5	393.7	482.6	571.5	635	704.8	774.7	831.8	990.6
N	NO. OF HOLES	4	4	4	4	4	8	8	8	8	12	12	12	16	16	16	16	16	16
Ød	DRILL DIAMETER	22.2	22.2	25.4	25.4	28.6	25.4	28.6	31.8	35	38.1	44.4	50.8	54	60.3	66.7	73	79.4	92.1

INFRASTRUCTURE

GE VALVE has been built engineering excellence..crafted through unstinted dedication to quality, innovation and a constant objectives to serve the global market. The Company was started with clear objectives of customer's requirement of quality at an outstanding value.

MACHINING SHOP

We have well equipped machining shop facilitated with CNC, VMC, Drilling & Conventional Lathe machines. Machining which is controlled by different types of jig – fixtures is also provided with highly accurate tooling for added precision. Programming for machining is carried out in SIMCO V8.0 which eliminates the possibilities of mistake. Machining dimensions are constantly monitored by calibrated measuring instruments.

INSPECTION FACILITY

A dedicated space for inspection is provided which has standard instruments including micrometer, digital height gauge, vernier & bore gauge. We have special gauges for measuring critical dimensions like back bore in valve body. Highly leveled surface is provided for carrying out measurements to rule out any errors. For added dimensional accuracy and precision we also perform CMM.

INFRASTRUCTURE

DESIGN - CAD CAM FACILITY

The task of design and development of industrial valves is performed on latest CAD-CAM software NX V9.0 by highly skilled and trained Design Engineers.

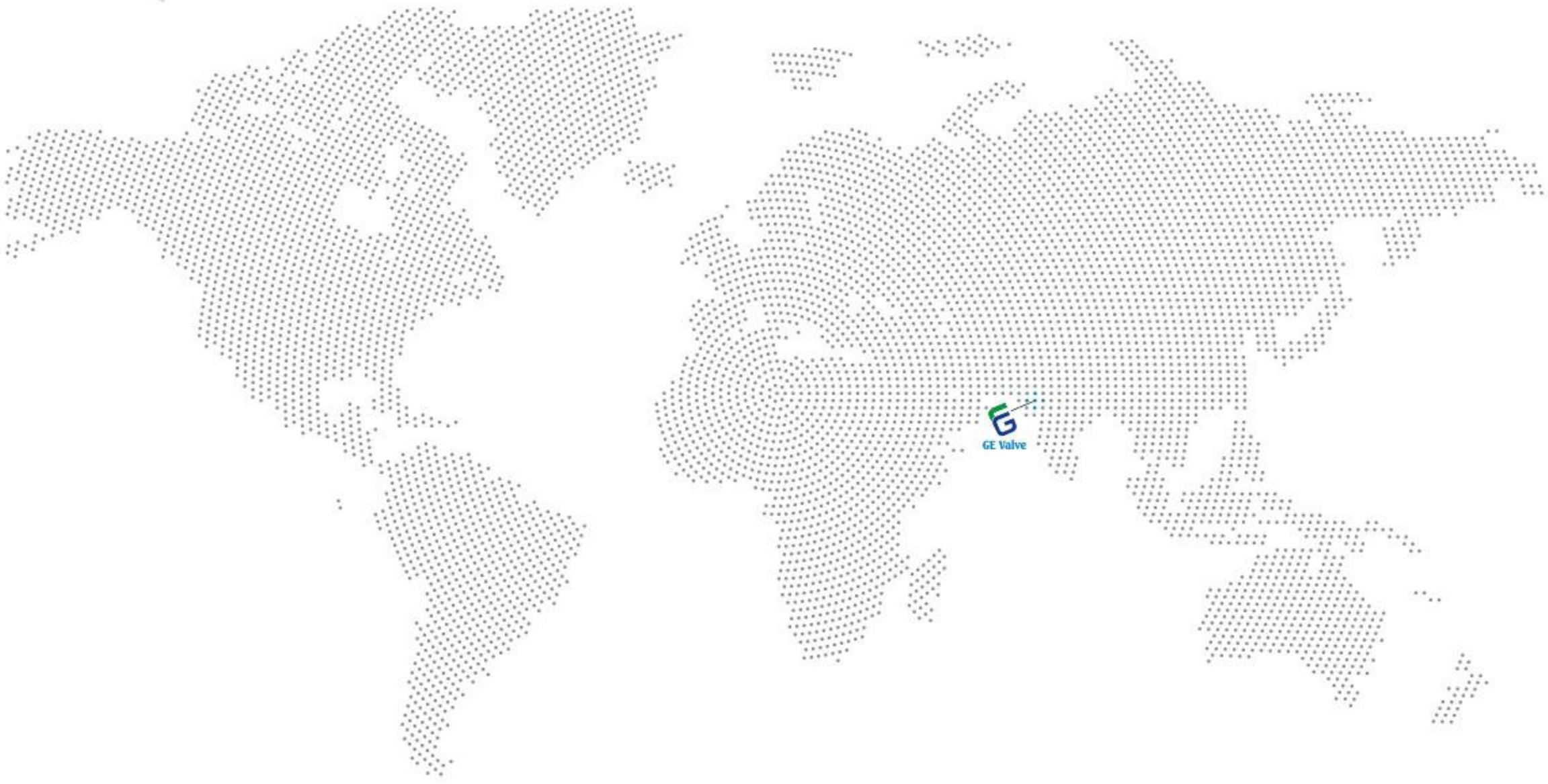
VALVE TESTING

Standard tests as mentioned below are conducted for eliminating any possible failure. The whole process is performed as per the ANSI standard.

- Hydro Test (water)
- Pneumatic Test
- Cyclic Test
- Torque Test
- Block & Bleed Test etc.

ASSEMBLY AREA

Assembly of each valve is done by skilled cum trained staff & the whole process is constantly monitored & supervised by our experienced supervisor.



Ghanshyam Engineering

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TRUEDESIGN®

GE Valve™

Manufacturer of
Industrial Valves

www.gevalve.in

AN ISO 9001:2015 TUV Certified Company

CE mark Approved

GE Valve

MANUFACTURER OF INDUSTRIAL VALVES

GE Valve™

AN OVERVIEW

Established in the year 2011 at Rajkot (Gujarat) India. We Ghanshyam Engineering are the leading manufacturer and supplier of industrial valves like Ball valves, Gate valves, Globe valves, Check valves & Butterfly valve.

Our skilled professionals Design & Manufacture these products using the best quality raw material and latest technology. These products are manufactured with high level of accuracy complying with quality norms accepted globally. Offered products are extensively used in diverse industries and are recognized for features like durable finish, robust construction, high strength, sturdiness, perfect finish, dimensional accuracy & precision.

Our premises have testing facilities for the assembled valves. Before dispatch our QC team performs entire relevant test. Besides we have developed a wide range of products in various specifications for offering flexible options to client. Moreover we have an ultra modern infrastructure base that enables us to manufacture entire series of product in bulk.

A systematically distributed technical department like Design & Development, Finance, Purchase, Production, Quality & Dispatch allows us to fulfill the clients request chronologically.

Our skilled personnel have in depth knowledge & experience in their own domains and make ingenious effort to achieve set business goals punctually.

OUR MISSION

We seek to develop excellent, efficient and cost effective solutions, amalgamated with innovation in the domain of engineering with integrity; using creativity, technological intelligence and dedication.

APPLICATIONS

- Refineries
- Oil mills
- Chemical plants
- Mining industries
- Sewage Plants
- Water Treatment
- Water Supply Plants
- Thermal plants
- Nuclear Plants
- Pharmaceutical Plants
- Fertilizers
- Petrochemical Plants

OUR TEAM

Our knowledgeable team of skilled professionals works keenly to accomplish our set goals in the best possible manner. Possess rich experience and knowledge in their individual domains; our trained professionals present our customers with excellent quality products as per their precise necessities. Our professionals are strength of our organizations and are highly proficient to achieve leader position in the business. Also, we conduct several training sessions and other skill enhancing programs for our experts.

MANUFACTURING PROCESS CYCLE

ISO 9001:2015(E)

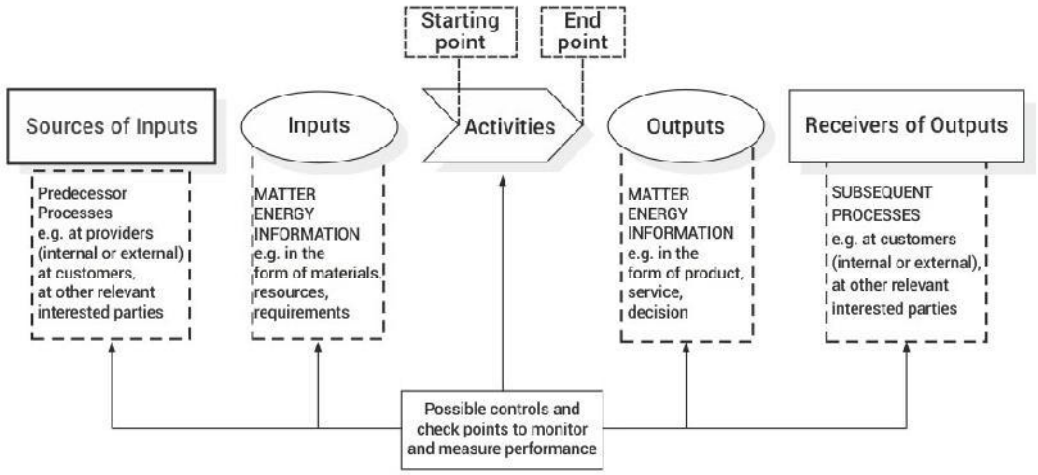
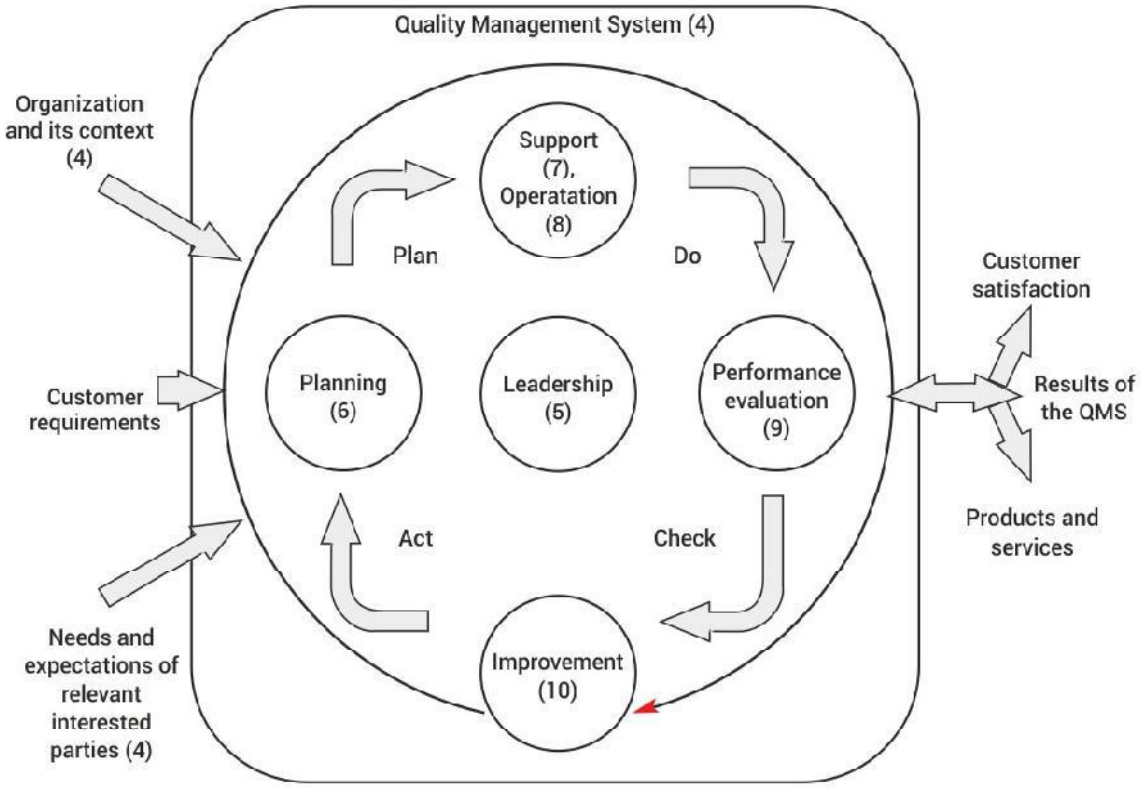


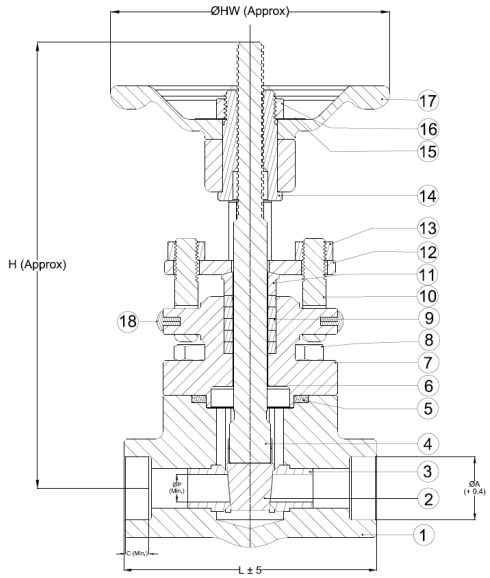
Figure 1 - Schematic representation of the elements of a single process

PLAN DO CHECK ACT CYCLE



Numbers in brackets refer to the causes in this international Standard

FORGED GATE VALVE CLASS 800



50mm	142	36.5	16	61.2	294	255	150
40mm	127	28.6	13	48.8	276	249	150
32mm	127	23.8	13	42.7	276	249	150
25mm	106	17.5	13	33.9	187	168	116
20mm	92	12.7	13	27.2	179	164	86
15mm	87	9.5	10	21.8	174	158	86
10mm	87	6.5	10	17.6	174	158	86
SIZE	L	øP	C	øA	H OPEN	H CLOSE	øWH

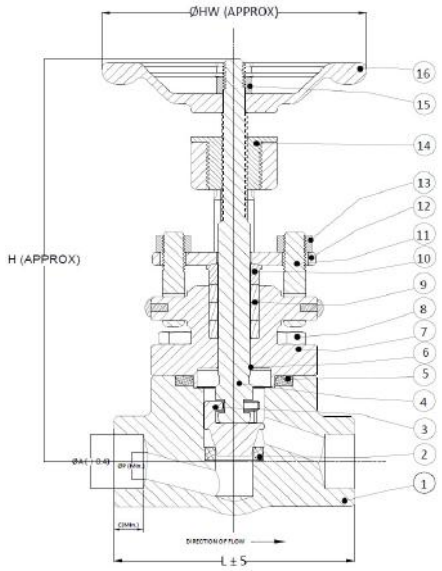
Technical Specification (Materail Data Sheet)

No.	DESCRIPTION	A-105N	F-304	F-316
1	BODY	ASTM A 105N	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
2	WEDGE	ASTM A 217 GR. CA-15	ASTM A 351 GR. CF8	ASTM A 351 GR. CF8M
3	SEAT RING	ASTM A 479 TYPE SS-410	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-316
4	STEM	ASTM A 479 TYPE SS-410	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-316
5	GASKET	SS-316 + SPW GRAPHITE	SS-316 + SPW GRAPHITE	SS-316 + SPW GRAPHITE
6	BACK SHEET	INTEGRAL	INTEGRAL	INTEGRAL
7	BONNET	ASTM A 105N	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
8	HEX BOLT	ASTM A 193 GR. B7	ASTM A 193 GR. B8	ASTM A 193 GR. B8M
9	GLAND PACKING	GRAPHITE RING	GRAPHITE RING	GRAPHITE RING
10	EYE BOLT	ASTM A 193 GR. B7	ASTM A 193 GR. B8	ASTM A 193 GR. B8M
11	GLAND BUSH	ASTM A 479 TYPE SS-410	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-316
12	GLAND FLANGED	ASTM A 105	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
13	EYE BOLT NUT	ASTM A 194 GR. 2H	ASTM A 194 GR. 8	ASTM A 194 GR. 8
14	YOKE SLEEVE	ASTM A 582 TYPE SS-416	ASTM A 582 TYPE SS-303	ASTM A 582 TYPE SS-303
15	NAME PLAT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
16	STEM NUT	ASTM A 194 GR. 2H	ASTM A 194 GR. 8	ASTM A 194 GR. 8
17	HAND WHEEL	SG IRON	SG IRON	SG IRON
18	EYE BOLT RAVET	SS	SS	SS

Technical Data (Design & Testing Standard)

Design Standard	API 602 / ISO 15761 / ASME B16.34
Testing Standard	API 598
Face To Face Standard	Manufacturer
Flanged Standard	ASME B16.5
Valve Operation	Handwheel Operated

FORGED GLOBE VALVE CLASS 800



50mm	142	36.5	16	61.2			150
40mm	127	28.6	13	48.8	280	252	150
32mm	127	23.8	13	42.7	280	252	150
25mm	106	17.5	13	33.9	191	177	116
20mm	92	12.7	13	27.2	174	167	86
15mm	87	9.5	10	21.8	174	167	86
10mm	87	6.5	10	17.6	174	167	86
SIZE	L	øP	C	øA	H OPEN	H CLOSE	øWH

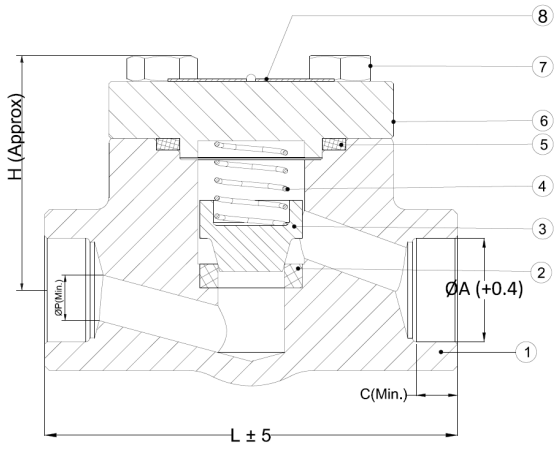
Technical Specification (Materail Data Sheet)

No.	DESCRIPTION	A-105N	F-304	F-316
1	BODY	ASTM A 105N	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
2	PLUG	ASTM A 217 GR. CA-15	ASTM A 351 GR. CF8	ASTM A 351 GR. CF8M
3	SEAT RING	ASTM A 479 TYPE SS-410	ASTM A 479 TYPE SS-304 (INTEGRAL)	ASTM A 479 TYPE SS-316 (INTEGRAL)
4	STEM	ASTM A 479 TYPE SS-410	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-316
5	GASKET	SS-316 + SPW GRAPHITE	SS-316 + SPW GRAPHITE	SS-316 + SPW GRAPHITE
6	BACK SHEET	INTEGRAL	INTEGRAL	INTEGRAL
7	BONNET	ASTM A 105N	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
8	HEX BOLT	ASTM A 193 GR. B7	ASTM A 193 GR. B8	ASTM A 193 GR. B8M
9	GLAND PACKING	GRAPHITE RING	GRAPHITE RING	GRAPHITE RING
10	EYE BOLT	ASTM A 193 GR. B7	ASTM A 193 GR. B8	ASTM A 193 GR. B8M
11	GLAND BUSH	ASTM A 479 TYPE SS-410	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-316
12	GLAND FLANGED	ASTM A 105	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
13	EYE BOLT NUT	ASTM A 194 GR. 2H	ASTM A 194 GR. 8	ASTM A 194 GR. 8
14	YOKE SLEEVE	ASTM A 582 TYPE SS-416	ASTM A 582 TYPE SS-303	ASTM A 582 TYPE SS-303
15	NAME PLAT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
16	STEM NUT	ASTM A 194 GR. 2H	ASTM A 194 GR. 8	ASTM A 194 GR. 8
17	HAND WHEEL	SG IRON	SG IRON	SG IRON
18	EYE BOLT RAVET	SS	SS	SS

Technical Data (Design & Testing Standard)

Design Standard	API 602 / ISO 15761 / ASME B16.34
Testing Standard	API 598
Face To Face Standard	Manufacturer
Flanged Standard	ASME B16.5
Valve Operation	Handwheel Operated

FORGED CHECK VALVE CLASS 800



50mm	142	36.5	16	61.2	104
40mm	127	28.6	13	48.8	86
32mm	127	23.8	13	42.7	86
25mm	106	17.5	13	33.9	66
20mm	92	12.7	13	27.2	56
15mm	87	9.5	10	21.8	53
SIZE	L	øP	C	øA	H

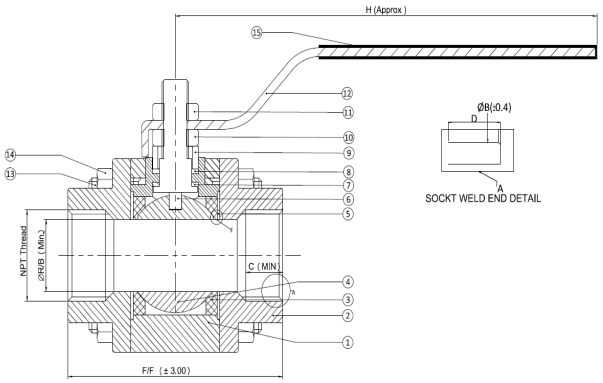
Technical Specification (Materail Data Sheet)

No.	DESCRIPTION	A-105N	F-304	F-316
1	BODY	ASTM A 105N	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
2	SEAT RING	ASTM A 479 TYPE SS-410	ASTM A 479 TYPE SS-304 (INTEGRAL)	ASTM A 479 TYPE SS-316 (INTEGRAL)
3	PLUG	ASTM A 479 TYPE SS-410	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-316
4	SPRING	ASTM A 313 TYPE SS-304	ASTM A 313 TYPE SS-304	ASTM A 313 TYPE SS-316
5	GASKET	SS-316 + SPW GRAPHITE	SS-316 + SPW GRAPHITE	SS-316 + SPW GRAPHITE
6	CHECK PLAT	ASTM A 105N	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
7	HEX BOLT	ASTM A 193 GR. B7	ASTM A 193 GR. B8	ASTM A 193 GR. B8M
8	NAME PLAT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

Technical Data (Design & Testing Standard)

Design Standard	API 602 / ISO 15761 / ASME B16.34
Testing Standard	API 598
Face To Face Standard	Manufacturer
Flanged Standard	ASME B16.5
Valve Operation	Self

FORGED 3PC BALL VALVE CLASS 800



3PC REDUCE BORE BALL VALVE 800#						
SIZE	L	F/B	C	H	øB	D
15mm	68	10	16	113	21.8	9.5
20mm	73	15	16	113	27.2	12.5
25mm	96	20	22	135	33.9	12.5
32mm	103	25	22	135	42.7	12.5
40mm	116	30.5	24	168	48.8	17
50mm	128	37.3	27	168	61.2	21

3PC FULL BORE BALL VALVE 800#						
SIZE	L	F/B	C	H	øB	D
15mm	73	15	16	113	21.8	9.5
20mm	96	20	16	113	27.2	12.5
25mm	103	25	22	135	33.9	12.5
32mm	116	30.5	22	135	42.7	12.5
40mm	128	37.3	24	168	48.8	17

Technical Specification (Materail Data Sheet)

No.	DESCRIPTION	A-105N	F-304	F-316
1	BODY	ASTM A 105N	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
2	END PIECE	ASTM A 105N	ASTM A 182 GR. F-304	ASTM A 182 GR. F-316
3	SEAT RING	PTFE / CFT	PTFE / CFT	PTFE / CFT
4	BALL	ASTM A 351 GR. CF8	ASTM A 351 GR. CF8	ASTM A 351 GR. CF8M
5	BODY GASKET	SPW SS316 + GRAFOIL	SPW SS316 + GRAFOIL	SPW SS316 + GRAFOIL
6	STEM	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-316
7	STEM SEAL	PTFE / CFT	PTFE / CFT	PTFE / CFT
8	GLAND PACKING	GRAPHITE	GRAPHITE	GRAPHITE
9	GLAND BUSH	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-304	ASTM A 479 TYPE SS-304
10	GLAND NUT	ASTM A 194 GR. 2H	ASTM A 194 GR. 8	ASTM A 194 GR. 8
11	STEM NUT	ASTM A 194 GR. 2H	ASTM A 194 GR. 8	ASTM A 194 GR. 8
12	LEVER	CARBON STEEL WITH ZINK PLATED	STAINLESS STEEL	STAINLESS STEEL
13	STUD	ASTM A 193 GR. B7	ASTM A 193 GR. B8	ASTM A 193 GR. B8M
14	STUD NUT	ASTM A 194 GR. 2H	ASTM A 194 GR. 8	ASTM A 194 GR. 8M
15	LEVER SLEEVE	PVC	PVC	PVC

Technical Data (Design & Testing Standard)

Design Standard	EN ISO 17292 / B16.34
Testing Standard	API 598
Face To Face Standard	Manufacturer
Valve Operation	Lever Operated

INSPECTION METHODS

GE Valve™

COMMON TEST / INSPECTION METHODS		
TEST / INSPECTION	METHOD	ACCEPTANCE CRITERIA
Visual Inspection		MSS SP55
Chemical Analysis	ASTM E350	Relevant ASTM
Mechanical Properties	ASTM A370	Relevant ASTM
Radiographic Inspection	ASME B16.34	ASME B16.34
Magnetic Particle Inspection	ASTM E709	ASME B16.34
Liquid Penetrant Inspection	ASTM E165	ASME B16.34
Ultrasonic Inspection	ASTM A388	ASME B16.34
Positive Material Identification (PMI)	Vacuum emission Spectrometer	Customer Specification
Pressure Testing	API 600/API 598/BS 6755 PART 1	API 600/API 598/BS 6755 PART 1
Dimensional Inspection		Valve Standard

INSPECTION METHODS

COMMON TEST / INSPECTION METHODS				
ASME CLASS	HYDROSTATIC TEST PRESSURE IN kg/cm² (PSIG)			PNEUMATIC LOW PRESSURE CLOSURE TEST PRESSURE IN IN kg/cm² (PSIG)
	SHELL	BACK SEAT	SEAT	
150	32 (450)	22 (315)	22 (315)	7 (100)
300	79 (1125)	57 (815)	57 (815)	7 (100)
600	156 (2225)	115 (1630)	115 (1630)	7 (100)
800	207 (2963)	153 (2173)	153 (2173)	7 (100)
900	236 (3350)	172 (2445)	172 (2445)	7 (100)
1500	392 (5575)	287 (4080)	287 (4080)	7 (100)
2500	652 (9275)	477 (6790)	477 (6790)	7 (100)

APPLICATIONS


Chemical and Process industries


Refineries


Petrochemicals & Fertilizer Plants


Pharmaceuticals


Thermal & Nuclear Plants


Food & Beverage industries


Effluent Treatment & Sewage Plants


Water Treatment


Cooling water & Water supply plants


Mining Industries

INFRASTRUCTURE

GE VALVE has been built engineering excellence..crafted through unstinted dedication to quality, innovation and a constant objectives to serve the global market. The Company was started with clear objectives of customer's requirement of quality at an outstanding value.

MACHINING SHOP

We have well equipped machining shop facilitated with CNC, VMC, Drilling & Conventional Lathe machines. Machining which is controlled by different types of jig – fixtures is also provided with highly accurate tooling for added precision. Programming for machining is carried out in SIMCO V8.0 which eliminates the possibilities of mistake. Machining dimensions are constantly monitored by calibrated measuring instruments.

INSPECTION FACILITY

A dedicated space for inspection is provided which has standard instruments including micrometer, digital height gauge, vernier & bore gauge. We have special gauges for measuring critical dimensions like back bore in valve body. Highly leveled surface is provided for carrying out measurements to rule out any errors. For added dimensional accuracy and precision we also perform CMM.

INFRASTRUCTURE

DESIGN - CAD CAM FACILITY

The task of design and development of industrial valves is performed on latest CAD-CAM software NX V9.0 by highly skilled and trained Design Engineers.

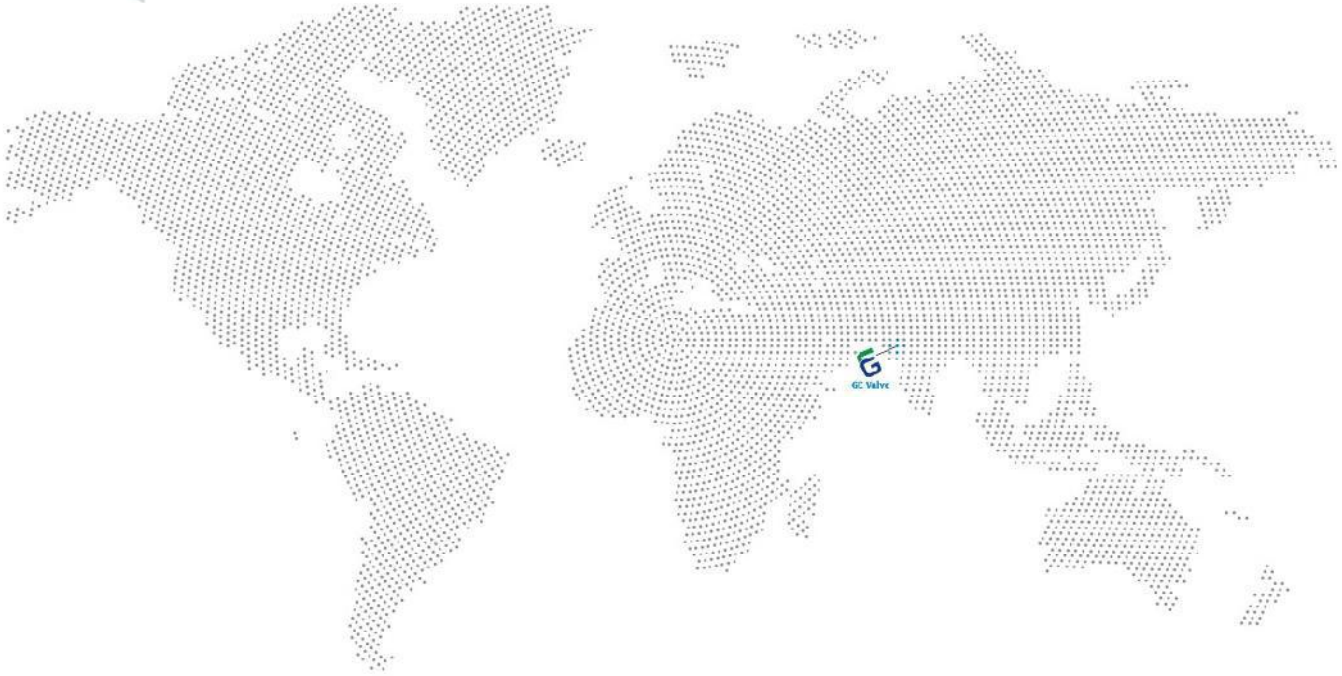
VALVE TESTING

Standard tests as mentioned below are conducted for eliminating any possible failure. The whole process is performed as per the ANSI standard.

- Hydro Test (water)
- Pneumatic Test
- Cyclic Test
- Torque Test
- Block & Bleed Test etc.

ASSEMBLY AREA

Assembly of each valve is done by skilled cum trained staff & the whole process is constantly monitored & supervised by our experienced supervisor.



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TRUEDESIGN