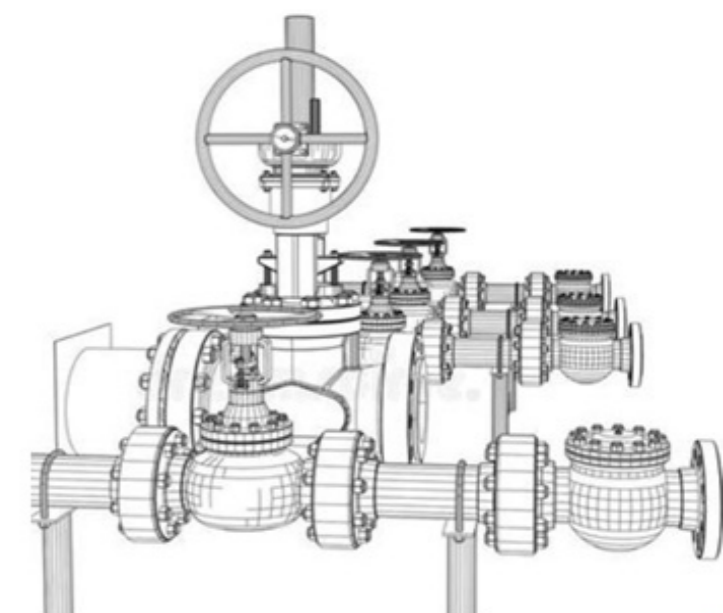




ZHEJIANG JIALIN PIPE VALVE CO.,LTD

we strive to provide our customers with right products with competitive price and efficient service



## Product Catalogue

**Please do not hesitate to contact us**  
**We are looking forward to your reply**

ZHEJIANG JIALIN PIPE VALVE CO.,LTD

ADD: ROOM 810, BUILDING 2, WANDA COMMERCIAL PLAZA, NO. 1188,  
YONGDING ROAA, YONGZHONG STREET, LONGWAN DISTRICT,  
WENZHOU.

TEL: +86 15868553757

WHATSAPP/WECHAT: +86 15868553757

EMAIL: lane@jlpipelinevalve.com

WEBSITE: www.jlpipelinevalve.com



## Main Product Range:

- Gate Valve
- Globe Valve
- PlugValve
- Check Valve
- Butterfly Valve
- Power Station Valve
- Oilfield Dedicated Valve
- Y-Strainer

# BRIEF INTRODUCTION

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer

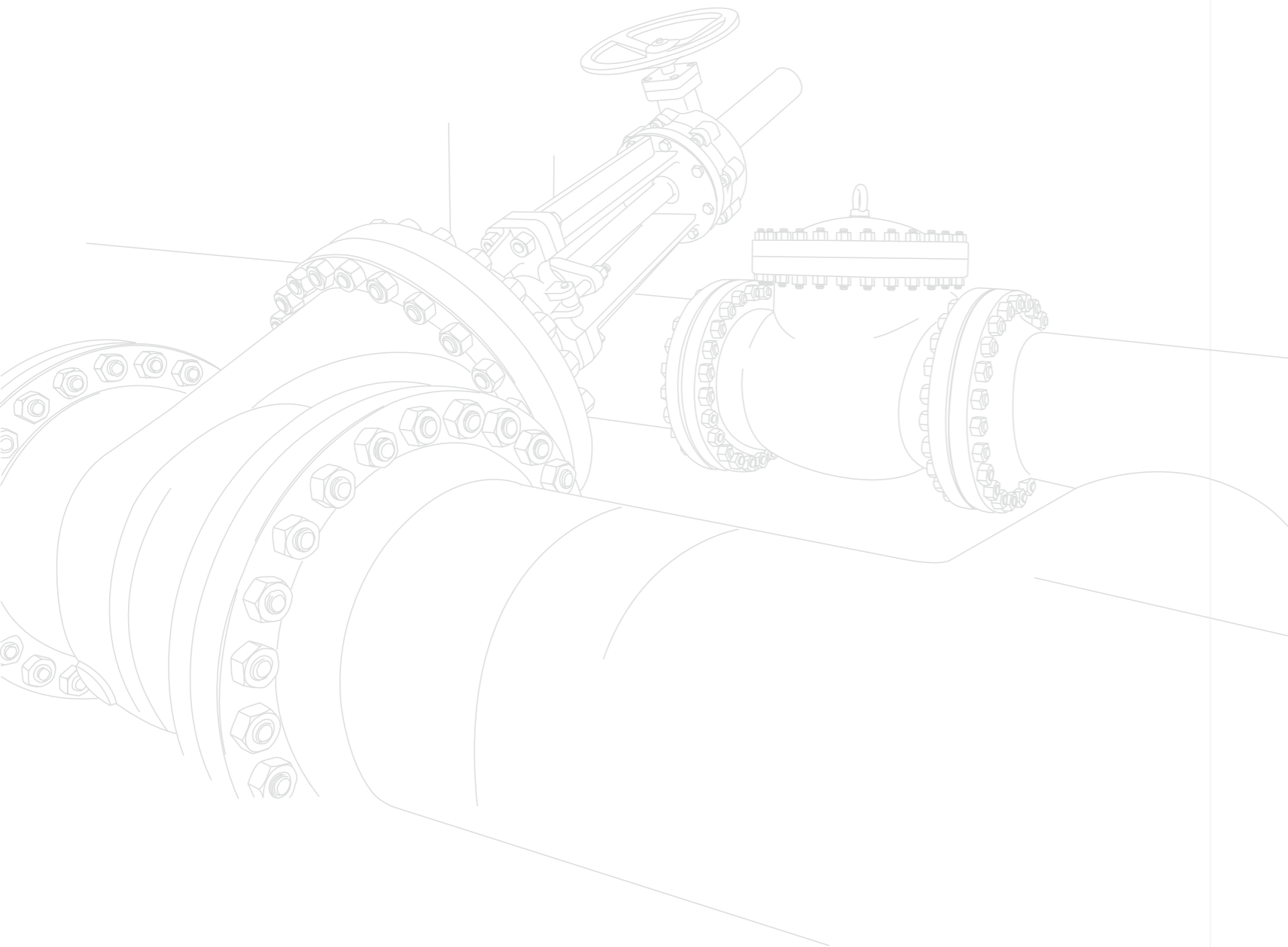
ZHEJIANG JIALIN PIPE VALVE CO.,LTD is a professional valve manufacturer included designing, producing & vendition. Over the years, our enterprise is always adopting others' strong points, keeping innovation, exploitation, insisting on quality first and sincere principle as enterprise tenet, manufacturing high quality products with an utmost fast speed, satisfying the requirement of national and oversea clients for high technology. Nowadays, our company is manufacturing many kinds of valves such as API, ANSI(USA), BS(Britain), DIN(German), JIS, JPI(Japan), GB, JB(China), and various nonstandard products which are applicable in fields of petroleum, chemical industry, electric power, light industry, water supply & drainage etc.. They have good market in wide world and excellent comments from world wide clients.

The company firmly believe in strategy of sustainable development which bases on high technology, large scale operation and brand concept. The company insists in strengthening management, promoting corporation image, optimizing product structure and improving quality, in order to establish and optimize product quality assurance system.

The company has many sets of excellent mechanical processing equipments and modernized inspection & testing equipments used for our main products: nominal size 1/2"~60"(DN15~DN1500), nominal pressure 150Lb~2500Lb(PN1.0Mpa~PN42.0Mpa), working temperature -101 ~+680 , material include GS-C25\A216WCB\A351CF8\A351CF8M\A351CF3\A351CF3M\A217WC6\A217 WC9\1.0619\104408\104308\104309 etc.. on gate valve, globe valve, ball valve, plug valve, check valve strainer and pipe products.

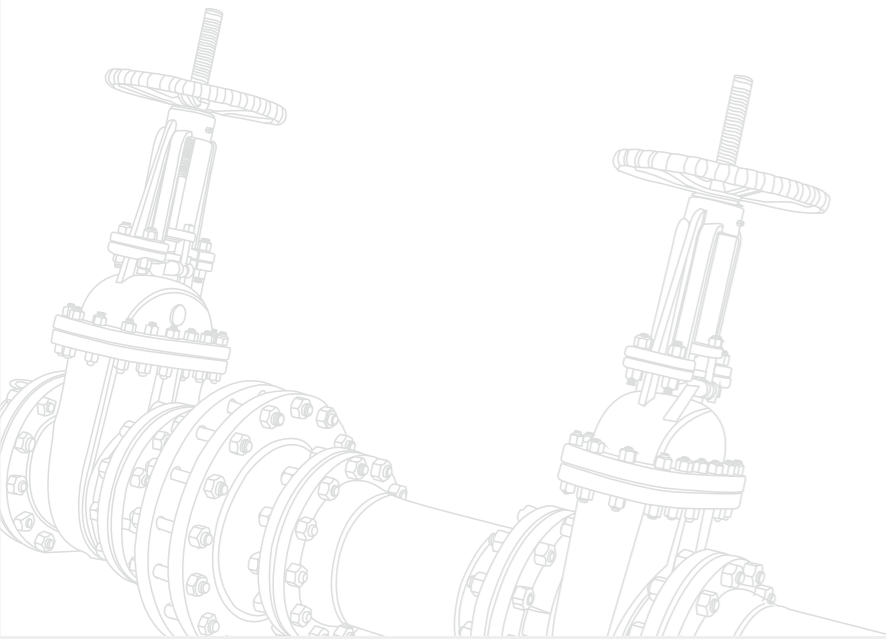
Our company's quality policy is satisfying customers, fast service, aggressive innovation and perseverance. We keep JIALIN valve in refined quality, reasonable price and abide the contract as enterprise concept. We always adhere to customer-oriented purpose, and provide quality products and satisfactory service to all customers.

We solemn promise to all our clients: our hanker is supply 100% eligibility products with high quality and cheap price; our aim is establish topping international brand; we will use the best service to supply you the worst products, welcome your cooperation to create a mutual brilliant future.



# PRODUCT SERIES

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



# CONTENTS

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

## DIN Valve Series

DIN Rising Stem Gate Valve F5 Series	08
DIN Rising Stem Gate Valve F7 Series	09
DIN Rising Stem Gate Valve F4 Series	10
DIN Non-Rising Stem Gate Valve F5 Series	11-12
DIN Non-Rising Stem Gate Valve F15 Series	13
DIN Globe Valve F1 Series	14-15
DIN Globe Valve F2 Series	16
DIN Globe Check Valve	17
DIN Angle Globe Valve F32 Series	18-19
DIN Angle Globe Check Valve	20
DIN Bellows Globe Valve	21
DIN Swing Check Valve F1 and F6 Series	22
DIN Lift Check Valve	23
DIN Y Type-Strainer	24

## High Temperature and High Pressure Power Station Valve Series

Pressure Seal Gate Valve Class 900-2500	25-26
Pressure Seal Globe Valve Class 900-2500	27-28
Pressure Seal Swing Check Valve Class 900-2500	29-30

## API Valve Series

Gate Valve	31-34
Parallel Slab Gate Valve Class 150-600	35
Globe Valve	36-39
ANSI More Arrangement Bellows Globe Valve	40
Class150-600 Two-Piece Floating Ball Valve	41
Class150-600 Two-Piece Trunnion Mounted Ball Valve	42
Class150-1500 Two-Piece Trunnion Mounted Ball Valve	43
Class150-1500 Three-Piece Trunnion Mounted Ball Valve	44
Trunnion Mounted Ball Valve	45
Top Entry Trunnion Mounted Ball Valve	46
Check Valve	47-50
Class 150/300 Lift Check Valve	51
Class 600 Lift Check Valve	52
Class 125-300 Butterfly Valve	53-54
Self-Lubricated Plug Valve Class 150-600	55-56
Class 150-300 Pressure Balanced Plug Valve	57
Class 150-300 Lubricated (Metal Seal) Plug Valve	58
API Y-Type Strainer	59

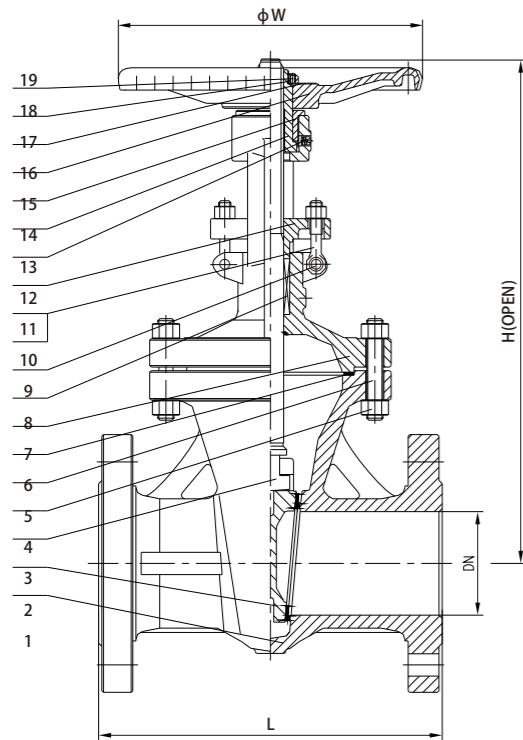
## Connection Ends Dimensions

End Flange Dimensions	60-61
Ring Joint Facings And Rings	62
Butt-Welding Ends (ANSI B16.25)	63-65



# DIN/GB Rising Stem Gate Valve F5 Series

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3352  
 Face to face: DIN3202-F5, EN558-1  
 End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
 DIN2545(PN40), EN1092-1  
 Pressure test: DIN3230, EN12266-1

### MAIN PART MATERIAL

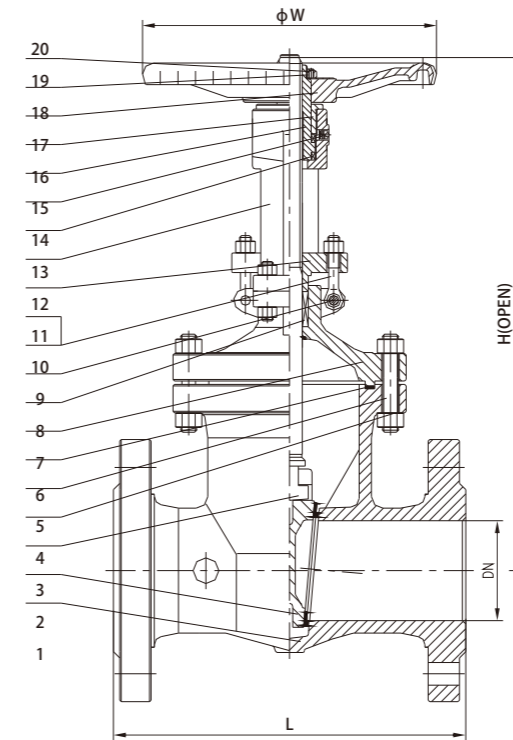
No	Part Name	Material
1	Body	GS-C25+13Cr
2	Wedge	GS-C25+13Cr
3	Stem	A182 F6
4	Nut	A194 2H
5	Bolt	A193 B7
6	Gasket	Graphite
7	Bonnet	GS-C25
8	Packing	Graphite
9	Pin	Carbon Steel
10	Gland EyeBolt	A193 B7
11	Nut	A194 2H
12	Gland	GS-C25
13	Nipple	Brass
14	Stem Nut	A439 D2
15	Retaining Nut	Carbon Steel
16	Hand Wheel	A536
17	Name Plate	Stainless Steel
18	Nut	Carbon Steel
19	Grub Screw	Carbon Steel

### Dimensions and Weights

PN	DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
16	L	240	250	270	280	300	325	350	400	450	500	550	600	700	800
	H	365	410	432	498	565	678	790	980	1190	1410	1550	1750	1900	2600
	W	180	200	220	250	280	300	300	350	400	450	500	550	700	800
	Weight(kg)	15	20	29	34	45	65	90	135	205	330	450	689	948	1420
25	L	240	250	270	280	300	325	350	400	450	500	550	600	700	800
	H	365	410	440	488	585	695	802	990	1200	1420	1560	1760	2180	2610
	W	180	200	220	250	280	300	300	350	400	450	500	550	700	800
	Weight(kg)	17	21	32	35	50	75	95	155	242	345	472	695	1142	1450
40	L	240	250	290	310	350	400	450	550	650	750	850	950	1150	1350
	H	365	420	452	498	595	708	810	1010	1220	1440	1580	1780	2200	2630
	W	180	200	220	250	280	300	350	400	500	550	600	700	750	800
	Weight(kg)	18	22	30	38	51	70	110	223	270	500	665	850	1350	1609

# DIN Rising Stem Gate Valve F7 Series

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3352  
 Face to face: DIN3202-F7, EN558-1  
 End flange Dimensions: DIN2546(PN63), DIN2547(PN100),  
 DIN2548(PN160), EN1092-1  
 Pressure test: DIN3230, EN12266-1

### Standard Material Specifications

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Wedge	GS-C25+13Cr
3	Stem	A182 F6
4	Nut	A194 2H
5	Bolt	A193 B7
6	Gasket	Graphite
7	Bonnet	GS-C25
8	Packing	Graphite
9	Pin	Carbon Steel
10	Gland Eyebolt	A193 B7
11	Nut	A194 2H
12	Gland	GS-C25
13	Yoke	GS-C25
14	Bearings	Alloy Steel
15	Nipple	Brass
16	Stem Nut	A439 D2
17	Retaining Nut	Carbon Steel
18	Handwheel	A536
19	Nut	Carbon Steel
20	Grub Screw	Carbon Steel

### Dimensions and Weights

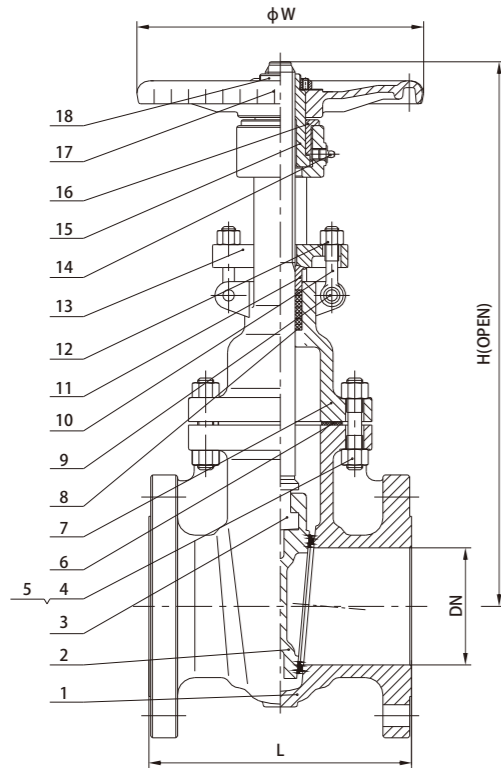
PN	DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
63	L	240	250	290	310	350	400	450	550	650	750	850	950	1150	1350
	H	385	440	480	525	625	740	810	1045	1260	1490	1630	1840	2260	2720
	W	180	200	250	250	280	400	450	500	500	600	650	700	800	900
100	L		250	290	310	350	400	450	550	650	750	750	950		
	H		460	500	550	660	765	850	1090	1310	1550	1710	1920		
	W		220	250	280	300	400	450	500	550	600	650	700		
160	L		300	360	390	450	525	600	750						
	H		612	677	686	751	868	997	1224						
	W		350	400	400	500	550	650	750						

# DIN Rising Stem Gate Valve F4 Series (PN4,PN6,PN10,PN16)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3352  
Face to face: DIN3202-F4,EN558-1  
End flange Dimensions: DIN2543, EN1092-1  
Pressure test: DIN3230,EN12266-1



### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Disc	GS-C25+13Cr
3	Stem	A182 F6
4	Nut	A194 2H
5	Bolt	A193 B7
6	Gasket	SS+Graphite
7	Bonnet	GS-C25
8	Packing	Graphite
9	Pin	Carbon Steel
10	Gland EyeBolt	A193 B7
11	Gland	A182 F6
12	Nut	A194 2H
13	Gland Flange	GS-C25
14	Nipple	Brass
15	Stem Nut	A439 D2
16	Retaining Nut	Carbon Steel
17	Hand Wheel	A536
18	Nut	Carbon Steel

### Dimensions and Weights

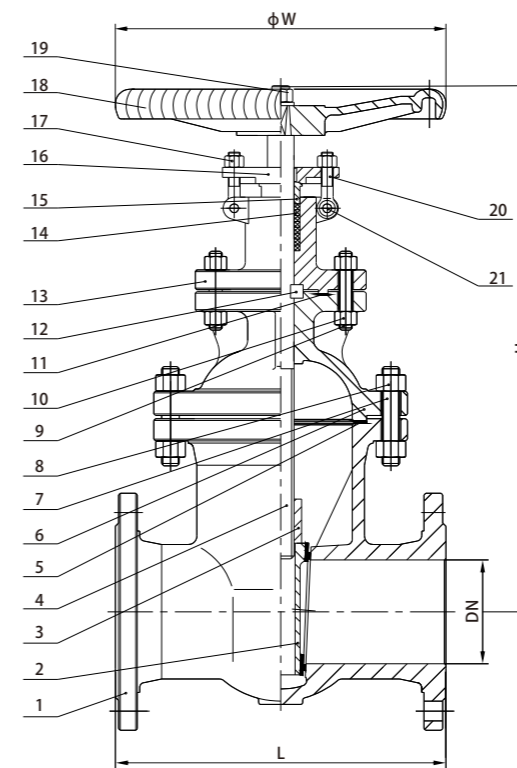
DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800	900	1000	1200	1500
L	140	150	170	180	190	200	210	230	250	270	290	310	350	390	430	470	510	550	630	790
H	395	400	435	515	595	725	780	980	1150	1380	1550	1745	2120	2520	3050	3280	3720	4200	5000	6300
W	180	200	220	250	280	300	300	350	400	450	500	550	600	700						

# DIN Non-Rising Stem Gate Valve F5 Series (PN16,PN25)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3352  
Face to face: DIN3202-F5,EN558-1  
End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
EN1092-1  
Pressure test: DIN3230,EN12266-1



### Standard Material Specifications

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Wedge	GS-C25+13Cr
3	Stem Nut	A439 D2
4	Stem	A182 F6
5	Gasket	SS+Graphite
6	Bonnet	GS-C25
7	Bolt	A193 B7
8	Nut	A194 2H
9	Nut	A194 2H
10	Bolt	A193 B7
11	Gasket	SS+Graphite
12	Split Ring	A182 F6
13	Bonnet	GS-C25
14	Packing	Graphite
15	Gland	A182 F6
16	Gland Flange	GS-C25
17	Nut	A194 2H
18	Handwheel	A536
19	Nut	A194 2H
20	Gland Eye Bolt	A193 B7
21	Pin	1035

### Dimensions and Weights

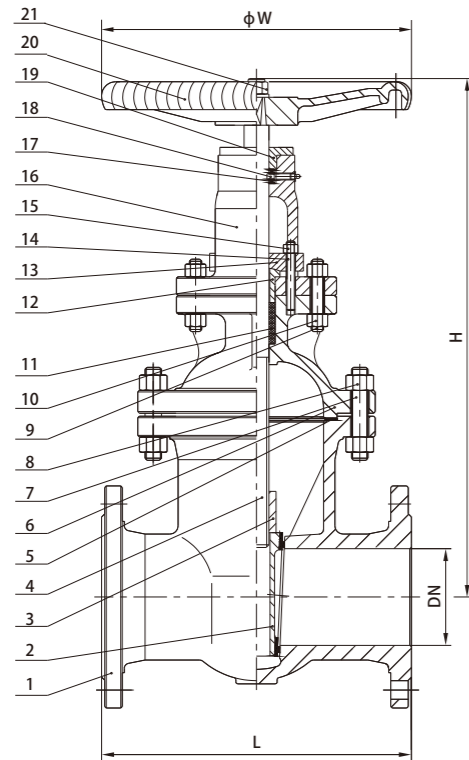
DN	50	65	80	100	125	150
L	250	270	280	300	325	350
H	330	369	413	448	497	555
W	200	200	250	300	300	350
Weight(kg)	PN16	23	30	41	52	102
	PN25	23	30	42	55	110

# DIN Non-Rising Stem Gate Valve F5 Series (PN16,PN25)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3352  
Face to face: DIN3202-F5,EN558-1  
End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
EN1092-1  
Pressure test: DIN3230,EN12266-1



### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Wedge	GS-C25+13Cr
3	Stem Nut	A439 D2
4	Stem	A182 F6
5	Gasket	SS+Graphite
6	Bonnet	GS-C25
7	Bolt	A193 B7
8	Nut	A194 2H
9	Nut	A194 2H
10	Bolt	A193 B7
11	Gasket	SS+Graphite
12	Gland	A182 F6
13	Gland Flange	GS-C25
14	Bolt	A193 B7
15	Nut	A194 2H
16	Yoke	GS-C25
17	Bearing	Steel
18	Split Ring	A182 F6
19	Nut	1035
20	Handwheel	A536
21	Nut	A194 2H

### Dimensions and Weights

DN	200	250	300	350	400	
L	400	450	500	550	600	
H	723	845	920	1065	1205	
W	350	400	450	500	550	
Weight(kg)	PN16	155	248	385	473	598
	PN25	205	282	390	485	626

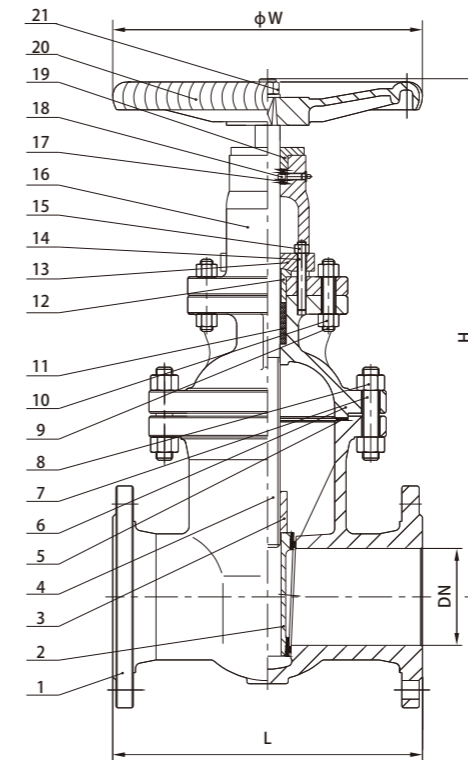


# DIN Non-Rising Stem Gate Valve F15 Series (PN16,PN25,PN40)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3352  
Face to face: DIN3202-F15,EN558-1  
End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
DIN2545(PN40), EN1092-1  
Pressure test: DIN3230,EN12266-1



### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Wedge	GS-C25+13Cr
3	Stem Nut	A439 D2
4	Stem	A182 F6
5	Gasket	SS+Graphite
6	Bonnet	GS-C25
7	Bolt	A193 B7
8	Nut	A194 2H
9	Nut	A194 2H
10	Bolt	A193 B7
11	Gasket	SS+Graphite
12	Gland	A182 F6
13	Gland Flange	GS-C25
14	Bolt	A193 B7
15	Nut	A194 2H
16	Yoke	GS-C25
17	Bearing	Steel
18	Split Ring	A182 F6
19	Nut	1035
20	Handwheel	A536
21	Nut	A194 2H

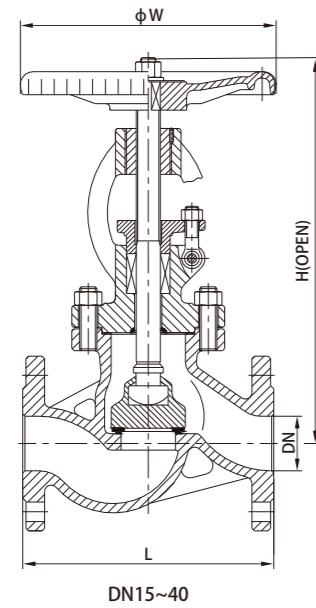
### Dimensions and Weights

PN	DN	50	65	80	100	125	150	200	250	300	350	400
16	L	250	270	280	330	360	390	460	530	630	690	750
	H	305	354	402	437	496	541	699	815	914	1189	1350
	W	200	200	250	300	300	350	350	400	450	500	550
25	L	250	270	280	330	360	390	460	530	630	690	750
	H	325	363	415	453	505	556	744	864	948	1269	1450
	W	200	200	250	300	350	400	450	500	550	600	600
40	L	250	270	280	330	360	390	460	530	630	690	750
	H	325	370	430	480	532	589	783	888	965	1285	1512
	W	200	200	250	300	350	400	450	500	550	600	600

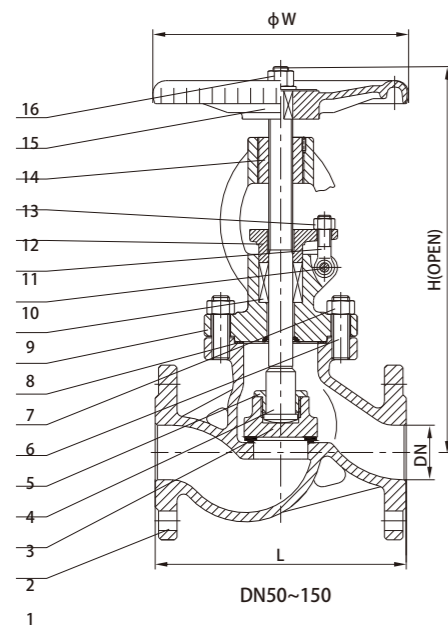


# DIN Globe Valve F1 Series (PN16,PN25,PN40)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



DN15~40



DN50~150

### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356  
Face to face: DIN3202-F1,EN558-1  
End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
DIN2545(PN40), EN1092-1  
Pressure test: DIN3230,EN12266-1

### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Disc	A105+13Cr
3	Stem	A182 F6
4	Disc Nut	A105
5	Bolt	A193 B7
6	Nut	A194 2H
7	Gasket	Graphite
8	Bonnet	GS-C25
9	Packing	Graphite
10	Pin	Carbon Steel
11	Bolt	A193 B7
12	Gland	GS-C25
13	Nut	A194 2H
14	Stem Nut	Bronze
15	Handwheel	A105
16	Nut	A194 2H

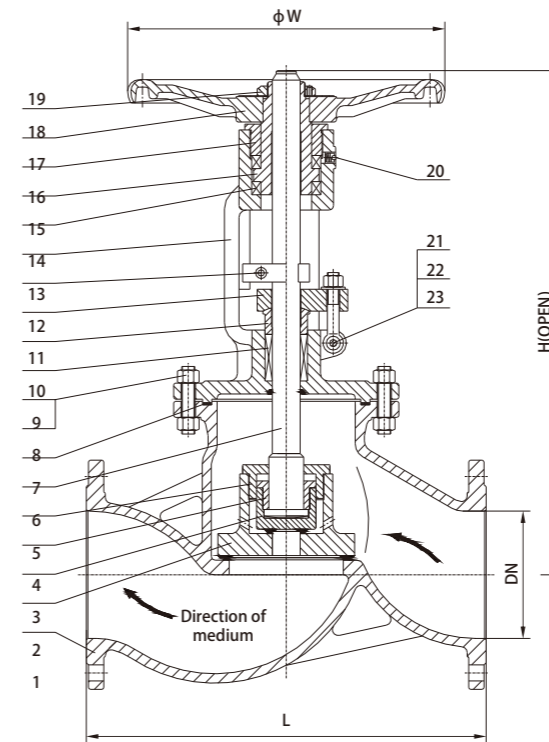
### Dimensions and Weights

DN	15	20	25	32	40	50	65	80	100	125	150
L	130	150	160	180	200	230	290	310	350	400	480
H	210	230	250	275	300	325	385	410	455	510	560
W	PN16	120	120	140	160	180	200	220	250	300	350
	PN25	120	120	160	160	200	200	220	250	300	350
	PN40	120	120	160	160	200	240	280	320	360	400
Weight(kg)	PN16	5.5	7.5	8	8.6	13	20	25	34	45	65
	PN25	6	7.5	8	9	14	22	29	35	47	70
	PN40	6	7.5	8	9	15	24	30	35	48	75



# DIN Globe Valve F1 Series (PN16,PN25,PN40)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356  
Face to face: DIN3202-F1,EN558-1  
End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
DIN2545(PN40), EN1092-1  
Pressure test: DIN3230,EN12266-1

### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Big Disc	A105+13Cr
3	Small Disc	A105+13Cr
4	Small Disc Nut	A105
5	Big Disc Nut	A105
6	Stem	A182 F6a
7	Gasket	Graphite
8	Nut	A194 2H
9	Bolt	A193 B7
10	Packing	Graphite
11	Gland	A182 F6a
12	Gland Flange	GS-C25
13	Splint	Carbon Steel
14	Bonnet	GS-C25
15	Bearings	Alloy Steel
16	Stem Nut	A439 D2
17	Retaining Nut	1035
18	Handwheel	A536
19	Nut	Carbon Steel
20	Nipple	Brass
21	Pin	Carbon Steel
22	Bolt	A193 B7
23	Nut	A194 2H

### Dimensions and Weights

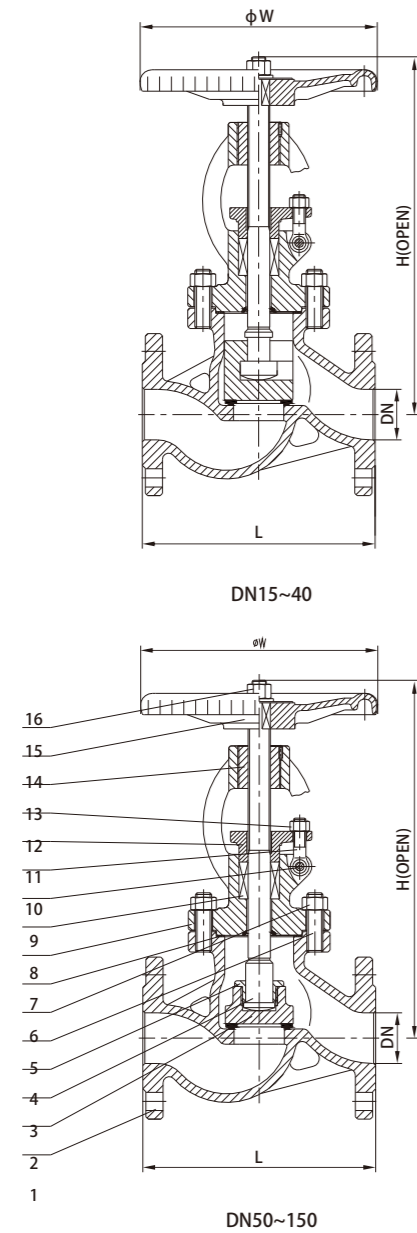
DN	200	250	300	350	400	500
L	600	730	850	980	1100	1250
H	785	928	1030	1170	1220	1450
W	450	500	600	700	800	800





# DIN Globe Valve F2 Series (PN63)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356  
 Face to face: DIN3202-F2, EN558-1  
 End flange Dimensions: DIN2546, EN1092-1  
 Pressure test: DIN3230, EN12266-1

### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Disc	A105+13Cr
3	Stem	A182 F6
4	Disc Nut	A105
5	Bolt	A193 B7
6	Nut	A194 2H
7	Gasket	Graphite
8	Bonnet	GS-C25
9	Packing	Graphite
10	Pin	Carbon Steel
11	Bolt	A193 B7
12	Gland	GS-C25
13	Nut	A194 2H
14	Stem Nut	Bronze
15	Handwheel	A105
16	Nut	A194 2H

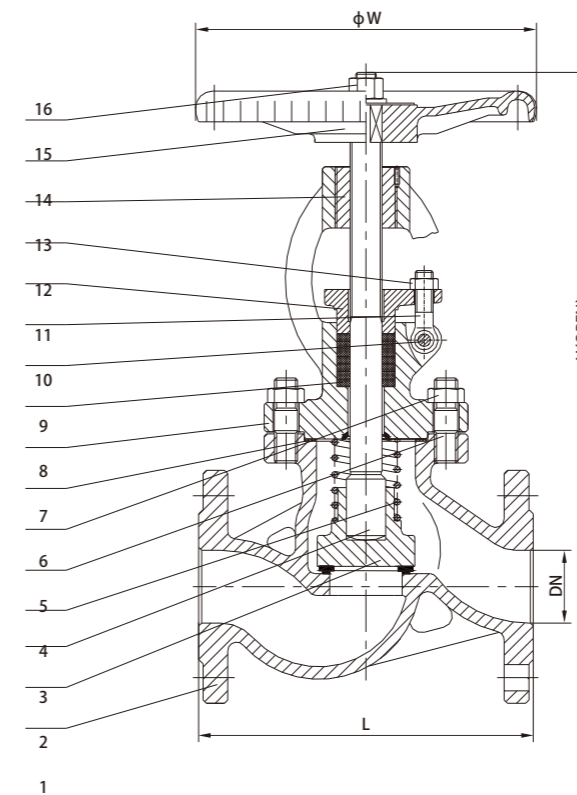
### Dimensions and Weights

DN	15	20	25	32	40	50	65	80	100	125	150
L	210	230	230	260	260	300	340	380	430	500	550
H	210	230	250	275	300	325	385	410	455	510	560
W	120	120	140	160	180	200	220	250	300	350	400
Weight(kg)	8	10	12	16	17	26	33	41	60	85	110



# DIN Globe Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356  
 Face to face: DIN3202-F1, EN558-1  
 End flange Dimensions: DIN2545, EN1092-1  
 Pressure test: DIN3230, EN12266-1

### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Disc	A105+13Cr
3	Stem	A182 F6
4	Spring	1065
5	Bolt	A193 B7
6	Nut	A194 2H
7	Gasket	Graphite
8	Bonnet	GS-C25
9	Packing	Graphite
10	Pin	Carbon Steel
11	Bolt	A193 B7
12	Gland	GS-C25
13	Nut	A194 2H
14	Stem Nut	Bronze
15	Handwheel	A105
16	Nut	A194 2H

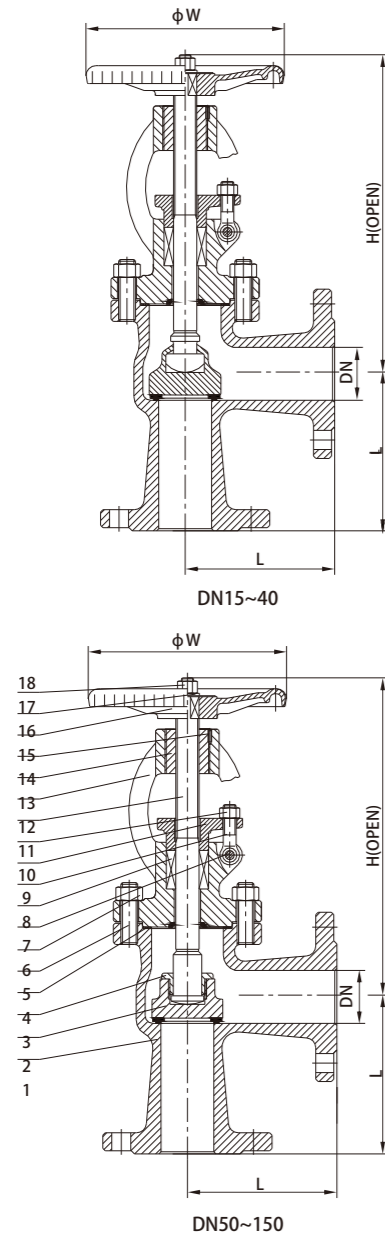
### Dimensions and Weights

PN	DN	15	20	25	32	40	50	65	80	100	125	150
40	L	130	150	160	180	200	230	290	310	350	400	480
	H	210	230	250	275	300	325	385	410	455	510	560
	W	120	120	140	160	180	200	220	250	300	350	400



# DIN Angle Globe Valve F32 Series (PN16,PN25,PN40)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356  
Face to face: DIN3202-F32,EN558-1  
End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
DIN2545(PN40), EN1092-1  
Pressure test: DIN3230,EN12266-1

### MAIN PART MATERIAL

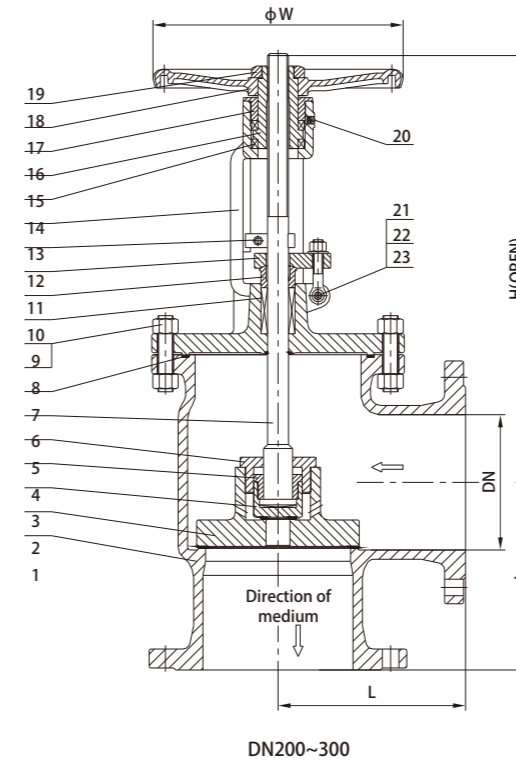
No	Part Name	Material
1	Body	GS-C25+13Cr
2	Disc	A105+13Cr
3	Disc Nut	Carbon Steel
4	Gasket	Graphite
5	Bolt	A193 B7
6	Nut	A194 2H
7	Pin	Carbon Steel
8	Packing	Graphite
9	Eye Bolt	A193 B7
10	Gland	GS-C25
11	Nut	A194 2H
12	Stem	A182 F6a
13	Bonnet	GS-C25
14	Stem Nut	Bronze
15	Grub Screw	Carbon Steel
16	Handwheel	A105
17	Washer	Carbon Steel
18	Nut	A194 2H

### Dimensions and Weights

DN	15	20	25	32	40	50	65	80	100	125	150
L	90	95	100	105	115	125	145	155	175	200	225
H	193	200	223	256	273	287	328	352	400	452	480
W	PN16	120	120	160	160	200	200	220	250	300	350
	PN25	120	120	160	160	200	200	220	250	300	350
	PN40	120	120	160	160	200	240	280	320	360	400
Weight(kg)	PN16	6	7.5	8	9	14	18	26	29	48	69
	PN25	6	7.5	8	9	15	19	29	31	52	72
	PN40	7	8.5	9	12	16	20	32	34	55	78

# DIN Angle Globe Valve F32 Series (PN16,PN25,PN40)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356  
Face to face: DIN3202-F32,EN558-1  
End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
DIN2545(PN40), EN1092-1  
Pressure test: DIN3230,EN12266-1

### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25+13Cr
2	Big Disc	A105+13Cr
3	Small Disc	A105+13Cr
4	Small Disc Nut	A105
5	Big Disc Nut	A105
6	Stem	A182 F6a
7	Gasket	Graphite
8	Nut	A194 2H
9	Bolt	A193 B7
10	Packing	Graphite
11	Gland	A182 F6a
12	Gland Flange	GS-C25
13	Splint	Carbon Steel
14	Bonnet	GS-C25
15	Bearings	Alloy Steel
16	Stem Nut	A439 D2
17	Retaining Nut	1035
18	Handwheel	A536
19	Nut	Carbon Steel
20	Nipple	Brass
21	Pin	Carbon Steel
22	Bolt	A193 B7
23	Nut	A194 2H

### Dimensions and Weights

DN	200	250	300
L	275	325	375
H	730	780	880
W	PN16	450	500
	PN25	450	500
	PN40	500	550

## DIN Angle Globe Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

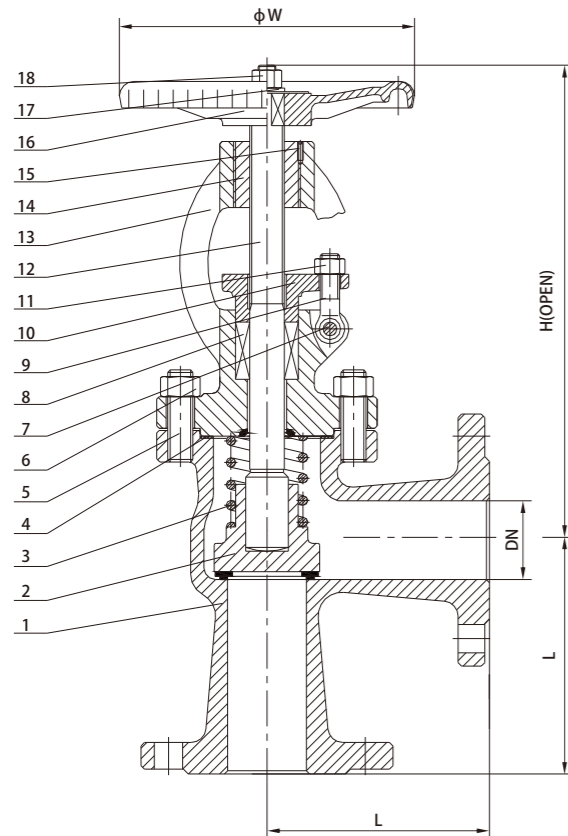
### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356

Face to face: DIN3202-F32,EN558-1

End flange Dimensions: DIN2545, EN1092-1

Pressure test: DIN3230,EN12266-1



### MAIN PART MATERIAL

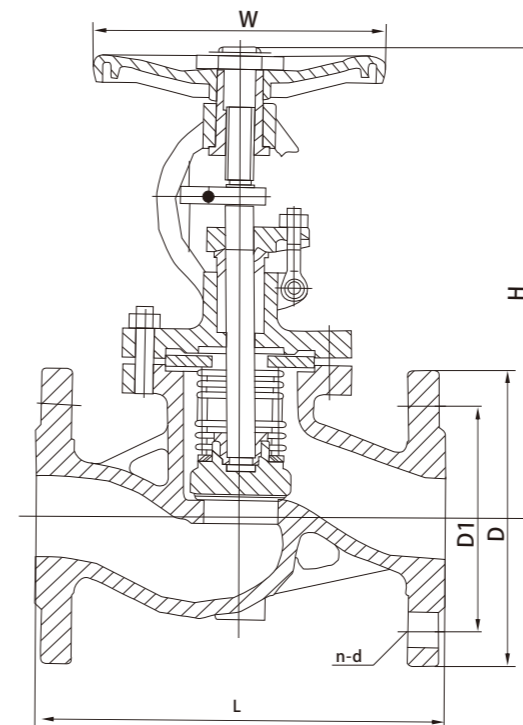
No	Part Name	Material
1	Body	GS-C25+13Cr
2	Disc	A105+13Cr
3	Spring	1065
4	Gasket	Graphite
5	Bolt	A193 B7
6	Nut	A194 2H
7	Pin	Carbon Steel
8	Packing	Graphite
9	Eye Bolt	A193 B7
10	Gland	GS-C25
11	Nut	A194 2H
12	Stem	A182 F6a
13	Bonnet	GS-C25
14	Stem Nut	Bronze
15	Grub Screw	Carbon Steel
16	Handwheel	A105
17	Washer	Carbon Steel
18	Nut	A194 2H

### Dimensions and Weights

PN	DN	15	20	25	32	40	50	65	80	100	125	150
40	L	90	95	100	105	115	125	145	155	175	200	225
	H	193	200	223	256	273	287	328	352	400	452	480
	W	120	120	160	160	200	240	280	320	360	400	450

## DIN Bellows Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### Valve For Main Parts Name

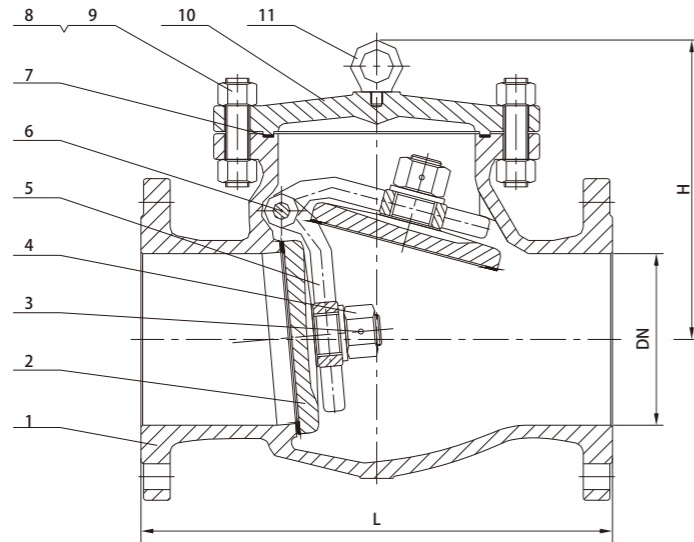
No	Part Name	KWJH41-16/25	KWJH41-40
1	Body	GS-C25N Carbon Steel	GS-C25N Carbon Steel
2	Bonnet	GS-C25N Carbon Steel	GS-C25N Carbon Steel
3	Disc	2Cr13/3Cr13	
4	Seat	2Cr13/3Cr13	
5	Stem	2Cr13-304	
6	Handwheel	KTH330	
7	Packing	Flexible graphite	
8	Gasket	304+Flexible graphite	
9	Bellows	304/316	

### Main External and Connecting Dimensions

DN	L	H	W		PN16			PN25			PN40		
			PN16	PN25	PN40	D	D1	n-d	D	D1	n-d	D	D1
15	130	191	125	125	95	65	4×14	95	65	4×14	95	65	4×14
20	150	191	125	125	105	75	4×14	105	75	4×14	105	75	4×14
25	160	197	125	125	115	85	4×14	115	85	4×14	115	85	4×14
32	180	200	125	125	140	100	4×18	140	100	4×18	140	100	4×18
40	200	218	150	150	150	110	4×18	150	110	4×18	150	110	4×18
50	230	220	150	150	165	125	4×18	165	125	4×18	165	125	4×18
65	290	238	175	175	185	145	4×18	185	145	8×18	185	145	8×18
80	310	257	175	225	200	160	8×18	200	160	8×18	200	160	8×18
100	350	340	225	300	220	180	8×18	235	190	8×22	235	190	8×22
125	400	360	225	300	250	210	8×18	270	220	8×26	270	220	8×26
150	480	390	300	300	285	240	8×22	300	250	8×26	300	250	8×26
175	550	505	400	-	315	270	8×22	330	280	12×26	-	-	-
200	600	530	400	-	340	295	12×22	360	310	12×26	-	-	-
250	730	665	520	-	405	355	12×26	425	370	12×30	-	-	-
300	850	720	520	-	460	410	12×26	485	430	16×30	-	-	-
350	980	860	520	-	520	470	16×26	555	490	16×33	-	-	-
400	1110	1010	520	-	580	525	16×30	620	550	16×36	-	-	-

## DIN Swing Check Valve F1 and F6 Series

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3840

Face to face: DIN3202-F6, EN558-1

End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
DIN2545(PN40), EN1092-1

Pressure test: DIN3230, EN12266-1

### MAIN PART MATERIAL

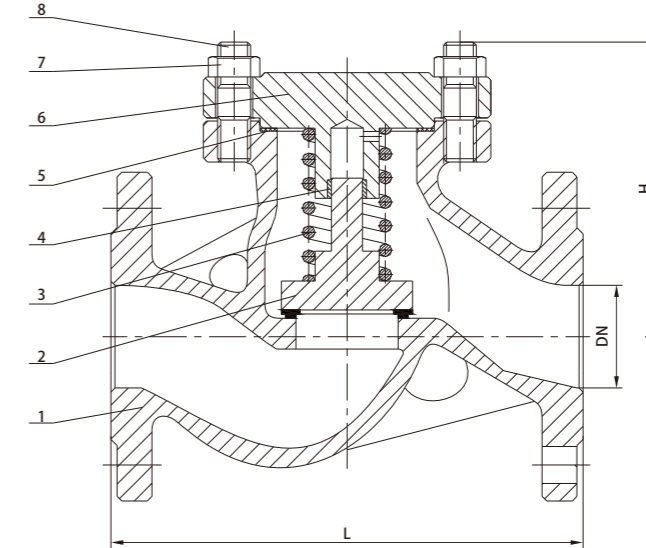
No	Part Name	Material
1	Body	GS-C25+13Cr
2	Disc	GS-C25+13Cr
3	Pin	Carbon Steel
4	Nut	A194 2H
5	Hinge	GS-C25
6	Pin	A182 F6
7	Gasket	Graphite
8	Bolt	A193 B7
9	Nut	A194 2H
10	Bonnet	GS-C25
11	Hook Screw	Carbon Steel

### Dimensions and Weights

PN	DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
16	L	180	200	240	260	300	350	400	500	600	700	800	900	1100	1300
	H	140	150	168	180	210	230	275	340	355	410	475	552	660	740
	Weight(kg)	14	15	19	28	35	48	66							
25	L	180	200	240	260	300	350	400	500	600	700	800	900	1100	1300
	H	140	150	168	180	210	230	275	340	355	410	475	552	660	740
	Weight(kg)	14	15	19	29	38	52	70							
40	L	200	230	290	310	350	400	480	600	730	850	980	1100	1250	1450
	H	140	155	172	185	215	235	285	350	360	425	490	565	680	760
	Weight(kg)	14	15	20	32	42	58	80							

## DIN Lift Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356

Face to face: DIN3202-F1, EN558-1

End flange Dimensions: DIN2545, EN1092-1

Pressure test: DIN3230, EN12266-1

### MAIN PART MATERIAL

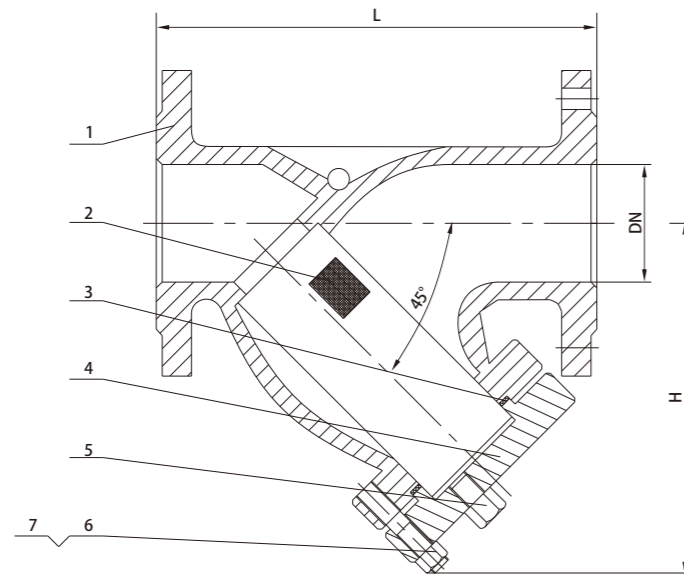
No	Part Name	Material
1	Body	GS-C25+13Cr
2	Disc	A105+13Cr
3	Spring	6150
4	Bush	Bronze
5	Gasket	Graphite
6	Bonnet	GS-C25
7	Nut	A194 2H
8	Bolt	A193 B7

### Dimensions and Weights

PN	DN	15	20	25	32	40	50	65	80	100	125	150
40	L	130	150	160	180	200	230	290	310	350	400	480
	H	90	102	105	120	140	155	172	185	215	235	285

## DIN Y Type-Strainer

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### MAIN PARAMETER SPECIFICATION

Design and manufacture: DIN3356

Face to face: DIN3202-F1,EN558-1

End flange Dimensions: DIN2543(PN16), DIN2544(PN25),  
DIN2545(PN40), EN1092-1

Pressure test: DIN3230,EN12266-1

### MAIN PART MATERIAL

No	Part Name	Material
1	Body	GS-C25
2	Screen	SS304
3	Gasket	Graphite
4	Bonnet	GS-C25
5	Drain Plug	A182 F6
6	Bolt	A193 B7
7	Nut	A194 2H

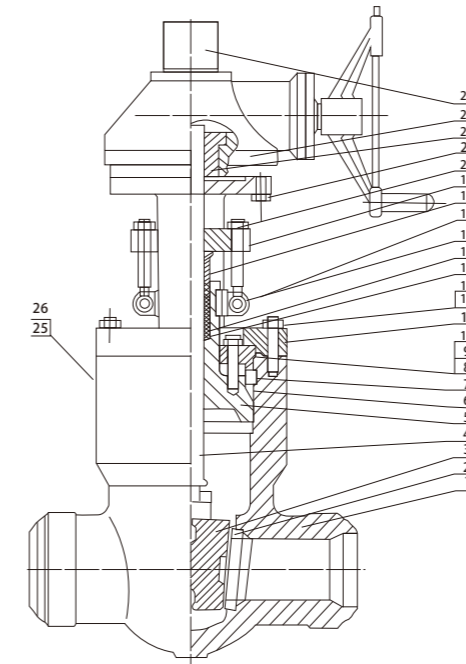
### Dimensions and Weights

DN	50	65	80	100	125	150	200	250	300	350	400
L	230	290	310	350	400	480	600	730	850	980	1100
H	200	220	245	285	330	375	475	550	640	720	770
Weight (kg)	PN16	9.5	16	21	25	35	49	79			
	PN25	10	16.5	21.5	26	37	51	88			
	PN40	10	17	22	27	39	53	110			



## Pressure Seal Gate Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### Size Range: 1-22"

Seating Code	Body Seat Surface Part No.2	Wedge Seat Surface Part No.3	Stem Part No.4	Backseat Surface Stuffing Box Part No.5
1	F6	F6	F6	F6
2	F304	F304	F304	F304
5	Stellite	Stellite	F6	F6
8	Stellite	F6	F6	F6
9	Monel	Monel	Monel	Monel
10	F316	F316	F316	F316
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20

### Standard Material Specifications

Part Name	WCB	WC6	WC9	C5	CF8	CF8M
1	Body	A216 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8M
2	Seat	A182 F6a	A182 F22	A182 F22	A182 F5	A182 F316
3	Disc	A216 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8M
4	Stem	A182 F6a	SAEHNV3		A182 F304	A182 F316
5	Stuffing Box	A216 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8M
6	Seal Ring	AISI 316L	Flexible Graphite+316			
7	Split Ring	Steel	F6	F6	F6	F304
8	Back Ring	Steel	Steel	Steel	Steel	S. S
9	Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8
10	Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8
11	Yoke	A216 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8M
12	Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8
13	Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8
14	Packing Plate	AISI410	AISI 410	AISI 410	AISI 410	AISI 316
15	Packing	Flexible Graphite(Braided and Ring) or PTFE				
16	Split Pin	Steel	Steel	Steel	Steel	Steel
17	Eyebolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8
18	Gland	A182 F6	A182 F6	A182 F6	A182 F6	A182 F304
19	Gland Flange	A105	A105	A105	A105	A182 F304
20	Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8
21	Stud	A193 B7	A193 B7	A193 B7	A193 B7	A193 B7
22	Stem Nut	Ni-resist A439-D2				
23	Gear Box	Purchased				
24	Protector	Steel				
25	Nameplate	AISI 304				
26	Rivet	AISI 304				

Other materials are available on request.



# Pressure Seal Gate Valve Class 900-2500

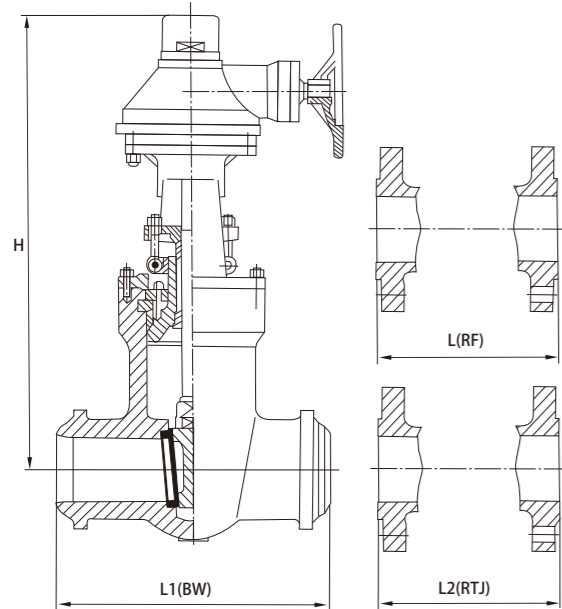
Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

OS & Y, Rising Stem, Flexible Solid Wedge.  
Welded-in or Threaded Seat Ring

STANDARDS COMPLIANCE:  
Basic Design: ANSI B 16.34  
Face to Face Dimension: ANSI B16.10  
End to End Dimension: ANSI B16.10  
End Flanges ANSI B16.5  
B. W. Ends ANSI B 16.25

### Test Pressure to API 598

Class	Test Pressure		
	Shell Test (Hydro.)	Seat Test (Hydro)	Seat Test (Air)
900	3350psig	2442psig	80psig
1500	5626psig	4078psig	80psig
2500	9275psig	6787psig	80psig



### Dimensions(mm) and Weights(kg)

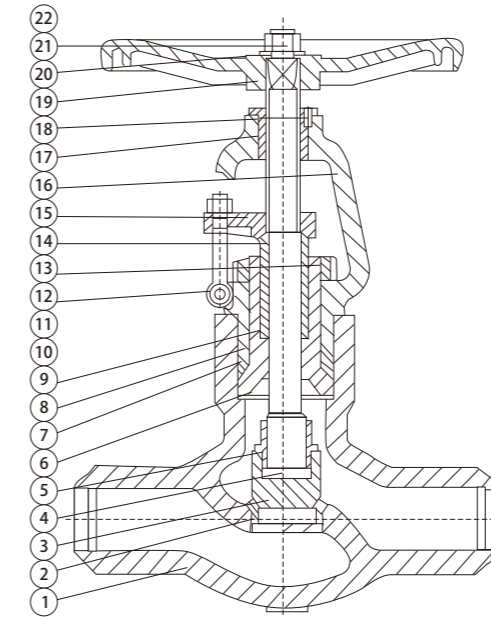
NPS DN	Class	2	2-1/2	3	4	6	8	10	12	14	16	18	20	22	
		50	65	80	100	150	200	250	300	350	400	450	500	600	
L(RF)	900LB	368	419	381	457	610	737	838	965	1029	1130				
	1500LB	368	419	470	546	705	832	991	1130	1257	1384				
	2500LB	451	508	578	673	917	1022	1270							
L1(BW)	900LB	216	254	305	355	508	660	787	914	991	1092				
	1500LB	216	254	305	406	559	711	864	991	1067	1194	1346	1473	1600	
	2500LB	279	330	368	457	610	762	914	1041	1118	1245	1397			
L2(RTJ)	900LB	371	422	384	460	613	740	841	968	1038	1140				
	1500LB	371	422	473	549	711	841	1000	1146	1276	1407				
	2500LB	454	514	584	683	927	1038	1292							
H(Open)	900LB	554	637	680	796	1084	1372	1494	1550	1960	2210				
	1500LB	554	637	767	875	1094	1372	1655	1834	2150	2260	2460	2721	2940	
W	900LB	300	350	350	400	560	460*	610*	610*	610*	760*				
	1500LB	300	450	450	560	305*	460*	610*	610*	760*	760*				
	2500LB	500	500	600	600	460*	460*	610*							
Weight	RF	900LB	50	84	92	154	341	622	950	1295	1720	2380			
		1500LB	60	91	128	182	394	795	1370	2120	2800	3870			
		2500LB	121	175	195	229	720	1295	2250						
	BW	900LB	39	64	82	120	266	524	760	1090	1450	2018			
		1500LB	46	71	85	130	292	587	974	1615	2010	2815	3315	4150	5219
		2500LB	88	135	144	158	500	892	1550	1978	2580	3780	5988		

\*Manual gear operator is recommended.



# Pressure Seal Globe Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



Size Range: 1-20"

### Trim Material To API 600

Seating Code	Body Seat Surface Part No.2	Wedge Seat Surface Part No.3	Stem Part No.4	Backseat Surface Stuffing Box Part No.5
1	F6	F6	F6	F6
2	F304	F304	F304	F304
5	Stellite	Stellite	F6	F6
8	Stellite	F6	F6	F6
9	Monel	Monel	Monel	Monel
10	F316	F316	F316	F316
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20

### Standard Material Specifications

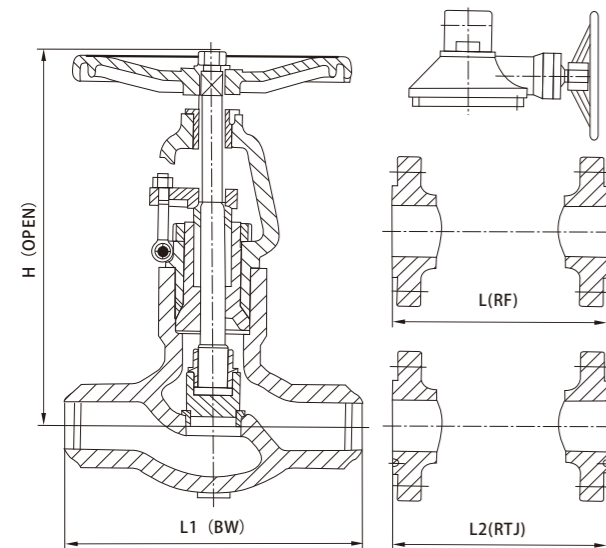
No	Part Name	Carbon steel to ASTM	Alloy steel to ASTM			Stainless Steel to ASTM			
		WCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF8M
2	Seat Ring	A105	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
3	Disc	A105	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
4	Stem	A182 F6	A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L
5	Disc Nut	A182 F6	A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L
6	Cap	SS Spiral Wound/groagute or SS Spiral Wound/PTFE							
7	Body Seal	Flexible Graphite+316							
8	Adjustment Gasket	F6	F6			F316			
9	Stem Packing								
10	Gland Nut	A194 2H				A194 8			
11	Gland Eybolt	A194 B7				A193 B8			
12	Pin	Carbon steel or Stainless Steel							
13	Cap Nut	Carbon steel or Stainless Steel							
14	Gland	A182 F6				A182 F304	A182 F316	A182 F304L	A182 F316L
15	Gland Flange	A216 WCB				A351 CF8			
16	Yoke	A216 WCB				A351 CF8			
17	Stem Nut	A439 D2 or B148-952A							
18	Screw	Carbon steel							
19	Handwheel	Ductile Iron or carbon steel							
20	Name Plate	Stainless steel or Aluminum							
21	Washer	Carbon steel							
22	Nut	Carbon steel or Stainless steel							

Other materials are available on request.



# Pressure Seal Globe Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



OS & Y, Rising Stem, Plug Type Disc  
Threaded Seat Ring

**STANDARDS COMPLIANCE:**

- Basic Design: ANSI B 16.34
- Face to Face Dimension: ANSI B16.10
- End to End Dimension: ANSI B16.10
- Flanged Ends to ANSI B16.5
- B. W. Ends to ANSI B16.25

**Test Pressure to API 598**

Class	Test Pressure		
	Shell Test (Hydro.)	Seat Test (Hydro)	Seat Test (Air)
900	3350psig	2442psig	80psig
1500	5626psig	4078psig	80psig
2500	9275psig	6787psig	80psig

**Dimensions(mm) and Weights(kg)**

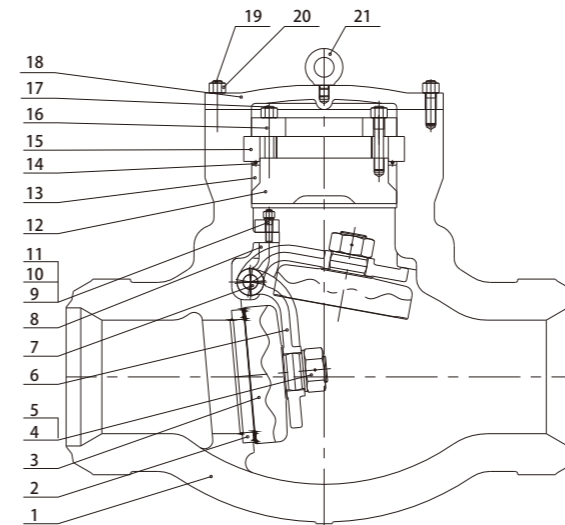
NPS DN	Class	2	2-1/2	3	4	6	8	
		50	65	80	100	150	200	
L(RF) L1(BW)	900LB	368	419	381	457	610	737	
	1500LB	368	419	470	546	705	832	
	2500LB	451	508	578	673	914	1022	
L2(RTJ)	900LB	371	422	384	460	613	740	
	1500LB	371	422	473	549	711	841	
	2500LB	454	514	584	683	927	1038	
H(Open)	900LB	550	605	678	798	930	1260	
	1500LB	550	605	866	956	1260	1263	
	2500LB	560	720	755	1230	1791	2086	
W	900LB	350	350	400	450	458	610*	
	1500LB	400	400	450	560	610*	610*	
	2500LB	400	450	560	310*	610*	760*	
Weight	RF	900LB	78	108	102	142	400	960
		1500LB	85	110	135	230	660	1590
		2500LB	140	168	247	620	1500	3200
	BW	900LB	66	91	87	128	355	868
		1500LB	77	101	122	209	595	1440
		2500LB	100	118	180	438	1148	2594

Manual gear operator is recommended.



# Pressure Seal Swing Check Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



Size Range: 1-20"

**Trim Material to API 600**

Seating Code	Body Seat Surface Part No.2	Disc Seat Surface Part No.3	Hinge Pin Part No.7
1	13Cr	13Cr	F6
2	316	316	F316
5	Stellite	Stellite	F6
8	Stellite	6	F6
9	Monel	Monel	Monel
10	316	316	F316
13	Alloy 20	Alloy 20	Alloy 20

**Standard Material Specifications**

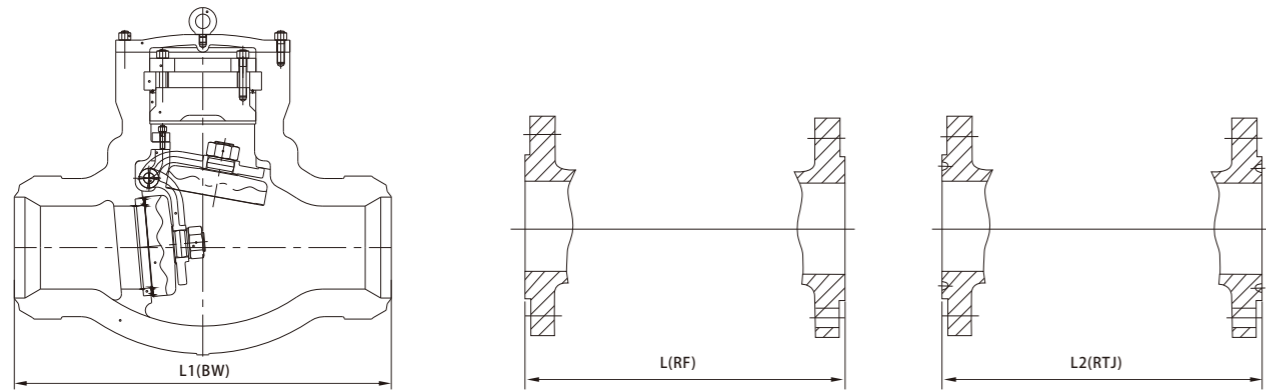
Part Name	WCB	WC6	WC9	C5	CF8	CF8M
1 Body	A216 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M
2 Seat Ring	13Cr	STL6			304	316
3 Disc	A216 W	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M
4 Washer	Steel	Steel	Steel	Steel	Steel	Steel
5 Disc Nut	AISI 410	AISI 410	AISI 410	AISI 410	AISI 304	AISI 316
6 Hinge	A216 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M
7 Hinge Pin	AISI 410	ASTMA182 F22			AISI 304	AISI 316
8 Holder	AISI 410	AISI 410	AISI 410	AISI 410	AISI 304	AISI 316
9 Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8
10 Washer	Steel	Steel	Steel	Steel	Steel	Steel
11 Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8
12 Supporter	Steel	Steel	Steel	Steel	S.S.	S.S.
13 Seal Ring	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L	AISI 316L
14 Plate	A105	A217 WC6	A217 WC9	A217 WC9	A351 CF8	A351 CF8M
15 Split Ring	Steel	Steel	Steel	Steel	S.S.	S.S.
16 Damper	A105	ASTMA182 F22			A182 F304	A351 F316
17 Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8
18 Cover	A216 WCB	A217 WC6	A217 WC9	A217 WC9	A351 CF8	A351 CF8M
19 Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8
20 Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8
21 Hook Screw	Steel	Steel	Steel	Steel	Steel	Steel

Other materials are available on request.



# Pressure Seal Swing Check Valve Class 900-2500

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



Pressure Seal Cover,  
Welded-in or Threaded Seat Ring

**STANDARDS COMPLIANCE:**

Basic Design: API 6D or BS 1868  
Face to Face Dimension: ANSI B16.10  
Flanged Ends: ANSI B16.5  
B. W. Ends: ANSI B16.25

**Test Pressure to API 598**

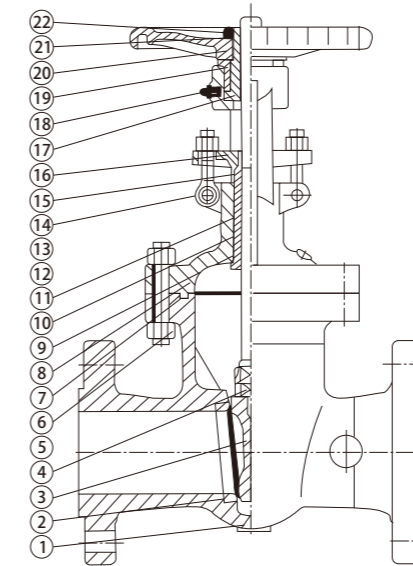
Class	Test Pressure		
	Shell Test (Hydro.)	Seat Test (Hydro)	Seat Test (Air)
900	3350psig	2442psig	80psig
1500	5626psig	4078psig	80psig
2500	9275psig	6787psig	80psig

**Dimensions(mm) and Weights(kg)**

NPS DN	Class	2	2-1/2	3	4	6	8	10	12	14	16	
		50	65	80	100	150	200	250	300	350	400	
L(RF)	900LB	368	419	381	457	610	737	838	965	1029	1130	
	1500LB	368	419	470	546	705	832	991	1130	1257	1384	
	2500LB	451	508	578	673	914	1022	1270	1422			
L1(BW)	900LB	216	254	305	365	508	660	787	914	991	1092	
	1500LB	216	254	305	406	559	711	864	991	1067	1194	
	2500LB	279	330	368	457	610	762	914	1041	1118	1245	
L2(RTJ)	900LB	371	422	384	460	613	740	841	968	1038	1140	
	1500LB	371	422	473	549	711	841	1000	1146	1276	1407	
	2500LB	454	514	584	683	927	1038	1292	1445			
W	900LB	188	210	210	216	368	511	614	705	736	756	
	1500LB	265	265	270	370	475	570	630	770	795	824	
	2500LB	280	305	310	370	485	544	710	800	905	944	
Weight	RF	900LB	50	65	62	124	256	513	940	1450	1725	1834
		1500LB	60	75	73	130	334	590	1025	1530	1854	2060
		2500LB	88	115	135	215	550	900	1600	2300		
	BW	900LB	35	46	44	78	179	385	705	1130	1355	1465
		1500LB	42	53	51	86	230	460	715	1150	1390	1544
		2500LB	88	90	95	160	385	640	1200	1325	1545	2050

# Gate Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



OS & Y, Rising Stem, Flexible Solid Wedge  
Bolted Bonnet, Threaded or Welded Seat Ring  
Non-Rising Gate Valve

**STANDARDS COMPLIANCE:**

Basic Design: API600, BS1414  
Face to Face Dimension: ANSI B16.10  
End to End Dimension: ANSI B16.10  
End Flange Dimension: 2"-24" to ANSI B16.5, 26"-60" to MSS SP-44, to ANSI B16.47-A on request  
B. W. Ends to ANSI B16.25  
Manufacturing to NACE MR-01-75 on request

**Standard Material Specifications**

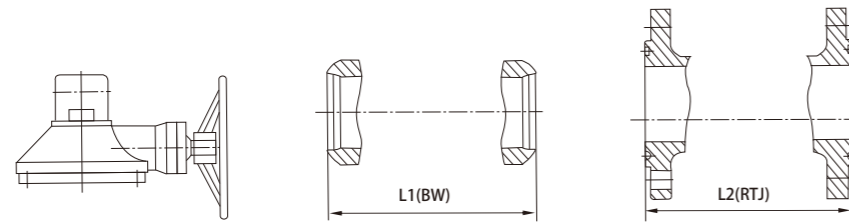
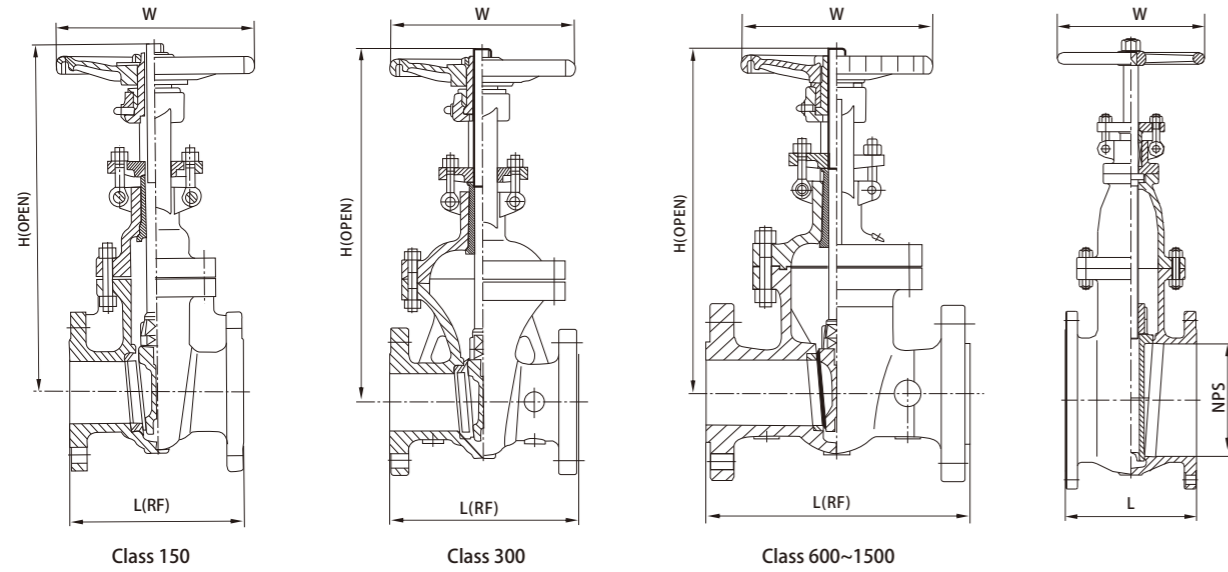
No	Part Name	Carbon steel to ASTM		Alloy steel to ASTM			Stain Steel to ASTM			
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Seat Ring	A105	A350 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
3	Wedge	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	Stem	A182 F6	A182 F6	A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L
5	Bonnet nut	A194 2H	A194 4	A194 7			A194 8			
6	Bonnet bolt	A193 B7	A320 L7	A193 B16			A193 B8			
7	Gasket	SS Spiral Wound/graphite or SS Spiral Wound/PTFE								
8	Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
9	Backseat bushing	A182 F6	A182 F6	A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L
10	Stem packing	Graphite or PTFE								
11	Lantern	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
12	Gland Nut	A194 2H			A194 8					
13	Gland Eyebolt	A194 B7			A193 B8					
14	PIN	Carbon steel or Stainless Steel								
15	Gland	A182 F6			A182 F304	A182 F316	A182 F304L	A182 F316L		
16	Gland Flange	A216 WCB			A351 CF8					
17	Stem Nut	A439 D2 or B148-952A								
18	Nipple	Carbon steel or Stainless Steel								
19	Retaining Nut	Carbon steel								
20	Hand Wheel	Ductile Iron or carbon steel								
21	Name Plate	Stainless steel or Aluminum								
22	H. W. Lock NUT	Carbon steel								

Other materials (Alloy 20, AISI321, AISI347, Monel, Hastelloy, etc) are available on request  
Class 150 gate valve is not provided with Lantern



## Gate Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### Test Pressure to API598

Class	Body Material	Shell Test (Hydrostatic)	Seat Test (Hydrostatic)	Seat Test (Air)
150	WCB	450psi	315psi	80psi
	WC6	450psi	319psi	
	CF8M	425psi	303psi	
300	WCB	1125psi	814psi	80psi
	WC6	1125psi	825psi	
	CF8M	1100psi	792psi	
600	WCB	2225psi	1628psi	80psi
	WC6	2250psi	1650psi	
	CF8M	2175psi	1548psi	
900	WCB	3350psi	2442psi	80psi
	WC6	3375psi	2475psi	
	CF8M	3250psi	2376psi	
1500	WCB	5575psi	4078psi	80psi
	WC6	5625psi	4125psi	
	CF8M	5400psi	3960psi	

## Gate Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### Dimensions and Weights

		Class 150																					
NPS	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	30	32	36	40	42	48	60
DN	mm	50	60	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1050	1200	1500
L	in	7	7-1/2	8	9	10	10-1/2	11-1/2	13	14	15	16	17	18	20	24	24	26	28	-	-	-	-
	mm	178	190	203	229	254	267	292	330	356	381	406	432	457	508	610	610	660	711	813	813	1067	-
L1 (RF)	in	8-1/2	9-1/2	11-1/8	12	15	15-7/8	16-1/2	18	19-3/4	22-1/2	24	26	28	32	36	36	38	40	-	-	-	-
	mm	216	241	283	305	381	403	419	457	502	572	610	660	711	813	914	914	965	1016	1067	1143	1371	-
L2 (RTJ)	in	7-1/2	8	8-1/2	9-1/2	10-1/2	11	12	13-1/2	14-1/2	15-1/2	16-1/2	17-1/2	18-1/2	20-1/2	24-1/2	24-1/2	26-1/2	28-1/2	-	-	-	-
	mm	191	203	216	241	267	279	305	343	368	394	419	445	470	521	622	622	673	724	-	-	-	-
H (OPEN)	in	16-1/8	18-9/16	20-15/16	24-1/8	27-15/16	31-3/4	39	46-11/16	55-5/16	63-9/16	71-5/16	78-3/16	87	106-1/4	119-5/16	130-9/16	137-1/4	150-9/16	-	-	-	-
	mm	409	472	532	612	710	806	990	1186	1405	1615	1811	1986	2210	2698	3030	3317	3487	3825	-	-	-	-
W	in	7-7/8	7-7/8	9-7/8	9-7/8	11-13/16	11-13/16	13-3/4	17-11/16	19-11/16	18-1/8	18-1/8	18-1/8	24	24	24	24	30	-	-	-	-	
	mm	200	200	250	250	300	300	350	450	500	160*	160*	160*	610*	610*	610*	610*	610*	760*	-	-	-	-
WT (kg)	RF	20	30	36	53	71	85	136	220	323	387	553	660	810	1250	1931	2380	2490	3600	4520	4950	6300	-
	BW	17	26	29	46	66	77	116	202	294	350	506	575	720	1130	1765	2028	2280	3080	-	-	-	-

\*Manual gear operator is recommended

		Class 300																			
NPS	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	32	36	40	42	48
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	8-1/2	9-1/2	11-1/8	12	15	15-7/8	16-1/2	18	19-3/4	30	33	36	39	45	55	-	-	-	-	-
	mm	216	241	283	305	381	403	419	457	502	762	838	914	991	1143	1397	1524	1727	1955	2032	2286
L2 (RTJ)	in	9-1/8	10-1/8	11-3/4	12-5/8	15-5/8	16-1/2	17-1/8	18-5/8	20-3/8	30-5/8	33-5/8	36-5/8	39-3/4	45-7/8	56	-	-	-	-	-
	mm	232	257	298	321	397	419	435	473	518	778	854	930	1010	1165	1422	1553	1756	-	-	-
H (OPEN)	in	15-3/4	18-3/4	21-3/8	25-5/8	30-5/16	34-5/8	40-13/16	50-3/16	56-5/8	65	72-7/16	79-15/16	88-3/16	114-3/16	139-3/8	-	-	-	-	-
	mm	400	477	543	650	770	880	1037	1275	1438	1650	1840	2030	2240	2900	3540	-	-	-	-	-
W	in	7-7/8	9-7/8	9-7/8	11-13/16	11-13/16	13-3/4	17-11/16	19-11/16	22-1/16	18-1/8	18-1/8	24	24	24	30	-	-	-	-	-
	mm	200	250	250	300	300	350	450	500	560	460*	460*	610*	610*	610*	760*	-	-	-	-	-
WT (kg)	RF	30	39	55	83	92	137	240	333	536	699	1010	1205	1720	2800	3786	4380	6000	7970	9510	12600
	BW	26	34	47	68	77	118	195	271	432	595	848	1025	1460	2294	3220	3800	5300	-	-	-

\*Manual gear operator is recommended

		Class 600												
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L-L1 (RF-BW)	in	11-1/2	13	14	17	22	26	31	33	35	39	43	47	55
	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397
L2 (RTJ)	in	11-5/8	13-1/8	14-1/8	17-1/8	22-1/8	26-1/8	31-1/8	33-1/8	35-1/8	39-1/8	43-1/8	47-1/4	55-3/8
	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407
H (OPEN)	in	18-5/8	21-3/4	23-3/8	28-1/16	38-3/16	44-3/16	52-3/8	59-13/16	68-1/8	72-1/4	90-1/8	98-13/16	119
	mm	474	553	593	713	970	1122	1330	1519	1730	1835	2290	2510	3022
W	in	9-7/8	9-7/8	11-13/16	13-3/4	19-11/16	22-1/16	28-3/8	24	24	24	24	30	30
	mm	250	250	300	350	500	560	720	610*	610*	610*	610*	760*	760*
WT (kg)	RF	41	58	88	131	253	413	623	784	1288	1820	2150	2540	4080
	BW	35	50	68	104	208	328	496	637	1120	1448	1828	2201	3360

\*Manual gear operator is recommended

# Gate Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

## Dimensions and Weights

Class 900											
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L-L1 (RF-BW)	in	14-1/2	16-1/2	15	18	24	29	33	38	40-1/2	44-1/2
	mm	368	419	381	457	610	737	838	965	1029	1130
L2 (RTJ)	in	14-5/8	16-5/8	15-1/8	18-1/8	24-1/8	29-1/8	33-1/8	38-1/8	40-7/8	44-7/8
	mm	371	422	384	460	613	740	841	968	1038	1140
H (OPEN)	in	21-9/16	27-9/16	25-1/2	28-11/16	41	49-5/8	62-5/8	70-11/16	79-3/4	85-7/16
	mm	547	700	648	729	1041	1260	1590	1795	2025	2170
W	in	11-13/16	14	15-3/4	17-11/16	22-1/16	18-1/8	24	24	30	30
	mm	300	355	400	450	560	460*	610*	610*	760*	760*
WT (KG)	RF	90	110	123	148	420	650	1160	1700	2300	2750
	BW	82	93	108	122	359	566	980	1450	2000	2390

\*Manual gear operator is recommended

Class 1500											
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L-L1 (RF-BW)	in	14-1/2	16-1/2	18-1/2	21-1/2	27-3/4	32-3/4	39	44-1/2	49-1/2	54-1/2
	mm	368	419	470	546	705	832	991	1130	1257	1384
L2 (RTJ)	in	14-5/8	16-5/8	18-5/8	21-5/8	28	33-1/8	39-3/8	45-1/8	50-1/4	55-3/8
	mm	371	422	473	549	711	841	1000	1146	1276	1407
H (OPEN)	in	22-5/8	27-9/16	31-3/4	34-15/16	42-1/2	53-15/16	59-13/16	65	76-9/16	88-9/16
	mm	574	700	806	887	1079	1370	1520	1651	1945	2250
W	in	13-3/4	15-3/4	17-3/4	22-1/16	12	24	30	30	30	30
	mm	350	400	450	560	305*	610*	760*	760*	760*	760*
WT (KG)	RF	117	175	240	337	680	1228	2278	3260	4100	5960
	BW	93	144	185	285	584	978	1990	2850	3320	4890

\*Manual gear operator is recommended



# Parallel Slab Gate Valve Class 150-600

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

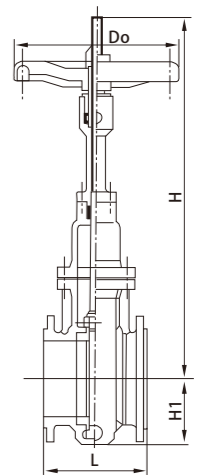
Valves designed to API 6D  
Valves tested to API and API598  
Face-to-Face to API and ANSI B16.10  
RF flanged ends to ANSI B16.5

## Standard Material Specifications

Part Name	Material
Body & Bonnet	A216 WCB, CF8, CF8M, CF3, CF3M
Wedge	Alloy Steel(face harden treated), Stainless steel(with Co overlay)
Stem	Alloy Steel(face erosion-resistant treated)
Seat	Alloy Steel(race Harden Treated, Beset F plastic), Steel(with Co overlay, Beset F plastic)
Packing	PTFE
O-Ring	NBR, FEP
Sealing Grease	

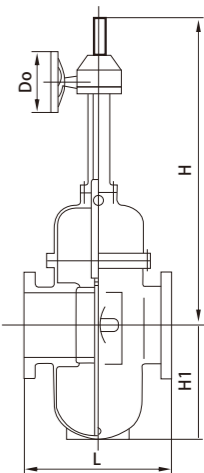
## Parallel Plate Gate Valve Without Diversion Hole Dimensions

Class	Size	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
150	L	178	203	229	267	292	330	356	381	406	432	457
	H	415	530	692	895	1080	1360	1495	1700	1950	2250	2465
	H1	80	98	110	150	170	210	240	265	295	325	335
	Do	250	300	350	350	350	400	500	600	-	-	-
300	L	216	283	305	403	419	457	502	762	838	914	991
	H	415	530	692	895	1080	1360	1495	1700	1950	2250	2465
	H1	80	98	125	180	200	235	280	330	370	400	440
	Do	250	300	350	350	350	400	500	600	-	-	-
600	L	292	356	432	559	660	787	838	889	991	-	-
	H	415	530	692	895	1080	1360	1495	1700	1950	-	-
	H1	80	98	125	180	200	235	280	330	370	-	-
	Do	250	300	350	400	500	600	-	-	-	-	-



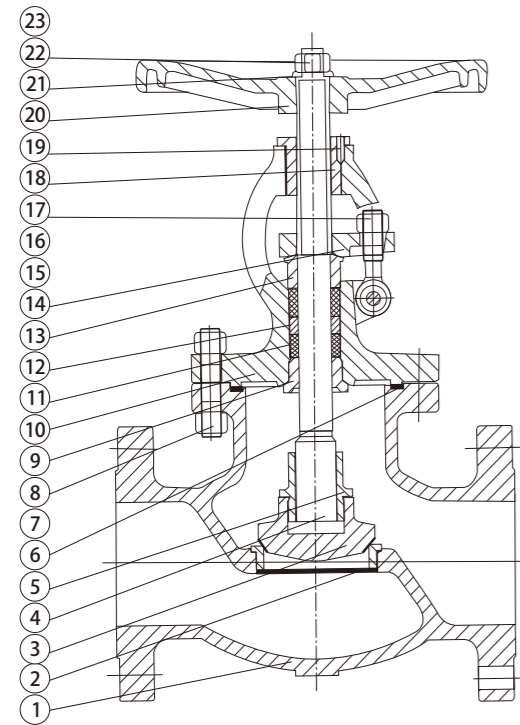
## Parallel Plate Gate Valve Without Diversion Hole Dimensions

Class	Size	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
150	L	178	203	229	267	292	330	356	381	406	432	457
	H	415	530	692	895	1080	1360	1495	1700	1950	2250	2465
	H1	410	195	240	330	410	510	600	685	800	870	955
	Do	250	300	350	350	350	400	500	600	-	-	-
300	L	216	283	305	403	419	457	502	762	838	914	991
	H	415	530	692	895	1080	1360	1495	1700	1950	2250	2465
	H1	140	195	240	330	410	510	600	685	800	870	995
	Do	250	300	350	350	350	400	500	600	-	-	-
600	L	292	356	432	559	660	787	838	889	991	-	-
	H	415	530	692	895	1080	1360	1495	1700	1950	-	-
	H1	410	195	240	330	410	510	600	685	800	-	-
	Do	250	300	350	400	500	600	-	-	-	-	-



# Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



OS & Y, Rising Stem, Plug Type Disc Bolted Bonnet, Threaded Seat Ring

STANDARDS COMPLIANCE:

Basic Design: BS1873

Face to Face Dimension: ANSI B16.10

End to End Dimension: ANSI B16.10

Flanged Ends to ANSI B16.5

B. W. Ends to ANSI B16.25

Manufacturing to NACE MR-01-75 on request

## Standard Material Specifications

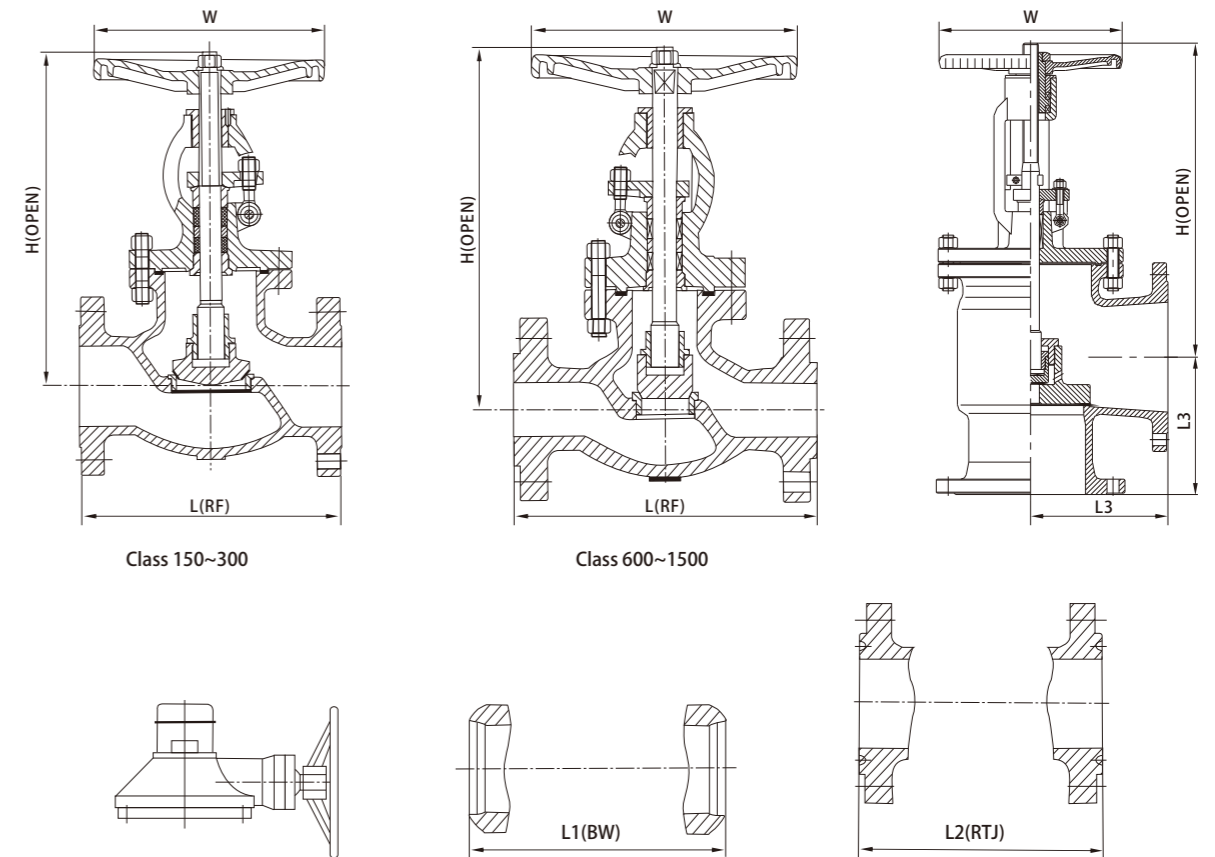
No	Part Name	Carbon steel to ASTM		Alloy steel to ASTM			Stainless Steel to ASTM			
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Seat Ring	A105	A350 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
3	Disc	A105	A250 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
4	Stem	A182 F6	A182 F6	A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L
5	Disc nut	A182 F6	A182 F6	A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L
6	Gasket	SS Spiral Wound/graphite or SS Spiral Wound/PTFE								
7	Bonnet nut	A194 2H	A194 4	A194 7		A194 8				
8	Bonnet bolt	A193 B7	A320 L7	A193 B16		A193 B8				
9	Backseat bushing	A182 B6	A182 F6	A182 F304		A182 F304	A182 F316	A182 F304L	A182 F316L	
10	Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351CF8M	A351CF3	A351 CF3M
11	Lantern	A182 F6	A182 F6	A182 F304			A182 F304	A182 F304L	A182 F304	A182 F316L
12	Stem Packing	Graphite or PTFE								
13	Gland	A182 F6			A182 F304	A182 F316	A182 F316	A182 F316L		
14	Gland Flange	A216 WCB			A351 CF8					
15	Gland Nut	A194 2H			A194 8					
16	Gland Eyebolt	A194 B7			A193 B8					
17	Pin	Carbon steel or Stainless Steel								
18	Stem Nut	A439 D2 or B148-952A								
19	Screw	Carbon steel								
20	Hand Wheel	Ductile Iron or carbon steel								
21	Name Plate	Stainless steel or Aluminum								
22	Washer	Carbon steel								
23	Nut	Carbon steel or Stainless Steel								

Other materials(Alloy 20, Alsi321, Alsi347, Monel, Hastelloy, etc.)are available on request.



# Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



## Test Pressure to API598

Class	Body Material	Shell Test (Hydrostatic)	Seat Test (Hydrostatic)	Seat Test (Air)
150	WCB	450psi	315psi	80psi
	WC6	450psi	319psi	
	CF8M	425psi	303psi	
300	WCB	1125psi	814psi	80psi
	WC6	1125psi	825psi	
	CF8M	1100psi	792psi	
600	WCB	2225psi	1628psi	80psi
	WC6	2250psi	1650psi	
	CF8M	2175psi	1548psi	
900	WCB	3350psi	2442psi	80psi
	WC6	3375psi	2475psi	
	CF8M	3250psi	2376psi	
1500	WCB	5575psi	4078psi	80psi
	WC6	5625psi	4125psi	
	CF8M	5400psi	3960psi	



# Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

## Dimensions and Weights

Class 150										
NPS	in	2	2-1/2	3	4	5	6	8	10	12
DN	mm	50	65	80	100	125	150	200	250	300
L-L1 (RF-BW)	in	8	8-1/2	9-1/2	11-1/2	14	16	19-1/2	24-1/2	27-1/2
	mm	203	216	241	292	356	406	495	622	698
L2 (RTJ)	in	8-1/2	9*	10	12	14-1/2	16-1/2	20	25	28
	mm	216	229	254	305	368	419	508	635	711
L3	mm	102	108	121	146	178	203	248	311	349
H (OPEN)	in	14-11/16	15-3/8	16-9/16	20-1/4	21-3/16	22-5/15	24-5/8	28	39
	mm	373	390	421	515	538	567	626	712	990
W	in	7-7/8	9-7/8	9-7/8	11-13/16	11-13/16	13-3/4	15-3/4	17-3/4	24
	mm	200	250	250	300	300	350	400	450	610
WT (KG)	RF	22	29	42	64	77	105	154	288	507
	BW	19	25	34	49	65	82	131	249	430

Class 300										
NPS	in	2	2-1/2	3	4	5	6	8	10	12
DN	mm	50	65	80	100	125	150	200	250	300
L-L1 (RF-BW)	in	10-1/2	11-1/2	12-1/2	14	15-3/4	17-1/2	22	24-1/2	28
	mm	267	292	318	356	400	444	559	622	711
L2 (RTJ)	in	11-1/8	12-1/8	13-1/8	14-5/8	16-3/8	18-1/8	22-5/8	25-1/8	28-5/8
	mm	283	308	333	371	416	460	575	638	727
L3	mm	133	146	159	178	200	222	279	311	356
H (OPEN)	in	15-11/16	17-1/8	18-3/16	22-1/16	24-3/8	27-5/16	38-5/8	44-1/2	41-5/16
	mm	398	436	462	560	620	694	982	1130	1049
W	in	7-7/8	9-7/8	9-7/8	13-3/4	15-3/4	17-3/4	22-1/16	34	18-1/8
	mm	200	250	250	350	400	450	560	864	460*
WT (KG)	RF	31	43	57	86	130	168	280	385	724
	BW	26	28	44	68	110	138	228	329	618

Class 600										
NPS	in	2	2-1/2	3	4	6	8	10	12	
DN	mm	50	65	80	100	150	200	250	300	
L-L1 (RF-BW)	in	11-1/2	13	14	17	22	26	31	33	
	mm	292	330	356	432	559	660	787	838	
L2 (RTJ)	in	11-5/8	13-1/8	14-1/8	17-1/8	22-1/8	26-1/8	31-1/8	33-1/8	
	mm	295	333	359	435	562	664	791	840	
H (OPEN)	in	16-3/4	19-3/4	20-1/2	24-3/8	34-7/8	36-11/16	41	50-3/8	
	mm	425	502	521	620	886	932	1040	1280	
W	in	9-7/8	11-13/16	13-3/4	17-3/4	28-3/8	18-1/8	24	30	
	mm	250	300	350	450	720	460*	610*	760*	
WT (KG)	RF	39	58	73	120	327	482	700	900	
	BW	33	48	61	95	261	385	588	795	

\*Manual gear operator is recommended



# Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

## Dimensions and Weights

Class 900							
NPS	in	2	2-1/2	3	4	6	8
DN	mm	50	65	80	100	150	200
L-L1 (RF-BW)	in	14-1/2	16-1/2	15	18	24	29
	mm	368	419	381	457	610	737
L2 (RTJ)	in	14-5/8	16-5/8	15-1/8	18-1/8	24-1/8	29-1/8
	mm	371	422	384	460	613	740
H (OPEN)	in	9-7/16	10-1/4	10-1/4	12-5/8	15	20-7/8
	mm	240	260	260	320	382	530
W	in	13-3/4	15-3/4	17-3/4	22-1/16	18-1/8	24
	mm	350	400	450	560	460*	610*
WT (kg)	RF	100	118	131	218	452	710
	BW	75	94	105	185	340	630

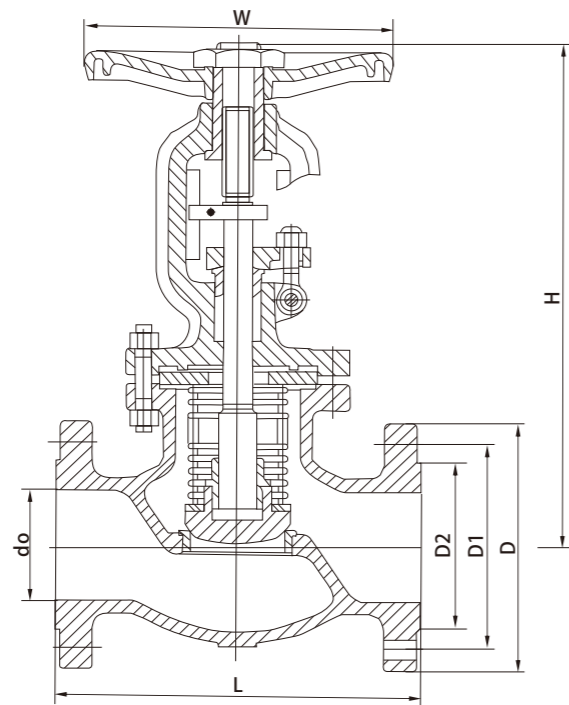
Class 1500							
NPS	in	2	2-1/2	3	4	6	8
DN	mm	50	65	80	100	150	200
L-L1 (RF-BW)	in	14-1/2	16-1/2	18-1/2	21-1/2	27-3/4	32-3/4
	mm	368	419	470	546	705	832
L2 (RTJ)	in	14-5/8	16-5/8	18-5/8	21-5/8	28	33-1/8
	mm	371	422	473	549	711	841
H (OPEN)	in	23-5/16	26	27-1/4	35-11/16	40	45-1/16
	mm	592	660	692	907	1015	1145
W	in	13-3/4	15-3/4	17-3/4	18-1/8	24	24
	mm	350	400	450	460*	610*	610*
WT (KG)	RF	112	141	228	336	650	762
	BW	84	115	183	277	515	630

\*Manual gear operator is recommended



# ANSI More Arrangement Bellows Globe Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

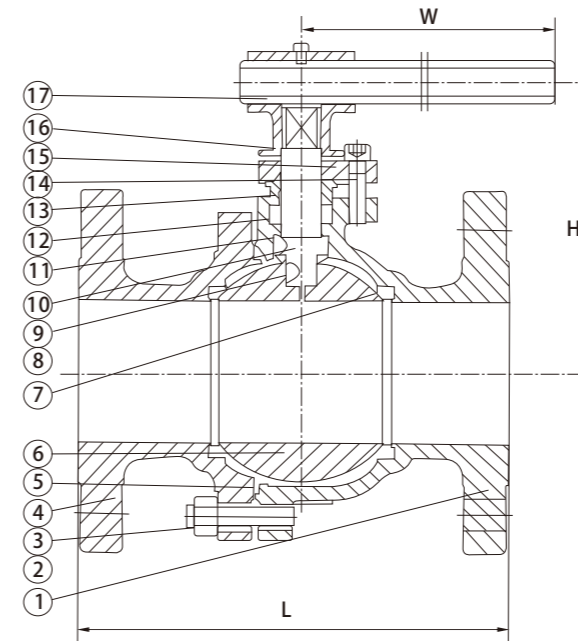


### Main External and Connecting Dimensions

Nominal Pressure (Mpa)	NPS Nominal Diameter (In)	Dimension (mm)						
		do	D	D1	D2	L	H	W
150LB	2	51	152	120.5	92	203	360	180
	2 1/2	64	178	139.5	105	216	390	180
	3	76	190	152.5	127	241	410	280
	4	102	229	190.5	157	292	460	300
	5	127	254	216	186	356	480	320
	6	152	279	241.5	216	406	500	320
	8	203	343	198.5	270	495	560	400
	10	254	406	362	324	622	620	500
	12	305	483	432	381	698	690	600
	14	337	533	476	413	787	770	650
300LB	2	51	165	127	92	267	370	180
	2 1/2	84	190	149	105	292	400	280
	3	76	210	168.5	127	318	420	280
	4	102	254	200	157	356	470	280
	5	127	279	235	186	400	490	320
	6	152	318	270	216	444	510	320
	8	203	381	330	270	559	570	400
	10	254	445	387.5	324	622	630	500
	12	305	521	451	381	711	700	600
	14	337	584	514.5	413	838	780	650

# Class150-600 Two-Piece Floating Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### STANDARDS

Design and manufacture: API6D API608 or BS 5351  
 Face to Face Dimensions: ANSI B16.10  
 End Flange Dimensions: ANSI B16.5  
 Test: API 6D or API 598

### Type of Connection

RF and RTJ Flange Ends to ANSI B16.5 standard.  
 BW Flange Ends to ANSI B16.25 standard.

### Type of Operation

Lever  
 Connection dimensions of Worm Gear actuator, Electric actuator, Pneumatic actuator to ISO 5211 standard.  
 Anti-static electricity constructions "AS" and Fire-safe constructions "FD"

### Standard Material Specifications

No	Part Name	Carbon steel to ASTM			Stainless Steel to ASTM		
		WCB	LCB	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Bonnet nut	A194 2H	A194 4	A194 8			
3	Bonnet bolt	A193 B7	A320 L7	A193 B8			
4	Cap	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
5	Gasket	SS Spiral Wound/graphite or SS Spiral Wound/PTFE					
6	Ball	A105/Ep.Cr or F6	A182 F6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
7	Seat Ring	RPTFE or POM					
8	Small spring	Stainless Steel					
9	Small ball	A182 F304 A182 F316L					
10	Stem	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
11	Stem Seat	PTFE					
12	Stem Packing	PTFE or Graphite					
13	Gland	A182 F6		A182 F304	A182 F316	A182 F304L	A182 F316L
14	Gland Bolt	A193 B7	A193 B8				
15	Gland Flange	A216 WCB	A351 CF8				
16	Positioning Plate	Steel					
17	Wrench	A216 WCB					

The material is according to ASTM standard.

# Class150-600 Two-Piece Floating Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

## Dimensions and Weights

CLASS 150												
DN	mm	15	20	25	40	50	65	80	100	150	200	250
NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10
L(RF)	mm	108	117	127	165	178	191	203	229	394	457	533
	in	4.25	4.6	5	6.5	7	7.5	8	9	15.5	18	21
L1(BW)	mm	140	152	165	190	216	241	283	305	457	521	559
	in	5.5	6	6.5	7.48	8.5	9.5	11.13	12	18	20.5	22
L2(RTJ)	mm	119	129.7	139.7	178	191	203	216	241	406	470	546
	in	4.69	5.11	5.5	6.9	7.5	8	8.5	9.5	16	18.5	21.5
H	mm	59	63	75	95	153	165	195	213	272	342	495
	in	2.3	2.5	2.95	3.74	6.02	6.5	7.68	8.39	10.7	13.5	19.5
Do(W)	mm	130	130	160	230	400	400	600	850	1100	1500	*350
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59	13.8
RF(Kg)		2.3	3	4.5	7	15	20	25	40	97	160	240
BW(Kg)		2.0	2.5	3.8	5.8	12	17	21	36	92.8	154	227

CLASS 300												
DN	mm	15	20	25	40	50	65	80	100	150	200	
NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	
L(RF)	mm	140	152	165	190	216	241	283	305	403	502	
	in	5.5	5.98	6.5	7.48	8.5	8.5	11.13	12	15.88	19.75	
L1(BW)	mm	140	152	165	190	216	241	283	305	457	521	
	in	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	18	20.5	
L2(RTJ)	mm	151	164.7	177.7	202.7	232	257	298	321	419	518	
	in	5.95	6.48	7	8	9.13	10.13	11.75	12.63	16.5	20.38	
H	mm	59	63	75	107	153	165	195	213	272	342	
	in	2.3	2.5	2.95	4.2	6.02	6.5	7.68	8.39	10.7	13.5	
Do(W)	mm	130	130	160	230	400	400	600	850	1100	1500	
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59	
RF(Kg)		2.5	3.5	5.5	10.5	20	25	31	52	118	200	
BW(Kg)		2.1	3	4.8	8.7	17	22	28	48	105	185	

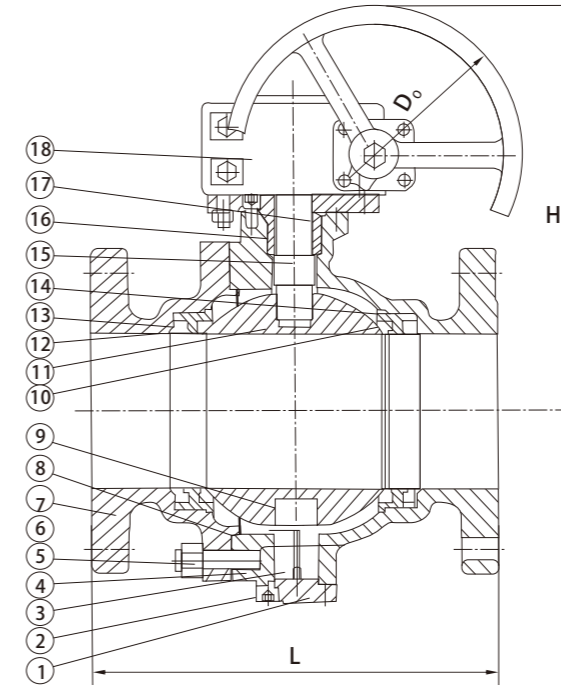
CLASS 600									
DN	mm	15	20	25	40	50	65	80	
NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	
L(RF)	mm	165	190	216	241	292	330	356	
	in	6.5	7.48	8.5	9.5	11.5	13	14	
L1(BW)	mm	165	190	216	241	292	330	356	
	in	6.5	7.48	8.5	9.5	11.5	13	14	
L2(RTJ)	mm	163.4	190	216	241	295	333	359	
	in	6.43	7.48	8.5	9.5	11.63	13.13	14.13	
H	mm	59	63	75	107	153	165	195	
	in	2.3	2.5	2.95	4.2	6.02	6.5	7.68	
Do(W)	mm	130	160	160	230	600	850	1250	
	in	5.1	6.3	6.3	9	23.62	33.46	49.25	
RF(Kg)		7.5	10.5	14.5	18.5	38	56	66	
BW(Kg)		6	8.7	11	14.7	31	49	58	

\* Worm Gear of Electric actuator operated.



# Class150-1500 Two-Piece Trunnion Mounted Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



**STANDARDS**  
 Design and manufacture: API6D, API608, ANSI B16.34 or BS 5351  
 Face to face dimensions: ANSI B16.10  
 Pressure-Temp Ratings: ANSI B16.34  
 Test: API 6D or API 598

**End flange dimensions**  
 NPS 2-24: ANSI B16.5  
 NPS 26: ANSI B16.47 or MSS SP-44

## Standard Material Specifications

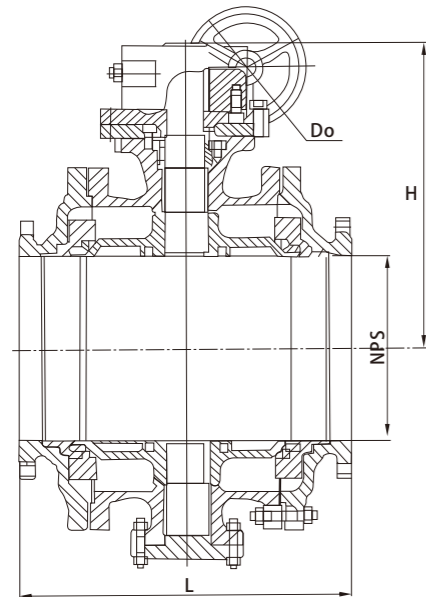
No	Part Name	Carbon steel to ASTM			Stainless Steel to ASTM		
		WCB	LCB	CF8	CF8M	CF3	CF3M
1	Underplate	WCB	LCB	CF8	CF8M	CF3	CF3M
2	Underplate Bolt	A193 B7	A320 L7	A193 B8			
3	Trunnion	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
4	Body	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
5	Bonnet Nut	A194 2H	A194 4	A194 8			
6	Bonnet Bolt	A193 B7	A320 L7	A193 B8			
7	Cap	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
8	Gasket	SS Spiral Wound/graphite or SS Spiral Wound/PTFE					
9	Shaft Sleeve	SS/graphite					
10	Seat Ring	RPTFE or POM					
11	Ball	A105/Ep.Cr or F6	A182 F6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
12	Seat	A105/Ep.Cr or F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
13	Spring	17-17PH(Inconel for NACE) Ni-cr Alloy					
14	O-Ring	Viton					
15	Stem	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
16	Sealing Cover	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
17	O-Ring	Viton					
18	Gear Actuator						

The material is according to ASTM standard.



# Class150-1500 Three-Piece Trunnion Mounted Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



**Type of connection**  
R F and RTJ flange ends to ANSI B16.5 or ANSI B16.47 and MSS SP-44 standard.  
BW flange ends to ANSI B16.25 standard.

**Type of operation**  
Lever  
Connection dimensions of Worm Gear actuator.  
Electric actuator, Pneumatic actuator to ISO 5211 standard.  
Anti-static Electricity constructions "AS" and  
Fire-safe constructions "FD".

## Dimensions and Weights

CLASS 150															
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	28
L(RF)	mm	178	191	203	229	394	457	533	610	686	762	864	914	1067	1245
	in	7	7.5	8	9	15.5	18	21	24	27	30	34	36	42	49
L1(BW)	mm	216	241	283	305	457	521	559	635	762	838	914	991	1143	1346
	in	8.5	9.5	11.13	12	18	20.5	22	25	30	33	36	39	45.5	53
L2(RTJ)	mm	191	203	216	241	406	470	546	622	699	775	876	927	1080	
	in	7.5	8	8.5	9.5	16	18.5	21.5	24.5	27.5	30.5	34.5	36.5	42.5	
H	mm	153	165	195	213	272	342	495	580	625	720	790	840	1050	1150
	in	6.05	6.5	7.68	8.39	10.7	13.5	19.5	22.85	24.6	28.35	31	33.1	41.34	45.3
Do(W)	mm	400	400	600	850	1100	1500	*350	*350	*600	*600	*800	*800	*800	*800
	in	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5	31.5
RF(Kg)		15	19	38	65	97	160	240	390	510	750	895	1190	2100	3000
BW(Kg)		13	17	35	55	92.8	154	227	365	478	711	868	1138	2015	2900

CLASS 300															
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	28
L(RF)	mm	216	241	283	305	403	502	568	648	762	838	914	991	1143	1346
	in	8.5	9.5	11.13	12	15.88	19.75	22.38	25.5	30	33	36	39	45	53
L1(BW)	mm	216	241	283	305	457	521	559	635	762	838	914	991	1143	1346
	in	8.5	9.5	11.13	12	18	20.5	22	25	30	33	36	39	45	53
L2(RTJ)	mm	232	257	298	321	419	518	584	664	778	854	930	1010	1165	1372
	in	9.13	10.13	11.75	12.63	16.5	20.38	23	26.13	30.63	33.63	36.63	39.75	45.89	54
H	mm	153	165	195	213	272	342	495	580	625	720	790	840	1050	1150
	in	6.02	6.5	7.68	8.39	10.7	13.5	19.5	22.85	24.6	28.35	31	33.1	41.34	45.3
Do(W)	mm	400	400	600	850	1100	1500	*350	*350	*600	*600	*800	*800	*800	*800
	in	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5	31.5
RF(Kg)		18	27	47	80	118	200	365	530	740	1030	1320	1540	2600	3900
BW(Kg)		14	22	38	65	105	185	342	503	713	1000	1285	1498	2540	3825

\* Worm Gear or Electric actuator operated.



# Trunnion Mounted Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

## Dimensions and Weights

CLASS 600													
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20
L(RF)	mm	292	330	356	432	559	660	787	838	889	991	1092	1194
	in	11.5	13	14	17	22	26	31	33	35	39	43	47
L1(BW)	mm	292	330	358	432	559	660	787	838	889	991	1092	1194
	in	11.5	13	14	17	22	26	31	33	35	39	43	47
L2(RTJ)	mm	295	333	359	435	562	664	791	841	892	994	1095	1200
	in	11.63	13.13	14.13	17.13	22.13	26.13	31.13	33.13	35	39.5	43.1	47.3
H	mm	153	165	195	213	272	342	495	580	630	725	800	850
	in	6.02	6.5	7.68	8.39	10.7	13.5	19.5	22.85	24.8	28.5	31.5	33.5
Do(W)	mm	600	850	1250	1300	1500	*350	*350	*600	*600	*800	*800	*800
	in	23.62	33.46	49.25	51.22	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5
RF(Kg)		38	56	66	122	217	350	660	820	830	1160	1420	1650
BW(Kg)		31	51	58	117	200	327	605	790	800	1030	1305	1505

CLASS 900													
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20
L(RF)	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321
	in	14.5	16.5	15	18	24	29	33	38	40.5	44.5	48	52
L1(BW)	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321
	in	14.5	16.5	15	18	24	29	33	38	40.5	44.5	48	52
L2(RTJ)	mm	371	422	384	460	613	740	841	968	1032	1133	1222	1327
	in	14.63	16.63	15.13	18.13	24.13	29.13	33.13	38.13	40.6	44.6	48.1	52.3
H	mm	162	195	205	239	290	355	510	595	650	750	835	900
	in	6.36	7.7	8.05	9.41	11.4	14	20	23.4	25.6	29.5	32.9	35.4
Do(W)	mm	600	850	1250	1300	1500	*350	*350	*600	*600	*800	*800	*800
	in	23.62	33.46	49.25	51.22	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5
RF(Kg)		48	60	78	138	315	480	710	890	910	1200	1480	1760
BW(Kg)		44.5	52.5	75.2	131	297	440	690	827	870	1100	1210	1620

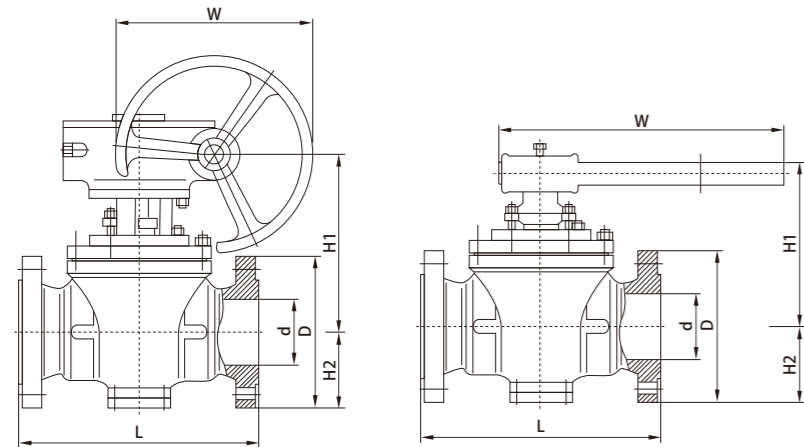
CLASS 1500													
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20
L(RF)	mm	368	419	470	546	705	832	991	1130	1257	1384		
	in	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5	54.5		
L1(BW)	mm	368	419	470	546	705	832	991	1130	1257	1384		
	in	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5	54.5		
L2(RTJ)	mm	371	422	473	549	711	842	1000.5	1146	1276	1406		
	in	14.63	16.63	18.63	21.63	28	33.13	39.38	45.13	50.2	55.4		
H	mm	197	220	254	290	355	510	595	655	680	780		
	in	7.74	8.7	10	11.44	14	20	23.5	25.8	26.8	30.7		
Do(W)	mm	600	*350	*350	*600	*600	*800	*800	*800	*800	*800	*800	*800
	in	23.6	13.8	13.8	23.6	23.6	31.5	31.5	31.5	31.5	31.5	31.5	31.5
RF(Kg)		55	80	97	162	290	390	745	935	1000	1305		
BW(Kg)		51	71	92.8	157.5	227	335	697	885	915	1200		

\* Worm Gear or Electric actuator operated.

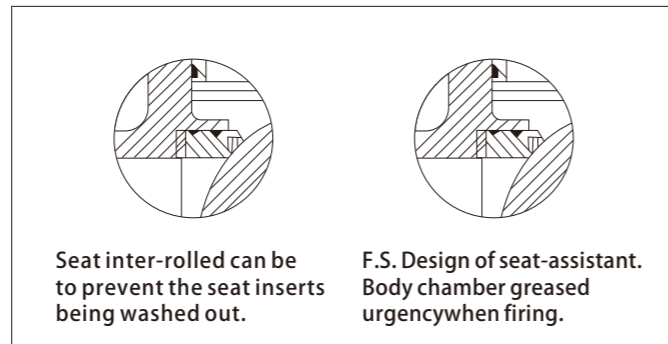
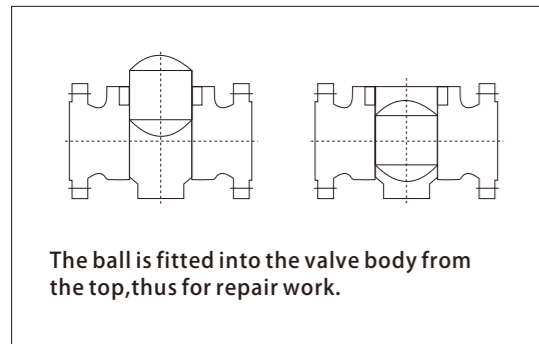


# Top Entry Trunnion Mounted Ball Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



Design manufacture according to API6D, ASME B16.34  
 Inspection and test to API 598  
 Flang to ASME B16.5.  
 DIN2543-2550, JB/T79.4  
 Material to NACE MRO175  
 Fire safe as per API 607, API 6FA



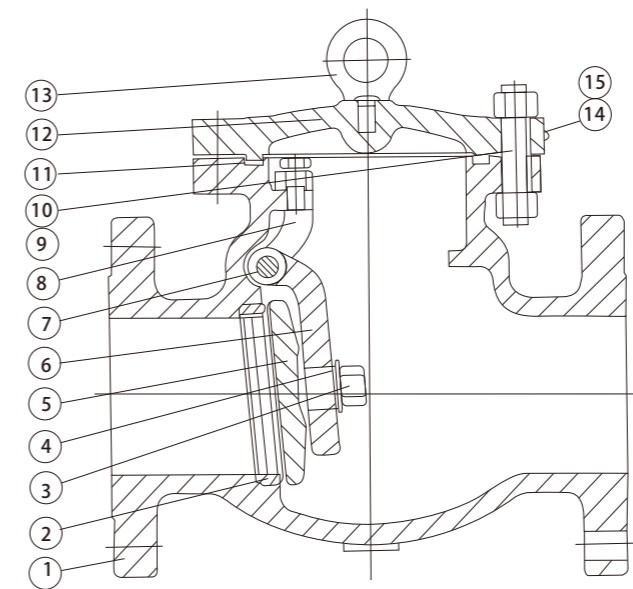
### Dimensions and Weights(mm and inches)

CLASS 150						
Size	G	L	H1	H2	W	Weight
in	in	in	in	in	in	kg
2	51	292	170	76	285	46
3	76	356	21	95	285	83
4	102	432	250	115	400	156
6	152	559	265	140	*400	256
8	203	660	355	172	*400	453
10	254	787	385	203	*600	622
12	305	838	400	242	*600	747
14	337	889	450	267	*600	959
16	387	991	510	299	*600	1220
18	438	1092	565	318	*600	1640
20	489	1194	620	349	*600	2118
24	591	1397	680	407	*700	2950

CLASS 300						
Size	G	L	H1	H2	W	Weight
in	in	in	in	in	in	kg
2	51	292	170	83	285	49
3	76	356	21	105	285	87
4	102	432	250	127	400	164
6	152	559	265	159	*400	272
8	203	660	355	191	*500	479
10	254	787	385	223	*600	657
12	305	838	400	261	*600	783
14	337	889	450	292	*600	1007
16	387	991	510	324	*600	1281
18	438	1092	565	356	*700	1722
20	489	1194	620	388	*700	2194
24	591	1397	680	457	*760	3100

# Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



Bolted, Cover, Swing Type Disc,  
 Threaded or  
 Welded Seat Ring

### SATNDARDS COMPLIANCE:

Basic Design: BS 1868  
 Face to Face Dimension: ANSI B16.10  
 End to End Dimension: ANSI B16.10  
 Flanged Ends: 2"~24" to ANSI B16.5  
 > 24: to MSS SP-44  
 to ANSI B16.34 on request  
 B. W. Ends to ANSI B16.25  
 Manufacturing to NACE MR-01-75 on request

### Standard Material Specifications

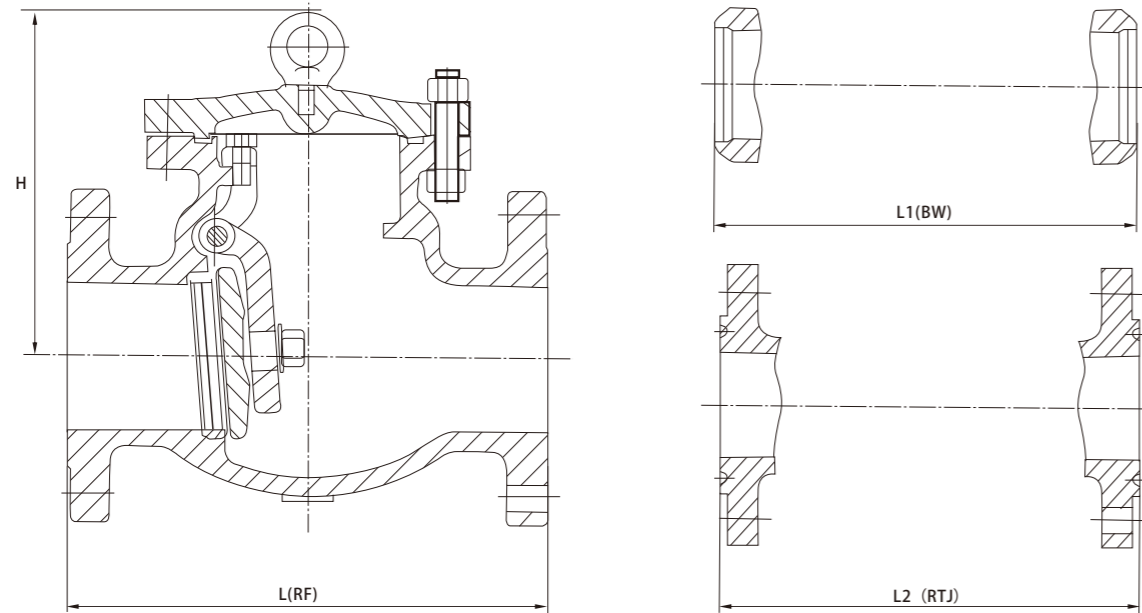
No	Part Name	Carbon steel to ASTM		Alloy steel to ASTM			Stainless Steel to ASTM			
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Seat Ring	A105	A350 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
3	Disc Nut	A182 F304					A182 F304	A182 F316	A182 F304L	A182 F316L
4	Disc Washer	A182 F304					A182 F304	A182 F316	A182 F304L	A182 F316L
5	Disc	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
6	Hinge	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8M	A351 CF8M	A351 CF3	A351 CF3M
7	Hinge Pin	A182 F304					A182 F304	A182 F316	A182 F304L	A182 F316L
8	Yoke	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
9	Bonnet nut	A194 2H	A194 4	A194 7			A194 8			
10	Bonnet bolt	A193 B7	A30 L7	A193 B16			A193 B8			
11	Gasket	SS Spiral Wound/graphite or SS Spiral Wound/PTFE								
12	Cover	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
13	Hook Screw	Steel								
14	Nameplate	Stainless steel or Aluminum								
15	Rivet	Stainless steel or Aluminum								

Other materials (Alloy 20, AISI 321, ASI 347, Monel, Hastelloy, etc) are available on request.



# Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### Test Pressure to API598

Class	Body Material	Shell Test (Hydrostatic)	Seat Test (Hydrostatic)	Seat Test (Air)
150	WCB	450psi	315psi	80psi
	WC6	450psi	319psi	
	CF8M	425psi	303psi	
300	WCB	1125psi	814psi	80psi
	WC6	1125psi	825psi	
	CF8M	1100psi	792psi	
600	WCB	2225psi	1628psi	80psi
	WC6	2250psi	1650psi	
	CF8M	2175psi	1548psi	
900	WCB	3350psi	2442psi	80psi
	WC6	3375psi	2475psi	
	CF8M	3250psi	2376psi	
1500	WCB	5575psi	4078psi	80psi
	WC6	5625psi	4125psi	
	CF8M	5400psi	3960psi	



# Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### Dimensions and Weights

Class 150																	
NPS	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	36
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	900
L-L1	in	8	8-1/2	9-1/2	11-1/2	13	14	19-1/2	24-1/2	27-1/2	31	34	38-1/2	38-1/2	51	60	77
	mm	203	216	241	292	330	356	495	622	698	787	864	978	978	1295	1524	1955
L2	in	8-1/2	9	10	12	13-1/2	14-1/2	20	25	28	31-1/2	34-1/2	39	39	51-1/2	60-1/2	77-1/2
	mm	216	229	254	305	343	368	508	635	711	800	876	991	991	1308	1537	1968
H	in	5-7/8	6-5/8	7-1/16	8-1/4	9-1/16	10-13/16	13-3/8	14	16-1/8	18-11/16	21-3/4	23-5/8	26	29-1/8	38-5/8	40-3/4
	mm	150	168	180	210	230	275	340	355	410	475	552	600	660	740	980	1035
WT (kg)	RF	17	21	29	42	69	74	108	177	282	372	570	665	900	1359	2120	3344
	BW	13	17	24	36	57	62	96	158	238	324	483	548	782	1150	1890	2940

Class 300																	
NPS	in	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	
L-L1	in	10-1/2	11-1/2	12-1/2	14	15-3/4	17-1/2	21	24-1/2	28	33	34	38-1/2	40	53	62-3/4	
	mm	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1594	
L2	in	11-1/8	12-1/8	13-1/8	14-5/8	16-3/8	18-1/8	21-5/8	25-1/8	28-5/8	33-5/8	34-5/8	39-1/8	40-3/4	53-7/8	63-3/4	
	mm	283	308	333	371	416	460	549	638	727	854	879	994	1036	1368	1619	
H	in	7-1/16	7-1/4	8-1/4	10-5/8	13-9/16	14-3/16	14-9/16	15-1/8	17-5/16	20-7/16	21-13/16	23-1/4	24-3/16	27-15/16	34-1/16	
	mm	180	185	210	270	345	360	370	385	440	520	554	590	614	614	866	
WT (kg)	RF	21	32	43	61	84	131	213	384	449	680	840	1025	1320	1960	3270	
	BW	16	24	35	44	61	105	167	272	375	560	710	828	1070	1586	2830	

Class 600																	
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24			
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600			
L-L1	in	11-1/2	13	14	17	22	26	31	33	35	39	43	47	55			
	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397			
L2	in	11-5/8	13-1/8	14-1/8	17-1/8	22-1/8	26-1/8	31-1/8	33-1/8	35-1/8	39-1/8	43-1/8	47-1/4	55-3/8			
	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407			
H	in	7-3/4	8-1/8	9-1/8	11-1/16	14-1/4	17-3/16	19-5/16	20-3/4	22-1/2	26	28-3/8	29-3/8	37-13/16			
	mm	197	207	231	281	362	437	490	528	572	660	720	746	960			
WT (kg)	RF	36	49	68	111	230	416	673	875	944	1220	1620	2120	3100			
	BW	28	40	57	83	191	361	543	770	820	1015	1350	1750	2520			

\*Manual gear operator is recommended



# Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

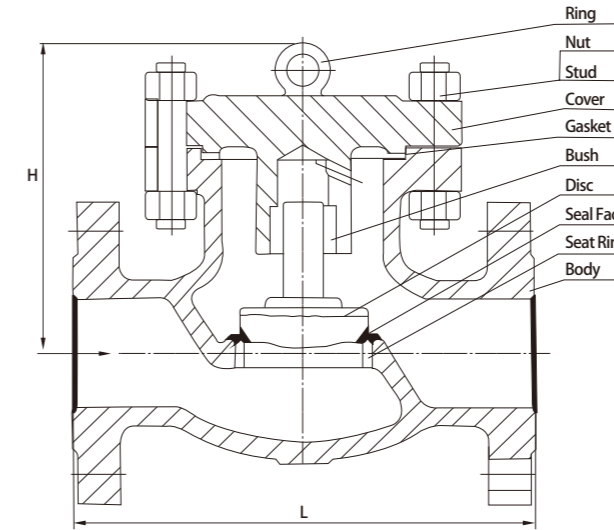
## Dimensions and Weights

Class 900											
NPS	in	2	2-1/2	3	4	6	8	10	12	14	16
DN	mm	50	65	80	100	150	200	250	300	350	400
L-L1 (RF-BW)	in	14-1/2	16-1/2	15	18	24	29	33	38	40-1/2	44-1/2
	mm	368	419	381	457	610	737	838	965	1029	1130
L2 (RTJ)	in	14-5/8	16-5/8	15-1/8	18-1/8	24-1/8	29-1/8	33-1/8	38-1/8	40-7/8	44-7/8
	mm	371	422	384	460	613	740	841	968	1038	1140
H	in	9-7/16	10-1/4	10-1/4	12-5/8	15	20-7/8	22-1/16	23-1/4	24-13/16	27-9/16
	mm	240	260	260	320	382	530	560	590	630	700
WT (kg)	RF	69	93	91	145	259	565	900	1200	1500	2130
	BW	52	74	70	112	218	448	733	975	1240	1760

Class 1500									
NPS	in	2	2-1/2	3	4	6	8	10	12
DN	mm	50	65	80	100	150	200	250	300
L-L1 (RF-BW)	in	14-1/2	16-1/2	18-1/2	21-1/2	27-3/4	32-3/4	39	44-1/2
	mm	368	419	470	546	705	832	991	1130
L2 (RTJ)	in	14-5/8	16-5/8	18-5/8	21-5/8	28	33-1/8	39-3/8	45-1/8
	mm	371	422	473	549	700	841	1000	1146
H	in	12-1/4	12-1/4	13	14	15-3/4	20-7/8	22-1/16	25-5/8
	mm	310	310	330	355	400	530	560	650
WT (kg)	RF	69	93	140	232	490	990	1490	1970
	BW	49	74	111	185	375	803	1250	1625

# Class 150/300 Lift Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



## STRUCTURE TYPE

Bolted Cover, Lift Type Disc, Threaded Seat Ring.

## STANDARDS:

- Basic design: ASME B16.34 and BS 1868
- Face to Face Dimensions: ASME B16.10
- End Flange Dimensions: ASME/ANSI B16.5a
- Shell Wall Thickness: ASME B16.34
- Test: API 598
- Pressure-Temperature Rating: ASME B16.34

## Standard Material Specifications

Part Name	WCB series	304 series	316 series	Cr-Mo(V)series	low temperature series	resist sulphur series	Monel inside series
Body Cover	A216-WCB	A351-CF8 -CF3	A351-CF8 -CF3M	A217-WC6 WC9 -C5	A352-LCB -LCC	A351-CF8M	A216 WCB
Disc	A105 A182-F6a	A182-F304 -F304L	A182-F316 -F316L	A182-F11 F22 F6a	A182-F6a	A182-F316	Monel k400
Seat Ring	A105 A182-F6a	A182-F304 -304L	A182-F316 -316L	A182-F6a F22	A182-F6a	A182-F316	Monel k400
Seal Face	13%Cr 13%Cr STL/13%Cr stainless steel valve local body/STL STL/STL						Monel k400
Gasket	304 or 316 stainless steel twisted flexible graphite						Monel+Twisted flexible graphite
Stud	A193-B7	A193-B8	A193-B8	A193 B16	A320-L7	A193-B7	A193-B7
Nut	A194-2H	A194-8	A194-8	A194-7	A194-4	A197-2H	A194-2H
Ring	A105	A182-F6a	A182-F6a	A182-F6a	A182-F6a	A182-F6a	A105

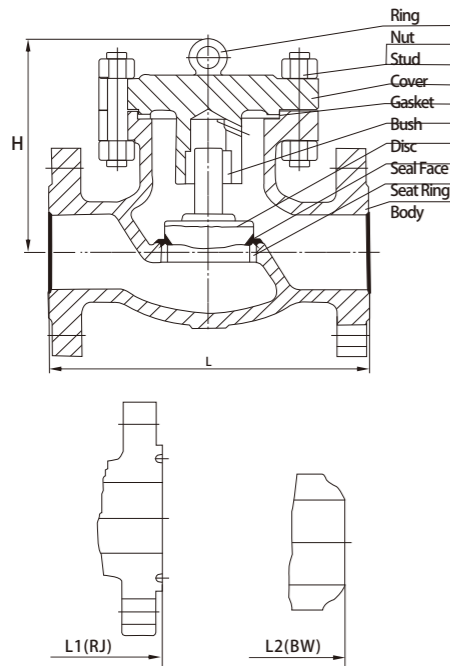
NOTE: Other materials can be selected according to the customer's requirement.

## Dimensions and Weights

NPS DN	in mm	2	2-1/2	3	4	5	6	8	10	12	
		50	65	80	100	125	150	200	250	300	
L (RF)	Class 150	in mm	8 203	8-1/2 216	9-1/2 241	11-1/2 292	14 356	16 406	19-1/2 495	24-1/2 622	27-1/2 698
	Class 300	in mm	10-1/2 267	11-1/2 292	12-1/2 318	14-3/8 356	15-3/4 400	17-1/2 445	22 559	24-1/2 622	28 711
H	Class 150	in mm	7-1/16 179	7-5/8 194	8-7/16 214	9-3/8 238	10-1/4 260	11-7/16 291	13-1/2 343	15-5/16 389	17-1/4 438
	Class 300	in mm	7-13/16 198	8-5/8 219	9-5/8 244	10-13/16 275	11-3/4 298	12-7/8 327	15 381	17 432	19-1/2 495
WT	Class 150		17	25	29	48	68	85	138	210	350
	Class 300		28	33	42	67	98	135	203	296	448

## Class 600 Lift Check Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### STRUCTURE TYPE

Bolted Cover, Lift Type Disc, Threaded Seat Ring

### STANDARDS:

Basic design: ASME B16.34 and BS 1868

Face to Face Dimensions: ASME B16.10

End Flange Dimensions: ASME/ANSI B 16.5a

Shell Wall Thickness: ASME B16.34

Test: API 598

Pressure-Temperature Rating: ASME B16.34

### Standard Material Specifications

Part Name	WCB series	304 series	316 series	Cr-Mo(V) series	low temperature series	resist sulphur series	Monel inside series
Body Cover	A216-WCB	A351-CF8 -CF3	A351-CF8M -CF3M	A217-WC6 -WC9 -C5	A352-LCB -LCC	A351-CF8M	A216-WCb
Disc	A105 A182-F6a	A182-F304	A182-F316 -F316L	A182-F11 F22 F6a	A182-F6a	A182-F316	Monel K400
Seat Ring	A182-F6a	-F304L A182-F304	A182-F316 -F316L	A182-F6a F22	A182-F6a	A182-F316	Monel K400
Seal Face	13% Cr 13%Cr STL/13%Cr stainless steel valve local body/STL STL/STL						Monel K400
Gasket	304 or 316 stainless steel twisted flexible graphite						Monel+Twisted Flexible graphite
Stud	A193-B7	A193-B8	A193-B8	A193 B16	A320-L7	A193-B7	A193-B7
Nut	A194-2H	A194-8		A197-7	A194-4	A197-2H	A194-2H
Ring	A105	A182-F6a	A182-F6a	A182-F6a	A182-F6a	A182-F6a	A105

NOTE: Other materials can be selected according to the customer's requirement.

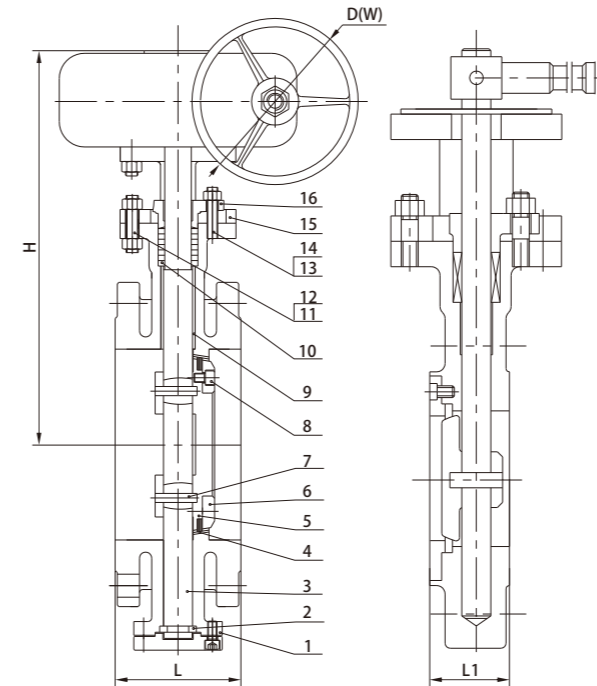
### Dimensions and Weights

NPS	in	2	2-12	3	4	5	6	8	10	12
DN	mm	50	65	80	100	125	150	220	250	300
L	in	11-1/2	13	14	17	20	22	26	31	33
(RF)	mm	292	330	356	432	508	559	660	787	838
L1	in	11-5/8	13-1/8	14-1/8	17-1/8	20-1/8	22-1/8	26-1/8	31-1/8	33-1/8
(RJ)	mm	295	333	359	435	511	562	664	791	841
L2	in	11-1/2	13	14	17	20	22	26	31	33
(BW)	mm	292	330	356	432	508	559	660	787	838
H	in	8-7/16	9-1/4	10-5/16	11-13/16	13	14-1/2	16-9/16	19	20-7/8
	mm	214	235	262	300	330	368	421	483	530
WT	in	32	45	58	102	147	195	308	455	630
Kg	mm	27	38	47	79	104	148	211	305	470



## Class 125-300 Butterfly Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### STANDARDS

Flange Butterfly Valves: MSS SP-67

Wafer Butterfly Valves: MSS SP-68 OR API 609

Face to face dimensions: ANSI B16.10 MSS SP-67 and MSS SP-68 or 609

Test: API598

### End flange dimensions

NPS 1 1/2-24: ANSI B16.5

NPS 30-72: MSS SP-44 or ANSI B16.47

### Type of construction

Flange Butterfly Valves(Hard face and soft face)

Wafer Butterfly Valves(Hard face and soft face)

### Type of connection

R F and RTJ flange ends to ANSI B16.5 or API 605 and MSS SP-44 standard.

### Type of operation

Lever

Worm Gear actuator, Electric actuator, Pneumatic actuator.

Actuator dimensions to ISO 5211 standard.

### Material List

No	Part Name	Carbon Steel		Alloy Steel			Stainless Steel			
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Below Axle Bush	PTFE or Stainless Steel And Graphite Spiral Wound								
3	Stem	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
4	Seat Ring	F6	F6	STL	STL6	STL6	F304	F316	F304L	F316L
5	Butterfly Plate	A216 WCB	A352 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
6	Lock Ring	A105	A182 F6	A182 F22	A182 F22	A182 F22	A182 F304	A182 F316	A182 F304L	A182 F316L
7	Pin	Carbon Steel or Alloy Steel								
8	Screw	Carbon Steel or Alloy Steel								
9	Top Axle Bush	PTFE or Stainless Steel And Graphite Spiral Wound								
10	Packing	Graphite + 304								
11	Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8	A193 B8	A193 B8
12	Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
13	Bolt	A193 B7	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8	A193 B8	A193 B8
14	Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8	A194 Gr.8	A194 Gr.8
15	Yoke	A216 WCB	A352 WCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
16	Gland	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L

The material is according to ASTM standard



# Class 125-300 Butterfly Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

## Dimensions and Weights

CLASS 125													
DN	mm	400	450	500	600	750	900	1050	1200	1350	1500	1650	1800
NPS	in	16	18	20	24	30	36	42	48	54	60	66	72
L	mm	203.2	230.2	203.2	203.2	304.8	304.8	304.8	381.0	381.0	381.0	457.2	457.2
	in	8	8	8	8	12	12	12	15	15	15	18	18
L1	mm	79.3	101.6	127	154	165.1	200.2	251	276.4				
	in	3.12	4	5	6.06	6.5	7.88	9.88	10.88				
H	mm	481	521	568	698	903	1031	1122	1180	1425	1545	1624	1750
	in	19	20.5	22.4	27.5	35.6	40.6	44.2	46.5	56.1	60.8	64	69
Do(W)	mm	300	400	450	500	*350	*350	*350	*350	*350	*350	*350	*350
	in	11.8	15.8	17.7	19.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Weight (Kg)	RF	230	274	375	595	1030	1985	2100	3420	3670	3880	4100	4250
	BW	200	248	334	510	880	1580	1680	2736				

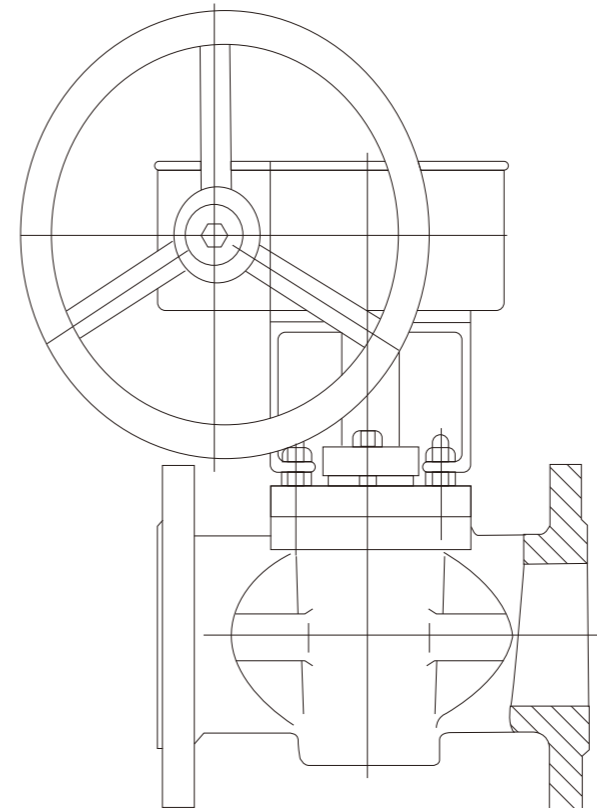
CLASS 150													
DN	mm	40	50	65	80	100	125	150	200	250	300	350	400
NPS	in	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16
L	mm				127	127	127	127	152	203.2	203.2	203.2	203.2
	in				5	5	5	5	6	8	8	8	8
L1	mm	38.1	46	50.8	48	54	63.5	57	63.5	71.5	81.0	92.0	101.5
	in	1.5	1.81	2	1.88	2.13	2.5	2.25	2.50	2.81	3.19	3.62	4.00
H	mm	185	190	220	229	239	252	284	307	337	392	435	481
	in	7.28	7.48	8.7	9	9.4	9.9	11.2	12	13.3	15.4	17.1	19
Do(W)	mm	160	160	160	160	160	160	160	200	200	250	250	300
	in	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.9	7.9	9.8	9.8	11.8
Weight (Kg)	RF				12.5	13.5	17	38	72	105	148	182	230
	BW	8	9	10	10	11	14.5	34.2	66	98	134	168	200

CLASS 150													
DN	mm	450	500	600	750	900	1050	1200	1350	1500	1650	1800	
NPS	in	18	20	24	30	36	42	48	54	60	66	72	
L	mm	203.2	203.2	203.2	304.8	304.8	304.8	381.0	381.0	381.0	457.2	457.2	
	in	8	8	8	12	12	12	15	15	15	18	18	
L1	mm	114.5	127	154	165.1	200.2	251	276.4					
	in	4.50	5.00	6.06	6.50	7.88	9.88	10.88					
H	mm	521	568	698	903	1031	1122	1180	1425	1545	1624	1750	
	in	20.5	22.4	27.5	35.6	40.6	44.2	46.5	56	60.8	64	69	
Do(W)	mm	400	450	500	*350	*350	*350	*350	*350	*350	*350	*350	
	in	15.8	17.7	19.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	
Weight (Kg)	RF	274	375	595	1030	1985	2100	3420	3875	3980	4210	4335	
	BW	248	334	510	880	1580	1680	2736					

CLASS 300													
DN	mm	40	50	65	80	100	125	150	200	250	300	350	400
NPS	in	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16
L	mm				127	127	127	127	152.4	203.2	203.2	203.2	203.2
	in				5	5	5	5	6	8	8	8	8
L1	mm	38.1	46	50.8	48	54	57.2	59	73	82.5	92	117.5	133.5
	in	1.5	1.81	2.0	1.88	2.12	2.25	2.31	2.88	3.25	3.62	4.62	5.25
H	mm	185	190	220	229	248	258	301	318	365	415	458	510
	in	7.28	7.48	8.7	9	9.8	10.2	11.9	12.5	14.4	16.3	18	20
Do(W)	mm	160	160	160	160	160	160	200	200	250	300	400	450
	in	6.3	6.3	6.3	6.3	6.3	6.3	7.9	7.9	9.8	11.8	15.8	17.7
Weight (Kg)	RF				12.5	15.7	19.8	42	97	167	182	268	287
	BW	9	10.5	11.5	12.5	13.2	17.6	39.8	88	143	157	222	253

# Self-Lubricated Plug Valve Class 150-600

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



## STANDARDS

Design and manufacture: API 6D ANSI B16.34

Face to face dimensions: ANSI B16.10

End flange dimensions: ANSI B16.5

Test: API 6D or API 598

## Type of connection

R F and RTJ flange ends to ANSI B16.5 standard.

BW flange ends to ANSI B16.25 standard

## Type of operation

Lever

Connection dimensions of worm Gear actuator,

Electric actuator,

Pneumatic actuator to ISO 5211 standard

Anti-static Electricity constructions "AS" and

Fire-safe constructions "FD"

## Material List

No	Part Name	Carbon Steel		Stainless Steel			
		WCB	LCB	CF8	CF8M	CF3	CF3M
1	Body	A216WCB	A352LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Bonnet	A216WCB	A352LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
3	Plug	A105/Ep.Cr	A182 F304	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	Stem	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
5	Seat Ring	PTFE					
6	Gasket	PTFE or Stainless Steel and Graphite					
7	Stem seat	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
8	Small spring	17-17PH(inconel for NACE)Ni-Cr Alloy					
9	Small ball	A182 F304 A182 F316					
10	Gland	A 182 F6	A 182 F6	A 182 F304	A 182 F316	A 182 F304L	A 182 F316L
11	Gland flange	A216WCB	A352LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
12	Stem packing	PTFE or Graphite					
13	Bonnet Bolt	A193 B7 A320L7 A320 B8 A193B8M					
14	Bonnet Nut	A194 2H A194 4 A194 8					

The material is according to ASTM standard

# Self-Lubricated Plug Valve Class 150-600

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### Dimensions and Weights

CLASS 150													
DN	mm	15	20	25	40	50	65	80	100	150	200	250	300
NPS	in	1/2	3/4	1	1	2	2 1/2	3	4	6	8	10	12
L(RF)	mm	108	117	127	165	178	191	203	229	394	457	533	610
	in	4.25	4.6	5	6.5	7	7.5	8	9	15.5	18	21	24
L1(BW)	mm	140	152	165	190	216	241	283	305	457	521	559	635
	in	5.5	6	6.5	7.48	8.5	9.5	11.13	12	18	20.5	22	25
L2(RTJ)	mm	119	129.7	139.7	178	191	203	216	241	406	470	546	622
	in	4.69	5.11	5.5	6.9	7.5	8	8.5	9.5	16	18.5	21.5	24.5
H	mm	59	63	75	92	153	165	195	213	272	342	495	580
	in	2.3	2.5	2.95	3.74	6.02	6.5	7.68	8.39	10.7	13.5	19.5	22.85
Do(W)	mm	130	130	160	230	400	400	600	850	1100	1500	*350	*350
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8
RF(Kg)		2.3	3	4.5	7	15	20	25	40	97	160	240	390
BW(Kg)		2.0	2.5	3.8	5.8	12	17	21	36	92.8	154	227	365

CLASS 300											
DN	mm	15	20	25	40	50	65	80	100	150	200
NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8
L(RF)	mm	140	152	165	190	216	241	283	305	403	502
	in	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	15.88	19.75
L1(BW)	mm	140	152	165	190	216	241	283	305	457	521
	in	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	18	20.5
L2(RTJ)	mm	151	164.7	177.7	202.7	232	257	298	321	419	518
	in	5.95	6.48	7	8	9.13	10.13	11.75	12.63	16.5	20.39
H	mm	59	63	75	107	153	165	195	213	272	342
	in	2.3	2.5	2.95	4.2	6.02	6.5	7.68	8.39	10.7	13.5
Do(W)	mm	130	130	160	230	400	400	600	850	1100	1500
	in	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59
RF(Kg)		2.5	3.5	5.5	10.5	20	25	31	52	118	200
BW(Kg)		2.1	3	4.8	8.7	17	22	28	48	105	185

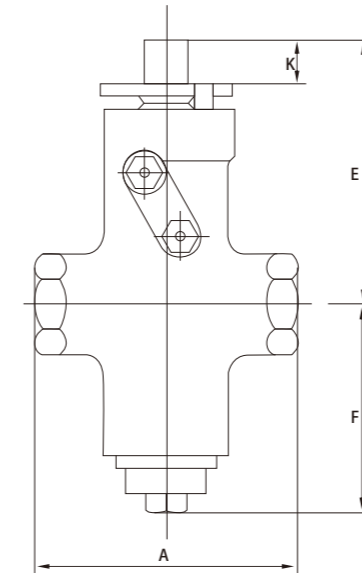
CLASS 600								
DN	mm	15	20	25	40	50	65	80
NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3
L(RF)	mm	165	190	216	241	292	330	356
	in	6.5	7.48	8.5	9.5	11.5	13	14
L1(BW)	mm	165	190	216	241	292	330	356
	in	6.5	7.48	8.5	9.5	11.5	13	14
L2(RTJ)	mm	163.4	190	216	241	295	333	359
	in	6.43	7.48	8.5	9.5	11.63	13.13	14.13
H	mm	59	63	75	107	153	165	195
	in	2.3	2.5	2.95	4.2	6.02	6.5	7.68
Do(W)	mm	130	160	160	230	600	850	1250
	in	5.1	6.3	6.3	9	23.62	33.46	49.25
RF(Kg)		7.5	10.5	14.5	18.5	38	56	66
BW(Kg)		6	8.7	11	14.7	31	49	58

\*Worm Gear or Electric Actuator Operated.

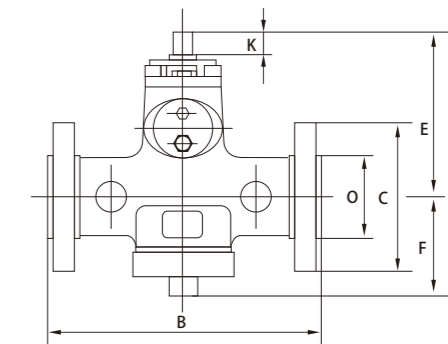


# Class 150-300 Pressure Balanced Plug Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



Valve designed to API 6D AND API 599  
 Valve tested to API 6D and API 598  
 Face to face to API 6D and ANSI B16.10  
 Flanged ends to ANSI B 16.5  
 Screwed ends to ANSI B1.20.1



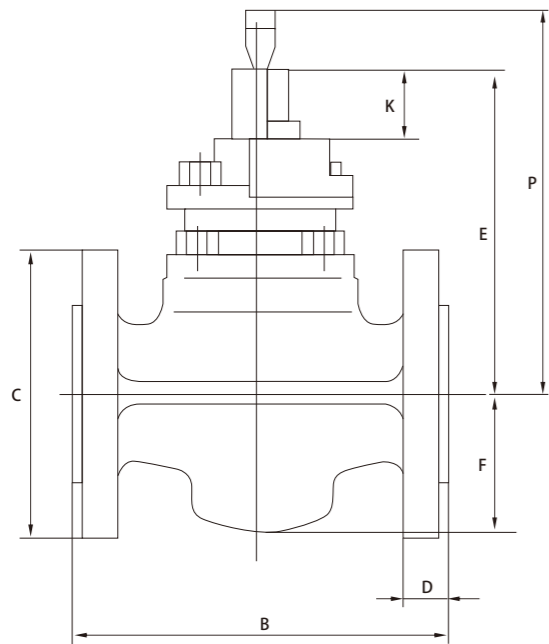
### Dimensions and Weights

Class	Size	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	
150	A	89	133	133	229	229								
	B					178	191	203	229	267	292	330	256	
	C					152	178	191	229	279	343	406	483	
	D					19	22.4	23.8	23.8	25.4	29	31	32	
	E	104	127	127	174	174		219	235	220	370	550	480	
	F	76	97	97	126	126		161	179	209	264	311	359	
	O	34.9	42.9	42.9	73	92	105	127	157	216	270	324	381	
	Weight(SW)	2.5	6.8	6.8	22	24.5								
	Weight(RF)					19		33	52	80	158	245	350	
	300	B				191	216	241	283	305	403	419	457	502
C					156	165	191	210	254	318	381	445	521	
D					20.6	22.2	25.4	28.3	31.8	36.5	41.3	47.6	50.8	
E					169	178		219	235	362				
F					106	118		143	165	187	248	300	392	
O					73.0	92.1	105	127	157	216	270	324	381	
Weight(RF)					16	21		38	60	101	192	281	508	
600	A	89	133	133	229	229								
	B	165	190	190	241	292		356	432	559	660	787	838	
	C	95.3	117	117	156	195		210	273	356	419	508	559	
	D	20.6	22.3	22.3	28.6	31.8		38.2	44.5	54.0	62.0	70.0	73	
	E	104	127	127	176	176		217	232					
	F	76	97	97	116	116		143	165	548	298	313	375	
	O	34.9	42.9	42.9	73	92	105	127	157	216	270	324	381	
	Weight(SW)	2.5	6.8	6.8	22	24.5		41	51	168	284	412	488	
	Weight(RF)	5.3	9.0	9.0	49	54		46	85	254	406	584	620	

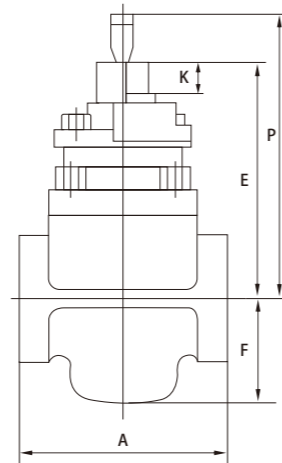


# Class 150-300 Lubricated(Metal Seal) Plug Valve

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



Valve designed to API 6D AND API 599  
 Valve tested to API 6D and API 598  
 Face to face to API 6D and ANSI B16.10  
 Flanged ends to ANSI B 16.5  
 Screwed ends to ANSI B1.20.1

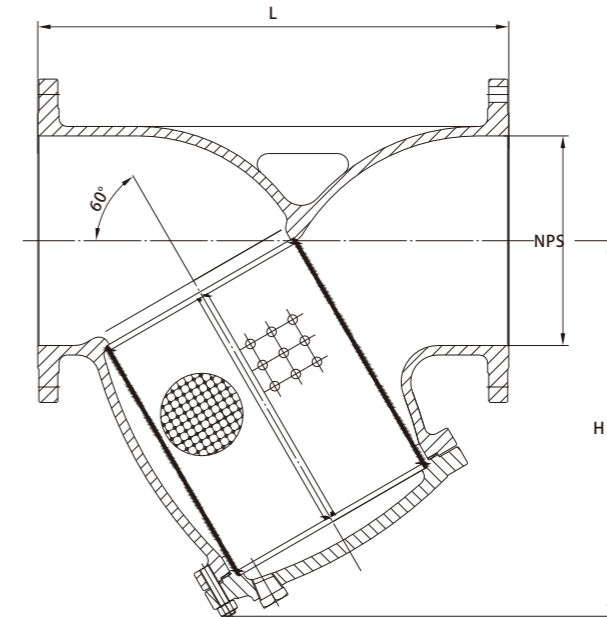


### Dimensions and Weights

Class	Size	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	
150	A	95	95	111	133	165	191	203						
	B	130	130	140	165	178	191	203	229	267	292	330	356	
	C	89	98.4	108	127	152	178	191	229	279	348	406	483	
	D	9.53	12.7	14.3	17.5	19	22.4	23.9	23.9	25.4	29	31	32	
	E	100	100	114	152	152	176	208	230	293	327	364		
	F	48	48	49	70	71	87	102	114	160	179	219	289	
	C	34.9	42.9	50.8	73	92	105	127	157	216	270	324	381	
	P	157	157	171	210	225	265	297	324	414	449	483		
	Weight(SW)	3.2	3.2	5.0	8.1	13	23	27						
	Weight(RF)	3.6	3.6	6.3	10	19	25	32	36	86	118	181		
300	A	95	95	111	133	165	191	203						
	B	140	140	159	191	216	241	283	305	403	419	457	502	
	C	95.3	117	124	156	165	191	210	254	318	381	445	521	
	D	14.3	15.9	17.5	20.6	22.2	25.4	28.6	31.8	36.5	41.3	47.6	50.8	
	E	100	100	114	144	176	207	229	245	283				
	F	37	37	49	65	81	102	114	140	159	194	194	260	
	O	34.9	42.9	50.8	73.0	92.1	105	127	157	216	270	324	381	
	P	157	157	171	210	265	297	325	343	403	506	510	546	
	Weight(SW)	3.2	3.2	4.5	8.2	13	23	27						
	Weight(RF)	3.6	3.6	6.3	14	18	27	38	75	111	213	240	346	

# API Y-Type Strainer

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.



### Dimensions and Weights

Class	NPS	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"
150Lb	L	203	216	241	292	406	495	622	698	787	914
	H	205	230	255	300	390	490	550	640	720	800
300Lb	L	267		318	356	444	559	622	711	838	914
	H	235		285	320	420	510	600	690	770	850
600Lb	L	292		356	432	559	660	787	838	889	991
	H	255		305	340	440	530	650	740	790	880

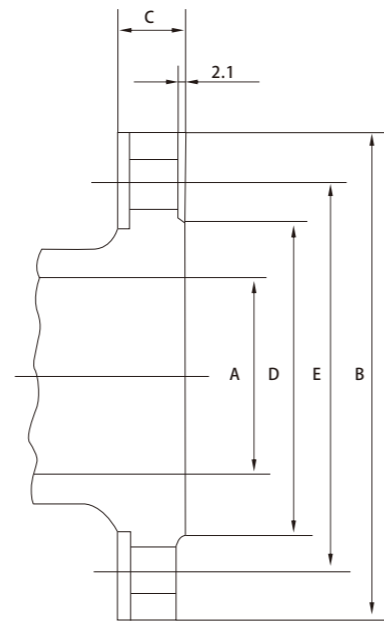
# End Flange Dimensions

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### Dimensions

Nominal size	Bore A	Outside Dia B	Thickness of Flange C	Raised face Dia D	Dia of bolt circle E	Number of bolt holes	Dia of bolt
Class 150.RF							
1-1/2"	38.1	127	17.5	73	98.4	4	1/2"
2"	50.8	152.4	19.1	92.1	120.7	4	5/8"
2-1/2"	63.5	177.8	22.2	104.8	139.7	4	5/8"
3"	76.2	190.5	23.8	127	152.4	4	5/8"
4"	101.6	228.6	23.8	157.2	190.5	8	5/8"
5"	127	254	23.8	185.7	215.9	8	3/4"
6"	152.4	279.4	25.4	215.9	241.6	8	3/4"
8"	203.2	342.9	28.6	269.9	298.5	8	3/4"
10"	254	406.4	30.2	323.9	362	12	7/8"
12"	304.8	482.6	31.8	381	431.8	12	7/8"
14"	336.6	533.4	34.9	412.8	476.3	12	1"
16"	387.4	596.9	36.5	469.9	539.8	16	1"
18"	438.2	635	39.7	533.4	577.9	16	1-1/8"
20"	489	698.5	42.9	584.2	635	20	1-1/8"
24"	590.6	812.8	47.7	692.2	749.3	20	1-1/4"
26"	635	869.9	68.3	749.3	806.4	24	1-3/8"
28"	685.8	927.1	71.1	800.1	863.6	28	1-3/8"
30"	736.6	984.2	74.7	857.2	914.4	28	1-3/8"
32"	781.1	1060.4	80.8	914.4	977.9	28	1-5/8"
34"	831.9	1111.2	82.5	965.2	1028.7	32	1-5/8"
36"	876.3	1168.4	90.4	1022.3	1085.8	32	1-5/8"
38"	927.1	1238.2	87.4	1073.1	1149.3	32	1-5/8"
40"	977.9	1289	90.4	1123.9	1200.1	36	1-5/8"
42"	1022.4	1346.2	96.8	1193.8	1257.3	36	1-5/8"
Class 300.RF							
1-1/2"	38.1	155.6	20.6	73	114.3	4	3/4"
2"	50.8	165.1	22.2	92.1	127	8	5/8"
2-1/2"	63.5	190.5	25.4	104.8	149.2	8	3/4"
3"	76.2	209.5	28.6	127	168.3	8	3/4"
4"	101.6	254	31.8	157.2	200	8	3/4"
5"	127	279.4	34.9	185.7	235	8	3/4"
6"	152.4	317.5	36.5	215.9	269.9	12	3/4"
8"	203.2	381	41.3	269.9	330.2	12	7/8"
10"	254	444.5	47.6	323.9	387.4	16	1"
12"	304.8	520.7	50.8	381	450.9	16	1-1/8"
14"	336.6	584.2	54	412.8	514.4	20	1-1/8"
16"	387.4	647.7	57.2	469.9	571.5	20	1-1/4"
18"	431.8	711.2	60.3	533.4	628.7	24	1-1/4"
20"	482.5	774.7	63.5	584.2	685.8	24	1-1/4"
22"	533.4	838.2	66.5	641.4	743	24	1-1/2"
24"	534.2	914.4	69.9	692.2	812.8	24	1-1/2"
26"	635	971.5	79.2	749.2	876.3	28	1-3/4"
28"	685.8	1035	85.5	800.1	939.8	28	1-3/4"
30"	736.6	1092.2	91.9	857.2	996.9	28	1-7/8"
32"	781.1	1149.3	98.5	914.4	1054.1	28	2"
34"	819.9	1206.5	101.6	965.2	1104.9	28	2"
36"	876.3	1270	104.6	1022.3	1168.4	32	2-1/8"
38"	927.1	1168.4	107.9	1028.7	1092.2	32	1-5/8"
40"	977.9	1238.2	114.3	1085.8	1155.7	32	1-3/4"
Class 600.RF							
1-1/2"	38.1	155.6	22.2	730	114.3	4	3/4"
2"	50.8	165.1	25.4	92.1	127.0	8	5/8"
2-1/2"	63.5	190.5	28.6	104.8	149.2	8	3/4"
3"	76.2	209.6	31.8	127.0	168.3	8	3/4"

Integral Steel Flanges for Valves  
1-1/2"~24":ANSI B16.5 1981  
BS 1560 1958  
>24"MSS SP-44 1991



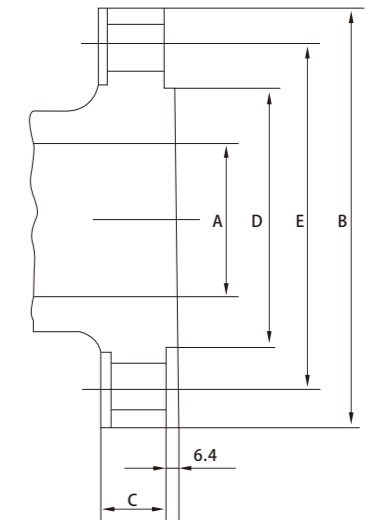
Class 150/300RF

# End Flange Dimensions

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve,  
Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

### Dimensions

Nominal size	Bore A	Outside Dia B	Thickness of Flange C	Raised face Dia D	Dia of bolt circle E	Number of bolt holes	Dia of bolt
Class 150.RF							
4"	101.6	273.1	38.1	157.2	215.9	8	7/8"
5"	127.0	330.2	44.5	185.7	266.7	8	1"
6"	152.4	355.6	47.6	215.9	292.1	12	1"
8"	200.0	419.1	55.6	269.9	349.3	12	1-1/8"
10"	247.7	508.0	63.5	323.9	431.8	16	1-1/4"
12"	298.5	558.8	66.7	371.0	489.0	20	1-1/4"
14"	327.0	603.3	69.9	412.8	527.1	20	1-3/8"
16"	374.7	685.8	76.2	469.9	603.3	20	1-1/2"
18"	719.1	743.1	82.6	533.5	654.1	20	1-5/8"
20"	463.6	812.8	88.9	584	723.9	24	1-5/8"
24"	558.8	939.8	101.6	692.2	838.2	24	1-7/8"
26"	635.0	1016.0	107.9	749.3	914.4	28	2"
28"	685.8	1073.1	111.2	800.1	965.2	28	2-1/8"
30"	736.6	1130.3	114.3	857.3	1022.3	28	2-1/8"
32"	784.4	1193.8	117.3	914.4	1079.5	28	2-3/8"
34"	831.9	1244.6	120.6	965.2	1130.3	28	2-3/8"
36"	876.3	1314.4	123.9	1022.4	1193.8	28	2-5/8"
Class 900.RF							
1-1/2"	341.8	177.8	31.8	73.0	123.8	4	1"
2"	47.5	215.9	38.1	92.1	165.1	8	7/8"
2-1/2"	57.2	244.5	41.2	104.8	190.5	8	1"
3"	72.9	241.3	38.1	127.0	190.5	8	7/8"
4"	98.3	292.1	44.5	157.2	235.5	8	1-1/8"
5"	120.7	349.3	50.8	185.7	279.4	8	1-1/4"
6"	146.1	381.0	55.6	215.9	317.5	12	1-1/8"
8"	190.5	469.9	63.5	269.9	393.7	12	1-3/8"
10"	138.0	546.1	69.9	323.9	469.9	16	1-3/8"
12"	282.4	609.6	79.4	381.0	533.4	20	1-3/4"
14"	311.2	641.4	85.7	412.8	558.8	20	1-1/2"
16"	355.6	704.9	88.9	469.9	616.0	20	1-5/8"
18"	400.1	787.4	101.6	533.4	685.8	20	1-7/8"
20"	444.5	857.3	108.0	584.2	749.3	20	2"
24"	533.4	1041.4	139.7	692.2	901.7	20	2-1/2"
Class 1500.RF							
1-1/2"	34.8	177.8	31.8	73.0	123.8	4	1"
2"	47.5	215.9	38.1	92.1	165.1	8	7/8"
2-1/2"	57.2	244.5	41.2	104.8	190.5	8	1"
3"	69.9	266.7	47.8	127.0	203.2	8	1-1/8"
4"	92.0	311.2	54.0	157.2	241.3	8	1-1/4"
5"	111.0	374.7	73.2	185.5	292.1	8	1-1/2"
6"	136.5	393.7	82.6	215.9	317.5	12	1-3/8"
8"	177.8	482.6	92.1	269.9	393.7	12	1-5/8"
10"	223.0	584.2	108.0	323.9	482.2	12	1-7/8"
12"	263.5	673.1	124.0	371.0	571.5	16	2"
14"	288.9	749.3	133.4	412.8	635.0	16	2-1/4"
16"	330.2	825.5	146.1	469.9	704.9	16	2-1/2"
18"	371.5	914.4	162.1	533.4	774.7	16	2-3/4"
20"	415.9	984.3	177.8	584.2	831.9	16	3"
24"	498.5	1168.4	203.2	692.2	990.6	16	3-1/2"
Class 2500.RF							
1-1/2"	28.6	203.2	44.5	73.0	146.1	4	1-1/8"
2"	37.1	235.0	50.8	92.1	171.5	8	1"
2-1/2"	47.6	266.7	57.2	104.8	196.9	8	1-1/8"
3"	57.2	304.8	66.5	127.0	228.6	8	1-1/4"
4"	73.0	355.6	76.2	157.2	273.1	8	1-1/2"
5"	92.1	419.1	92.0	185.5	323.9	8	1-3/4"
6"	111.1	482.6	108.0	215.9	368.3	8	2"
8"	146.1	552.5	127.0	269.9	438.2	12	2"
10"	184.2	673.1	165.1	323.9	539.8	12	2-1/2"
12"	219.1	762.0	184.2	381.0	619.3	12	2-3/4"



Class 600/900/2500RF

# Ring Joint Facings And Rings

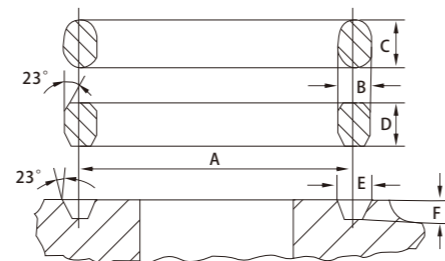
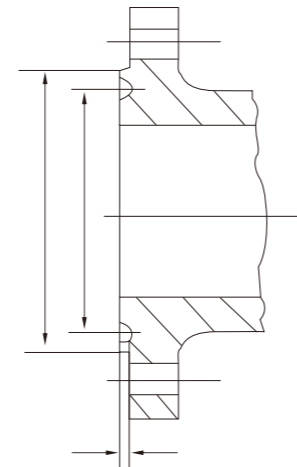
Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

## American National Standard-Dimensions, in Inches

Class	Size	Ring No.	A	B	C	D	E	F	H
Class 300	1-1/2	R20	2.688	0.312	0.562	0.500	0.344	0.250	3.56
	2	R23	3.250	0.438	0.688	0.625	0.469	0.312	4.25
	2-1/2	R26	4.000	0.438	0.688	0.625	0.469	0.312	5.00
	3	R31	4.875	0.438	0.688	0.625	0.469	0.312	5.75
	3-1/2	R34	5.188	0.438	0.688	0.625	0.469	0.312	6.25
	4	R37	5.875	0.438	0.688	0.625	0.469	0.312	6.88
	5	R41	7.125	0.438	0.688	0.625	0.469	0.312	8.25
	6	R45	8.312	0.438	0.688	0.625	0.469	0.312	9.5
	8	R49	10.625	0.438	0.688	0.625	0.469	0.312	11.88
	10	R53	12.750	0.438	0.688	0.625	0.469	0.312	14.00
Class 400	12	R57	15.000	0.438	0.688	0.625	0.469	0.312	16.25
	14	R61	16.500	0.438	0.688	0.625	0.469	0.312	18.00
	16	R65	18.500	0.438	0.688	0.625	0.469	0.312	20.00
	18	R69	21.000	0.438	0.688	0.625	0.469	0.312	22.62
	20	R73	23.000	0.500	0.750	0.688	0.531	0.375	25.00
	24	R77	27.250	0.625	0.875	0.812	0.656	0.438	29.50

Class	Size	Ring No.	A	B	C	D	E	F	H
Class 900	1-1/2	R20	2.688	0.312	0.562	0.500	0.344	0.250	3.62
	2	R24	3.750	0.438	0.688	0.625	0.469	0.312	4.88
	2-1/2	R27	4.250	0.438	0.688	0.625	0.469	0.312	5.39
	3	R31	4.875	0.438	0.688	0.625	0.469	0.312	6.12
	4	R37	5.875	0.438	0.688	0.625	0.469	0.312	7.12
	5	R41	7.125	0.438	0.688	0.625	0.469	0.312	8.50
	6	R45	8.312	0.438	0.688	0.625	0.469	0.312	9.50
	8	R49	10.625	0.438	0.688	0.625	0.469	0.312	12.12
	10	R53	12.750	0.438	0.688	0.625	0.469	0.312	14.25
	12	R57	15.000	0.438	0.688	0.625	0.469	0.312	16.50
Class 1500	14	R62	16.500	0.625	0.875	0.812	0.656	0.438	18.38
	16	R66	18.500	0.625	0.875	0.812	0.656	0.438	20.62
	18	R70	21.000	0.750	1.000	0.938	0.781	0.500	23.38
	20	R74	23.000	0.750	1.000	0.938	0.781	0.500	25.50
	24	R78	27.250	1.000	1.312	1.250	1.062	0.625	30.38
	1-1/2	R20	2.688	0.312	0.562	0.500	0.344	0.250	3.62
	2	R24	3.750	0.438	0.688	0.625	0.469	0.312	4.88
	2-1/2	R27	4.250	0.438	0.688	0.625	0.469	0.312	5.38
	3	R35	5.375	0.438	0.688	0.625	0.469	0.312	6.62
	4	R39	6.375	0.438	0.688	0.625	0.469	0.312	7.62

Class	Size	Ring No.	A	B	C	D	E	F	H
Class 1500	5	R44	7.625	0.438	0.688	0.625	0.469	0.312	9.00
	6	R46	8.312	0.500	0.750	0.688	0.531	0.375	9.75
	8	R50	10.625	0.625	0.875	0.812	0.656	0.438	12.50
	10	R54	12.750	0.625	0.875	0.812	0.656	0.438	14.62
	12	R58	15.000	0.875	1.125	1.062	0.906	0.562	17.25
	14	R63	16.500	1.000	1.312	1.250	1.062	0.625	19.25
	16	R67	18.500	1.125	1.438	1.375	1.188	0.688	21.50
	18	R71	21.000	1.125	1.438	1.375	1.188	0.688	24.12
	20	R75	23.000	1.250	1.562	1.500	1.312	0.688	26.50
	24	R79	27.250	1.375	1.750	1.625	1.438	0.812	31.25



Class 300/400/600/900/1500  
Oval rings fit grooves having either a flat or round bottom;  
Octagonal rings only fit grooves having a flat bottom.

# Butt-Welding Ends (ANSI B16.25)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

Nominal Pipe Size	Schedule Number or Wall	Outside Diameter A		Nominal Inside Diameter B		Machined Inside Diameter C		Nominal Wall Thickness	
		inch	mm	inch	mm	inch	mm	inch	mm
2-1/2	40	2.88	73.0	2.469	62.6	2.479	62.97	0.203	5.2
	80			2.323	59.0	2.351	59.72	0.276	7.0
	160			2.125	54.0	2.178	55.32	0.375	9.5
	XXS			1.771	45.0	1.868	47.45	0.552	14.0
3	40	3.50	88.9	3.068	77.9	3.081	78.26	0.216	5.5
	80			2.900	73.7	2.934	74.52	0.300	7.6
	160			2.624	66.7	2.692	68.38	0.438	11.1
	XXS			2.300	58.5	2.409	61.19	0.600	15.2
3-1/2	40	4.00	101.6	3.548	90.2	3.564	90.53	0.226	5.7
	80			3.364	85.4	3.402	86.41	0.318	8.1
4	40	4.50	114.3	4.026	102.3	4.044	102.72	0.237	6.0
	80			3.826	97.1	3.869	98.27	0.337	8.6
	120			3.624	92.1	3.692	93.78	0.438	11.1
	160			3.438	87.3	3.530	89.66	0.531	13.5
	XXS			3.152	80.1	3.279	83.29	0.674	17.1
5	40	5.56	141.3	5.047	128.1	5.070	128.78	0.258	6.6
	80			4.813	122.3	4.866	123.60	0.375	9.5
	120			4.563	115.9	4.647	118.03	0.500	12.7
	160			4.313	109.5	4.428	112.47	0.625	15.9
	XXS			4.063	103.3	4.209	106.91	0.750	19.0
6	40	6.62	168.3	6.065	154.1	6.094	154.79	0.280	7.1
	80			5.761	146.3	5.828	148.03	0.432	11.0
	120			5.501	139.7	5.600	142.24	0.562	14.3
	160			5.187	131.7	5.326	135.28	0.719	18.3
	XXS			4.897	124.5	5.072	128.83	0.864	21.9
8	40	8.62	219.1	7.981	202.7	8.020	203.71	0.322	8.2
	60			7.813	198.5	7.873	199.97	0.406	10.3
	80			7.625	193.7	7.709	195.81	0.500	12.7
	100			7.437	188.9	7.544	197.62	0.625	15.9
	120			7.187	182.5	7.326	186.08	0.719	18.3
	140			7.001	177.9	7.163	181.94	0.812	20.6
	160			6.875	174.7	7.053	179.15	0.875	22.2
	XXS			6.813	173.1	6.998	177.75	0.906	23.0
10	40	10.75	273	10.020	254.4	10.070	255.78	0.365	9.3
	60			9.750	247.6	9.834	249.78	0.500	12.7
	80			9.562	242.8	9.670	245.62	0.594	15.1
	100			9.312	236.4	9.451	240.06	0.719	18.3
	120			9.062	230.2	9.232	234.49	0.844	21.4
	140			8.750	222.2	8.959	227.56	1.000	25.4
	160			8.500	215.8	8.740	222.00	1.125	28.6
12	STD	12.75	323.8	12.	304.8	12.053	306.15	0.375	9.5
	40			00011.	303.2	11.999	304.77	0.406	10.3
	XS			93811.	298.4	11.834	300.58	0.500	12.7
	60			75011.	295.2	11.725	297.82	0.562	14.3
	80			62611.	288.8	11.505	292.23	0.688	17.5
	100			37411.	281.0	11.232	285.29	0.844	21.4
	120			062	273.0	10.959	278.36	1.000	25.4
	140			10.75	266.6	10.740	272.80	1.125	28.6
	160			10.	257.2	10.413	264.49	1.312	33.3

50010.

126





## Butt-Welding Ends (ANSI B16.25)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

Nominal Pipe Size	Schedule Number or Wall	Outside Diameter A		Nominal Inside Diameter B		Machined Inside Diameter C		Nominal Wall Thickness			
		inch	mm	inch	mm	inch	mm	inch	mm		
		14	STD	14.00	355.6	13.250	336.6	13.303	337.90	0.375	9.5
40	13.124	333.4	13.192			335.08	0.438	11.1			
XS	13.000	330.2	13.084			332.33	0.500	12.7			
60	12.812	325.4	12.920			328.17	0.594	15.1			
80	12.500	317.6	12.646			321.21	0.750	19.0			
100	12.124	308.0	12.318			321.88	0.938	23.8			
120	11.812	300.0	12.044			305.92	1.094	27.8			
140	11.500	292.0	11.771			298.98	1.250	31.8			
160	11.188	284.2	11.498			292.05	1.406	35.7			
16	STD	16.00	406.4			15.250	387.4	15.303	388.70	0.375	9.5
40	15.000			381.0	15.084	383.13	0.500	12.7			
60	14.688			373.0	14.811	376.20	0.656	16.7			
80	14.312			363.6	14.482	367.84	0.844	21.4			
100	13.938			354.0	14.155	359.54	1.031	26.2			
120	13.562			344.4	13.826	351.18	1.219	31.0			
140	13.124			333.4	12.442	341.43	1.438	36.5			
160	12.812			325.4	13.170	334.52	1.594	40.5			
18	STD			18.00	457.2	17.250	438.2	17.303	439.50	0.375	9.5
XS	17.000					431.8	17.084	433.93	0.500	12.7	
40	16.876	428.6	16.975			431.17	0.562	14.3			
60	15.500	419.2	16.646			422.81	0.750	19.0			
80	16.124	409.6	16.318			414.48	0.938	23.8			
100	15.688	398.4	15.936			404.77	1.156	29.4			
120	15.250	387.4	15.553			395.05	1.375	34.9			
140	14.876	377.8	15.225			386.72	1.562	39.7			
160	14.438	366.8	14.842			376.99	1.781	45.2			
20	STD	20.00	508.0			19.250	489.0	19.303	490.30	0.500	9.5
XS	19.000			482.6	19.084	484.73	0.594	12.7			
40	18.812			477.8	18.920	480.57	0.812	15.1			
60	18.376			466.8	18.538	470.87	1.031	20.6			
80	17.938			455.6	18.155	461.14	1.281	26.2			
100	17.438			443.0	17.717	450.01	1.500	32.5			
120	17.000			431.8	17.334	440.28	1.750	38.1			
140	16.500			419.2	16.896	429.16	1.969	44.4			
160	16.062			408.0	16.513	419.43	0.375	50.0			
22	STD			22.00	558.8	21.250	539.8	21.303	541.10	0.500	9.5
XS	21.000	533.4	21.084			535.53	0.875	12.7			
60	20.250	514.4	20.428			518.87	1.125	22.2			
80	19.750	501.6	19.990			507.75	1.375	28.6			
100	19.250	488.8	19.553			496.65	1.625	35.0			
120	18.750	476.2	19.115			485.52	1.875	41.3			
140	18.250	463.6	18.678			474.42	2.125	47.6			
160	17.750	450.8	18.240			463.30	0.375	54.0			
24	STD	24.00	609.6			23.250	590.6	23.303	591.90	0.500	9.5
XS	23.000					584.2	23.084	586.33	0.562	12.7	
30	22.876			571.0	22.975	583.57	0.688	14.3			
40	22.624			574.6	22.755	577.98	0.969	17.5			
60	22.062			560.4	22.263	565.48	1.219	24.6			
80	21.562			547.6	21.826	554.38	1.531	31.0			
100	20.938			531.8	21.280	540.51	1.812	38.9			
120	20.376			517.6	20.788	528.02	2.062	46.0			
140	19.876			504.8	20.350	516.89	2.344	52.4			
160	19.312			490.6	19.857	504.37		59.5			



## Butt-Welding Ends (ANSI B16.25)

Gate Valve, Globe Valve, Plug Valve, Check Valve, Butterfly Valve, Power Station Valve, Oilfield Dedicated Valve, Y-Strainer.

CLASS	SIZE		Dimensions(mm)						Weight(kg)	
	mm	in.	L(RF)	L(RTJ)	L(BW)	H	H1	W	R F	BW
	150LBS	50	2	178	191	216	400	-	200	19
65		2-1/2	190	203	241	435	-	220	25	21
80		3	203	216	283	500	-	250	35	31
100		4	229	241	305	590	-	280	48	43
125		5	254	267	381	725	-	300	63	58
150		6	267	279	403	775	-	300	80	75
200		8	292	305	419	965	1000	350	125	113
250		10	330	343	457	1185	1225	400	185	173
300		12	356	368	502	1380	1425	450	280	223
350		14	381	394	572	1550	1590	500	386	316
400		16	406	418	610	1740	1780	550	495	395
450		18	432	445	660	1960	2000	600	590	520
500		20	457	470	711	2175	2215	700	750	630
600		24	508	521	813	2565	2605	750	995	905
650		26	559	-	864	-	2800	-	1500	1380
700		28	610	-	914	-	3050	-	1910	1800
750		30	610	622	914	-	3130	-	2350	2070
800		32	711	-	965	-	3280	-	2500	2250
900		36	711	724	1016	-	3720	-	3450	3200
1000		40	813	-	1067	-	4200	-	4520	-
1050	42	813	-	1143	-	4400	-	4950	-	
1200	48	1067	-	1371	-	5000	-	6300	-	
1500	60									

CLASS	SIZE		Dimensions(mm)						Weight(kg)	
	mm	in.	L(RF)	L(RTJ)	L(BW)	H	H1	W	R F	BW
	300LBS	50	2	216	232	216	425	-	200	25
65		2-1/2	241	257	241	445	-	220	32	28
80		3	283	298	283	535	-	250	47	41
100		4	305	321	305	620	-	280	72	64
125		5	381	397	381	750	-	300	105	95
150		6	403	419	403	800	-	350	128	115
200		8	419	435	419	1005	1040	400	212	200
250		10	457	473	457	1235	1275	450	330	280
300		12	502	518	502	1440	1480	500	430	370
350		14	762	778	762	1620	1660	550	700	630
400		16	838	854	838	1805	1845	600	930	860
450		18	914	930	914	2080	2030	700	1135	935
500		20	991	1010	991	2200	2260	750	1350	1050
600		24	1143	1165	1143	2580	2640	900	2140	1650
650		26	1245	1270	1245	-	2850	-	2950	2450
700		28	1346	1372	1346	-	3100	-	3350	2850
750		30	1397	1422	1397	-	3200	-	3600	3100
800		32	1524	1553	1524	-	3350	-	4380	3800
900		36	1727	1756	1727	-	3800	-	6000	5300
1000		40	1955	-	1955	-	4300	-	7970	-
1050	42	2032	-	2032	-	4500	-	9510	-	
1200	48	2286	-	2286	-	5150	-	12600	-	

