

CAST IRON VALVE

Snowate

Hengshui Snowate Environmental
Technology Co., Ltd.

2025

EDITION FOR
SNOWATE CATALOG



HENGSHUI SNOWATE ENVIRONMENTAL TECHNOLOGY CO., LTD.

A TRUSTWORTHY SOURCING EXPERT ON WATER TREATMENT FACILITIES

As a senior sourcing expert on water treatment facilities and accessories, Hengshui Snowate Environmental Technology Co., Ltd. has extensive water treatment expertise, profound water treatment industry experience and a deep understanding of the water treatment industry purchasing demands. As a consequence, we are capable of providing one-stop purchase and technical support on water treatment facilities and accessories according to our customers' applications, thereby helping our customers to shorten the procurement cycle, reduce procurement costs and maximize economic benefits.

We integrate upstream supply chain products of the water treatment industry. In addition, we work with renowned suppliers and manufacturers. As a result, we can continuously supply high-quality water treatment components and systems for customers across the world to meet the needs of a Wide Range of Applications, Thereby Optimizing Water Resources and Promoting The Sustainable Development of The Global Environment.

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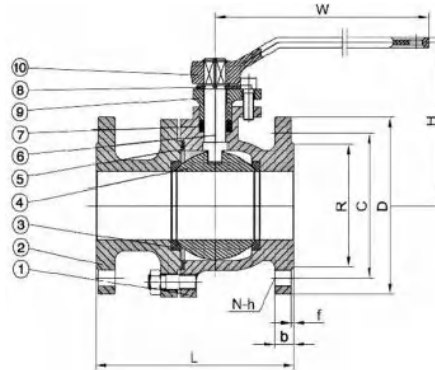
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Cast Iron 2-PC Ball Valve, PN16

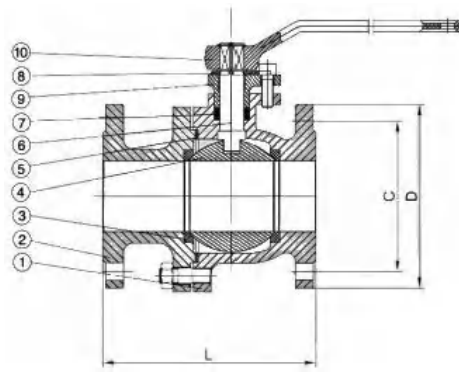


Application	
Design and Manufacture	DIN 3357
Face to Face	DIN 3202
Flange End Dimensions	DIN 2533
Nominal Pressure	1.6 MPa
Pressure Test	DIN 3230

Main Parts and Materials		
Number	Part Name	Material
1	Body	Grey Cast Iron (GG25 or GGG40)
2	Bonnet	Grey Cast Iron (GG25 or GGG40)
3	Ball	SS304
4	Seat	PTFE
5	Gasket	PTFE
6	Stem	SS304
7	Stem Packing	PTFE
8	Stop Collar	Carbon Steel
9	Gland Flange	Grey Cast Iron (GG25 or GGG40)
10	Lever	GGG40

Main Dimensions								
Nominal diameter	L	H	W	R	C	D	b	N-h
15	115	78	130	45	65	95	14	4-Ø14
20	120	113	160	58	75	105	16	4-Ø14
25	125	107	160	68	85	115	16	4-Ø14
32	130	113	160	78	105	140	18	4-Ø18
40	140	130	250	88	110	150	18	4-Ø18
50	150	146	250	102	125	165	20	4-Ø18
65	170	176	350	122	145	185	20	4-Ø18
80	180	222	350	138	160	200	22	8-Ø18
100	190	222	400	158	180	220	24	8-Ø18
125	325	257	750	188	210	250	26	8-Ø18
150	350	275	850	212	240	285	28	8-Ø23
200	400	400	1200	268	295	340	30	12-Ø23

Cast Iron 2-PC Ball Valve, 10 K



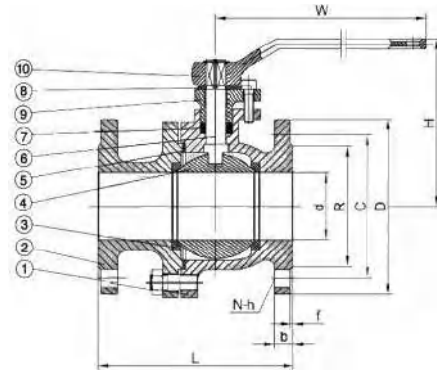
Application	
Design and Manufacture	JIS B2002
Face to Face	JIS B2002 Series 6
Flange End Dimensions	JIS B2212-1999

Test		
Nominal pressure		10 K
Test	Shell (Water)	2.4 MPa
Pressure	Seat (Air)	0.8 MPa

Main Parts and Materials		
Number	Part Name	Material
1	Body	Cast Iron (FC200 or FCD400)
2	Bonnet	Cast Iron (FC200 or FCD400)
3	Ball	Stainless steel (SUS304)
4	Seat	PTFE
5	Gasket	PTFE
6	Stem	Stainless steel (SUS304)
7	Stem Packing	PTFE
8	Stop Collar	Carbon Steel
9	Gland Flange	Cast Iron (FC200 or FCD400)
10	Lever	Cast Iron (FC200 or FCD400)

Main Dimensions						
Nominal diameter	10 k			16 k		
	L	C	D	L	C	D
15	108	70	95	108	70	95
20	117	75	100	117	75	100
25	127	90	125	127	90	125
32	140	100	135	140	100	135
40	165	105	140	165	105	140
50	178	120	155	178	120	155
65	190	140	185	190	140	185
80	203	150	210	203	160	200
100	229	175	250	229	185	225
150	394	240	280	394	260	305
200	457	290	330	457	305	350
250	553	355	400	553	380	430

Cast Iron 2-PC Ball Valve, 150 LB

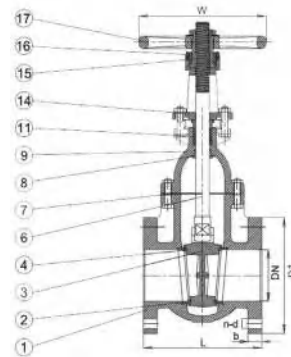


Application	
Design and Manufacture	ANSI B16.1
Face to Face	ANSI B16.10
Flange End Dimensions	BS4504
Working Pressure	150 PSI Steam Basic Rating
Pressure Test	API 598

Main Parts and Materials		
Number	Part Name	Material
1	Body	A126B / A536 65-45-12
2	Bonnet	A126B / A536 65-45-12
3	Ball	AISI 410 / AISI 304
4	Seat	PTFE / RPTFE
5	Gasket	PTFE
6	Stem	SS AISI 410
7	Stem Packing	PTFE
8	Stop Collar	Carbon Steel (ASTM A307)
9	Gland Flange	A126B / A536 65-45-12
10	Lever	A536 65-45-12

Main Dimensions							
Nominal diameter	L	D	C	R	N-h	W	H
15	108	89	60.5	35	4-15	115	72
20	117	98	70	43	4-15	115	76
25	127	108	79.5	51	4-15	150	92
40	165	127	98.5	73	4-16	200	123
50	178	152	120.5	92	4-19	200	132
65	190	178	139.5	105	4-19	320	164
80	203	190	152.4	127	4-19	320	173
100	229	229	190.5	157	8-19	450	210
150	394	279	241.5	216	8-22	850	288
200	457	343	298.5	270	8-22	1200	374
250	533	406	362	324	12-25	1420	366
300	610	483	432	381	12-25	1420	412

Cast Iron OS&y Gate Valve, 150 LB

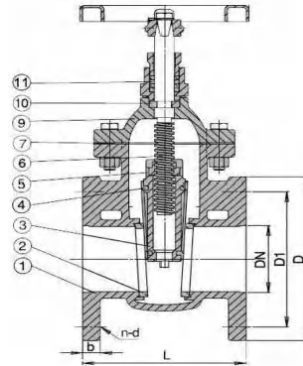


Application	
1	Design According to ANSI B16.1 Class 125 / Class 150
2	Flange End Face to ANSI B16.1 Class 125 / Class 150
3	For water, neutral liquids and oil, gas

Main Parts and Materials		
Number	Part Name	Material
1	Body	Grey Iron A126-B
2	Seat Ring	Brass
4	Wedge Ring	Brass
6	Stem	AISI 420
7	Bonnet Gasket	Graphite
9	Back Seat	Bronze
12	Packing	Graphite
14	Gland Follower	ASTM A536 65-45-12
15	Stem Nut	Brass
16	Retaining Nut	ASTM A126B

Main Dimensions							
DN	L	D1	D	b	n-d	W	H(open)
50	177.8	152	120.7	15.9	4 × Ø19	178	375
65	190.5	178	139.5	17.5	4 × Ø19	178	408
80	203.2	190	152.5	19.1	4 × Ø19	190	442
100	228.6	229	190.5	23.9	8 × Ø19	250	545
125	254.0	254	216	23.9	8 × Ø22	300	656
150	266.7	279	241.5	25.4	8 × Ø22	356	770
200	292.1	343	298.5	28.6	8 × Ø22	400	959
250	330.2	406	362	30.2	12 × Ø25	457	1255
300	355.6	483	432	31.8	12 × Ø25	508	1443

Cast Iron Non Rising Stem Gate Valve, 150 LB

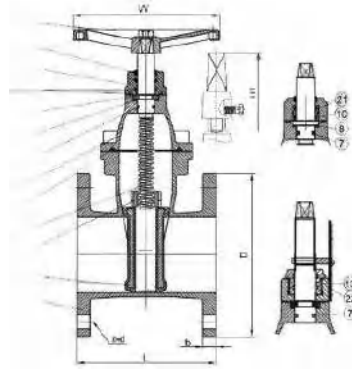


Application	
1	Design According to ANSI B16.1 Class 125 / Class 150
2	Flange End Face to ANSI B16.10 Class 125 / Class 150
3	For water, neutral liquids and oil, gas

Main Parts and Materials		
Number	Part Name	Material
1	Body	ASTM A126B
2	Seat Ring	Bronze B62 / Brass
3	Wedge	ASTM B62 / Brass
4	Wedge Ring	Bronze B62 / Brass
6	Stem	AISI 420
7	Bonnet Gasket	Graphite
9	Bonnet	ASTM A126B
11	Packing	Graphite
13	Stuffing Box	ASTM A126B
14	Gland Follower	ASTM A536 65-45-12

Main Dimensions						
Nominal diameter	L	D	D1	b	n-d	H(open)
50	177.8	152	120.65	15.9	4 × Ø19	287.27
65	190.5	178	139.7	17.5	4 × Ø19	304.8
80	203.2	190	152.5	19.1	4 × Ø19	336.55
100	228.6	229	190.5	23.9	8 × Ø19	414.27
125	254.0	254	215.9	23.9	8 × Ø22	457.2
150	266.7	279	241.3	25.4	8 × Ø22	525.53
200	292.1	343	298.45	28.6	8 × Ø22	612.65
250	330.2	406	361.95	30.2	12 × Ø25	-
300	355.6	483	431.8	31.8	12 × Ø25	-

Cast Iron NRS Soft Seal Gate Valve, 125 LB

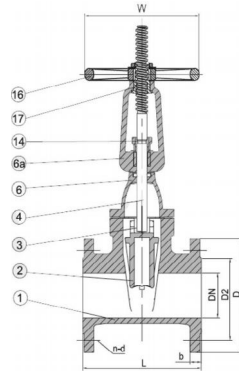


Application	
Design and Manufacture	ANSI B16.1
Face to Face	ANSI B16.10
Flange End Dimensions	BS4504
Working Pressure	125 LB / 150 LB

Main Parts and Materials		
Number	Part Name	Material
1	Body	ASTM A536 65-45-12
2	Wedge	DI+EPDM / NBR
3	Wedge Nut	ASTM B16 C36000
4	Stem	AISI 420
10	O-Ring	EPDM / NBR
13	Stuffing Nut	ASTM B16 C36000
14	Gland Flange	ASTM A536 65-45-12
15	Dust Guard	EPDM / NBR
21	Stuffing Bearing	ASTM B16 C36000
22	Position Indicator	Stainless Steel

Main Dimensions						
Nominal diameter	L	D	D1	b	n-d	H
50	178	152	120.5	16	4-19	278
65	190	178	139.5	18	4-19	302
80	203	190	152.5	19	4-19	339
100	229	229	190.5	24	8-19	377
125	254	254	216.0	24	8-22	430
150	267	279	241.5	25	8-22	497
200	292	343	298.5	28	8-22	600
250	330	406	362.0	30	12-25	711
300	356	483	432.0	32	12-25	796
350	381	533	476.0	35	12-29	882
400	406	597	540.0	37	16-29	970
450	432	635	578.0	40	16-32	1050
500	457	698	635.0	43	20-32	1180
600	508	813	750.0	48	20-35	1210

Cast Iron OS&Y Soft Seat Gate Valve, 125 LB

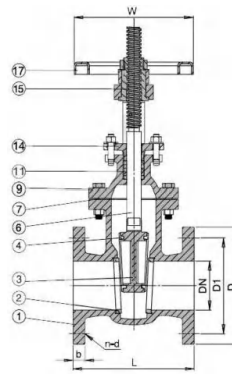


Application	
Design and Manufacture	ANSI B16.1
Face to Face	ANSI B16.10
Flange End Dimensions	BS 4504
Working Pressure	125 LB / 150 LB

Main Parts and Materials		
Number	Part Name	Material
1	Body	ASTM A536 65-45-12
2	Wedge	DI + EPDM
		DI + NBR
4	Stem	AISI 420
5	Bonnet Gasket	EPDM / NBR
6	Bonnet	ASTM A536 65-45-12
6a	Yoke	ASTM A536 65-45-12
14	Gland Flange	ASTM A536 65-45-12
17	Stem Nut	Brass

Main Dimensions					
Nominal diameter	L	D	D2	b	n-d
50	177.8	152	120.5	16	4-19
65	190.5	178	139.5	18	4-19
80	203.2	190	152.5	19	4-19
100	228.6	229	190.5	24	8-19
125	254.0	254	216	24	8-22
150	266.7	279	241.5	25	8-22
200	292.1	343	298.5	29	8-22
250	330.2	406	362	30	12-25
300	355.6	483	432	32	12-25

Cast Iron Rising Stem Gate Valve, 10 K



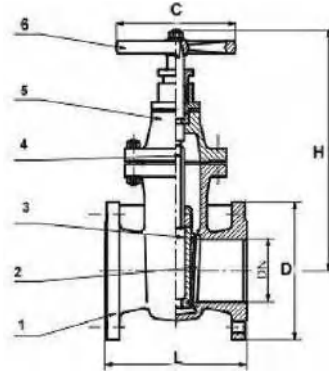
Application	
1	Design According to JIS-10K
2	Flange End Face to JIS B2212

Test	
Working pressure	10 K
Shell pressure	21.1 kg/cm ²
Seat pressure	15.0 kg/cm ²

Main Parts and Materials		
Number	Part Name	Material
1	Body	FC2
2	Seat Ring	Bronze B62
3	Wedge	FC20
4	Wedge Ring	Bronze B62
6	Stem	AISI 420
7	Bonnet Gasket	Graphite
9	Bonnet	FC20
11	Packing	Graphite
14	Gland Follower	FCD45
15	Stem Nut	Brass

Main Dimensions							
Nominal diameter	L	D	D1	b	n-d	DN	H(open)
50	180	155	120.7	15.9	4-Ø19	50	375
65	190	175	139.5	17.5	4-Ø19	65	408
80	200	185	152.5	19.1	4-Ø19	80	442
100	230	210	190.5	23.9	8-Ø19	100	545
125	250	250	216	23.9	8-Ø22	125	656
150	270	280	241.5	25.4	8-Ø22	150	770
200	290	330	298.5	28.6	8-Ø22	200	959
250	330	400	362	30.2	12-Ø25	250	1255
300	350	445	432	31.8	12-Ø25	300	1443

Cast Iron NRS Gate Valve, 10 K



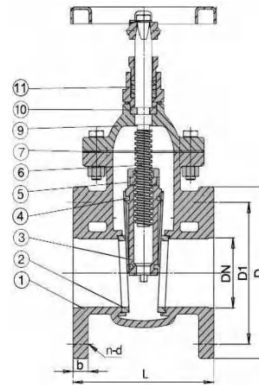
Application	
1	Face to face is according to JIS-10K
2	Flange drilled is according to JIS B2212

Test	
Working pressure	10 K
Shell pressure	21.1 kg/cm ²
Seat pressure	15.0 kg/cm ²

Main Parts and Materials		
Number	Part Name	Material
1	Body	Cast iron or Ductile iron
2	Seat ring	Brass / Bronze
3	Disc	Cast iron or Ductile iron
4	Stem	Cast iron or Ductile iron
5	Bonnet	Stainless steel
6	Hand wheel	Cast iron or Ductile iron

Main Dimensions									
DN	50	65	80	100	125	150	200	250	300
L	180	190	200	230	250	270	290	330	350
H	252	270	290	365	420	455	575	686	782
C	150	170	190	215	240	275	355	370	405
D	155	175	185	210	250	280	330	400	445

Cast Iron NRS Soft Seal Gate Valve, 10K



Application

1	Design According to JIS-10K
2	Flange End Face to JIS B2212

Pressure Standard

Working pressure	10 K
Shell testing pressure	21.1 kg/cm ²
Seat testing pressure	15.0 kg/cm ²

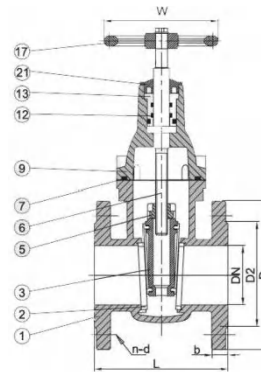
Main Parts and Materials

Number	Part Name	Material
1	Body	FC200
2	Seat Ring	Brass / 2Cr13
3	Wedge	FCD45 / WCB
4	Wedge Ring	Brass / 2Cr13
6	Stem	AISI 420
7	Bonnet Gasket	Graphite
9	Bonnet	FC200
11	Packing	Graphite
14	Gland Follower	FCD45
15	Stem Nut	FCD45

Main Dimensions

Nominal Diameter	L	D	D1	b	n-d	H
40	140	140	105	17	4-Ø19	322
50	146	155	120	18	4-Ø19	375
65	159	175	140	18	4-Ø19	408
80	165	185	152	20	4-Ø19	442
100	171	210	175	22	8-Ø19	545
125	190	250	210	25	8-Ø22	656
150	210	280	240	27	8-Ø22	770
200	241	330	298	29	8-Ø22	959
250	273	400	355	32	12-Ø25	1255
300	305	445	400	31	12-Ø25	1443

Cast Iron Non Rising Stem Gate Valve, PN10/16



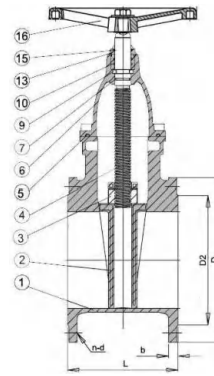
Application	
1	Face to face is according to DIN3202-F4
2	Flange drilled is according to DIN2532 / 2533 / 2501
3	Nominal pressure PN10 / PN16

Test		
Working pressure	PN10	PN16
Shell pressure	1.5 MPa	2.4 MPa
Seat pressure	1.1 MPa	1.76 MPa

Main Parts and Materials		
Number	Part Name	Material
1	Body	EN-GJL-250
2	Seat ring	Brass
3	Wedge	Cl+Brass
5	Wedge Nut	Brass
6	Stem	AISI 420
7	Bonnet Gasket	EPDM
9	Bonnet	EN-GJL-250
12	Stem Sealing	EPDM O Ring
13	Stuffing Nut	Brass
21	Dust Guard	EPDM / NBR

Main Dimensions									
Size	L	D	D1	D2	b	n-d	H	W	W.T
DN40	140	150	110	88	16	4-18	260	130	8.6
DN50	150	165	125	102	18	4-18	265	130	10.9
DN65	170	185	145	122	18	4-18	293	130	14.2
DN80	180	200	160	138	20	8-18	318	150	20.3
DN100	190	220	180	158	20	8-18	349	185	22.8
DN125	200	250	210	188	20	8-18	416	185	33.9
DN150	210	285	240	212	22	8-22	456	195	42.0
DN200	230	340	295	268	24	8-22	537	225	63.4
DN250	250	395	350	320	26	12-22	659	245	91.8
DN300	270	445	400	370	26	12-22	718	285	138.6

Cast Iron NRS Soft Seal Gate Valve, PN10/16

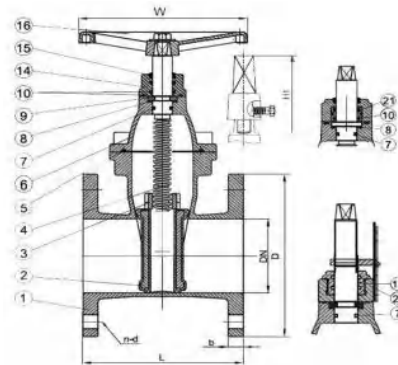


Application		
Face to face	PN10 DIN2532	PN16 DIN2533
Flange End Dimensions	According to DIN3202 F4, F5	
Working Pressure	PN10 / PN16	

Main Parts and Materials		
Number	Part Name	Material
1	Body	GGG50
2	Wedge	GGG50 + EPDM
		GGG50 + NBR
3	Wedge Nut	Brass
4	Stem	AISI 420
5	Bonnet Gasket	EPDM / NBR
6	Bonnet	GGG50
7	Back Sealing O Ring	EPDM / NBR
10	O Ring	EPDM / NBR
13	Stuffing Nut	Brass

Main Dimensions										
Nominal diameter	L (F4)	L (F5)	PN10				PN16			
			D	D2	b	n-d	D	D2	b	n-d
40	140	240	150	110	18	4-18	150	110	18	4-18
50	150	250	165	125	20	4-18	165	125	20	4-18
65	170	270	185	145	20	4-18	185	145	20	4-18
80	180	280	200	160	22	4-18	200	160	22	8-18
100	190	300	220	180	22	8-18	220	180	24	8-18
125	200	325	250	210	24	8-18	250	210	26	8-18
150	210	350	285	240	24	8-23	285	240	26	8-23
200	230	400	340	295	26	8-23	340	295	30	12-23
250	250	450	395	350	28	12-23	405	355	32	12-27
300	270	500	445	400	28	12-23	460	410	32	12-27
350	290	550	505	460	30	16-23	520	470	36	16-27
400	310	600	565	515	32	16-27	580	525	38	16-30

Cast Iron NRS Gate Valve, PN10/16



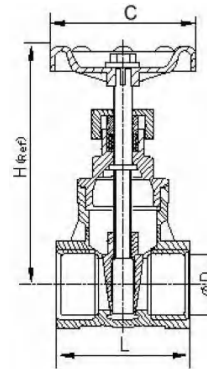
Application	
1	Face to face is according to BS5163:1986, BS5150
2	Flange drilled is according to BS table E or D / BS4504

Test		
Working pressure	PN10	PN16
Shell pressure	1.5 MPa	2.4 MPa
Seat pressure	1.1 MPa	1.76 MPa

Main Parts and Materials		
Item	Part Name	Material
1	Body	EN-GJS-500-7
2	Wedge	DI + EPDM / NBR
3	Wedge Nut	Brass
4	Stem	AISI 420
10	O Ring	EPDM / NBR
11	O Ring	EPDM / NBR
13	Stuffing Nut	Brass
14	Gland Flange	EN-GJS-500-7
22	Position Indicator	Stainless Steel
23	Down Bush	Brass

Main Dimensions							
Size	L	D	b	n-d	H	W	W.T
DN40	165	150	19	4-19	240	180	10.3
DN50	178	165	19	4-19	250	180	11.5
DN65	190	185	19	4-19	265	180	15
DN80	203	200	19	8-19	300	200	18.5
DN100	229	220	19	8-19	350	200	24
DN125	254	250	19	8-19	410	250	32
DN150	267	285	19	8-23	550	320	63
DN200	292	340	20	12-23	550	320	63
DN250	330	405	22	12-28	650	350	92
DN300	356	460	24.5	12-28	710	380	135

Cast Iron NPT Gate Valve, 125/150



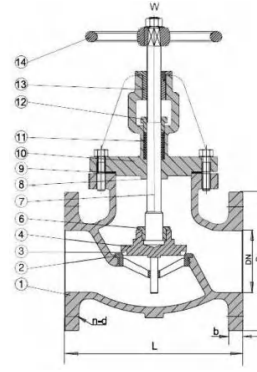
Application	
1	Design according to MSS-SP-70
2	Flange end face is according to 125 PSI / 150 PSI

Test		
Working pressure	125 PSI	150 PSI
Shell pressure	300 PSI	
Seat pressure	200 PSI	

Main Parts and Materials		
1	Body	Cast iron or ductile iron
2	Seat	Brass
3	Disc	Cast iron or ductile iron
4	Stem	Carbon steel or stainless steel
5	Bonnet	Cast iron or ductile iron
6	Hand wheel	Cast iron or ductile iron

Main Dimensions				
DN	H	C	L	D
50	280	178	178	90
65	310	178	190	110
80	340	203	203	123
100	380	254	229	146
125	450	254	254	170
150	480	305	267	195

Cast Iron Globe Valve, 150 LB

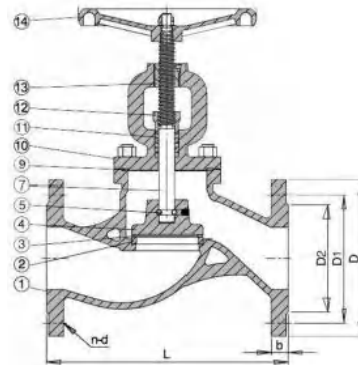


Application	
DESIGN	MSS SP-85
FACE TO FACE	ANSI B16.10
FLANGES	ANSI B16.1

Main Parts and Materials		
Number	Part Name	Material
1	Body	ASTM A126B
2	Seat Ring	ASTM B62 C83600
		Stainless Steel
3	Disc Ring	ASTM B62 C83600
		Stainless Steel
4	Disc	ASTM A126B/Carbon Steel
7	Stem	SS AISI 420
8	Back Seat	CI/ASTM B62
9	Bonnet Gasket	Graphite With Soft Steel
11	Packing	Graphite

Main Dimensions							
Nominal diameter	L	D	DN	b	n-d	H	W
50	203	152	120.7	15.9	4-Ø19	279	200
65	216	178	139.5	17.5	4-Ø19	298	200
80	240	190	152.5	19.1	4-Ø19	333	200
100	292	229	190.5	23.9	8-Ø19	391	240
125	330	254	216	23.9	8-Ø19	438	240
150	355	279	241.5	25.4	8-Ø19	491	280
200	495	343	298.5	28.6	8-Ø22	641	360
250	622	406	362	30.2	12-Ø25	775	400

Cast Iron Globe Valve, PN16



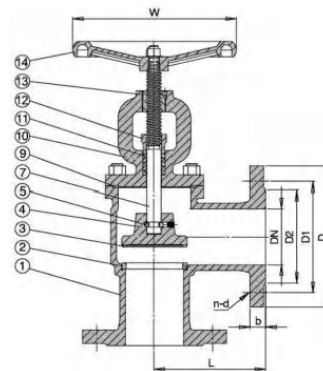
Application	
1	Design According to DIN3202-F32
2	Flange End DIN2532/2533
3	Nominal Pressure PN10 / PN16

Test	
Working pressure	PN16
Shell pressure	15 bars / 24 bars
Seat pressure	11 bars / 17.6 bars

Main Parts and Materials		
Number	Part Name	Material
1	Body	GG25
2	Seat Ring	Stainless Steel
		Brass
3	Disc Ring	Stainless Steel
		Brass
4	Disc	GG25 / Carbon Steel
7	Stem	SS AISI 420
9	Bonnet Gasket	Graphite With Soft Steel
10	Bonnet	GG25
11	Packing	Graphite

Main Dimensions						
Nominal diameter	L	D	D1	D2	n-d	H
50	230	165	125	102	4-Ø18	290
65	290	185	145	122	4-Ø18	320
80	310	200	160	138	8-Ø18	365
100	350	220	180	158	8-Ø18	410
125	400	250	210	188	8-Ø18	460
150	480	285	240	212	4-Ø22	525
200	600	340	295	268	12-Ø22	685
250	730	405	355	320	12-Ø27	830
300	850	460	410	378	12-Ø27	925

Cast Iron Angle Globe Valve, PN 16



Application

Design: DIN3356

Face to Face: DIN3202 F1

Flange: EN 1092-2 PN16

Seat Test Pressure: 17.6 bar

Shell Test Pressure: 24 bar

Features

Outside screw and yoke

Clockwise closing direction

Product color: Blue RAL 5017

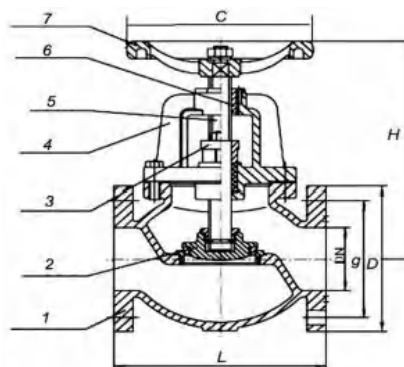
Main Parts and Materials

Item	Parts Name	Material
1	Body	GG25
2	Seat Ring	Stainless Steel
		Brass
3	Disc Ring	Stainless Steel
		Brass
4	Disc	GG25
7	Stem	SS AISI420
9	Bonnet Gasket	Graphite With Soft Steel
10	Bonnet	GG25
11	Packing	Graphite

Main Dimensions

DN	L	D	D1	D2	b	n-d	H	W
15	90	95	65	45	14	4-14	200	120
20	95	105	75	58	16	4-14	220	120
25	100	115	85	68	16	4-14	225	120
40	115	150	110	88	18	4-18	270	160
50	125	165	125	102	20	4-18	270	200
65	145	185	145	122	20	4-18	320	200
80	155	200	160	138	22	8-18	365	200
100	175	220	180	158	24	8-18	460	240
150	225	285	240	212	26	8-22	525	280
200	275	340	295	268	30	12-22	685	360
250	325	405	355	320	32	12-26	830	400
300	375	460	410	378	32	12-26	925	450

Cast Iron Globe Valve, 10 K



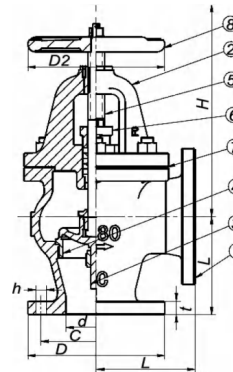
Application	
1	Face to face is according to JIS B2002
2	Flange drilled is according to JIS B2012

Test	
Working pressure	10 K
Shell pressure	2.1 kgf/cm ²
Seat pressure	15.0 kgf/cm ²

Main Parts and Materials		
Number	Part Name	Material
1	Body	Cast Iron (FC200)
2	Disc	Bronze/Cast Iron
3	Gland	Cast Iron
4	Bonnet	Cast Iron (FC200)
5	Stem	Stainless Steel / Cast Brass (Mn)
6	Yoke Nut	Carbon Steel
7	Hand Wheel	Cast Iron

Main Dimensions					
Nominal diameter	L	H	D	g	C
50	210	270	130	105	160
65	250	300	155	130	180
80	280	310	180	145	180
100	340	360	200	165	224
125	410	390	235	200	250
150	480	445	265	230	280
200	570	530	320	280	315

Cast Iron Angle Globe Valve 5K



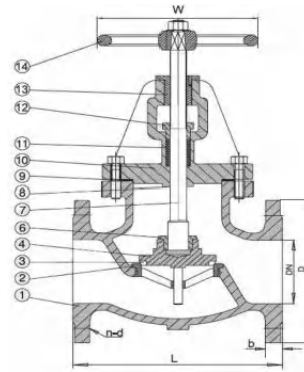
Application	
1	Face to face is according to JIS F7306
2	Flange drilled is according to JIS B2211
3	Nominal pressure 5 K

Test	
Working pressure	5 bars
Shell pressure	7.8 bars
Seat pressure	10.5 bars

Main Parts and Materials		
Number	Part Name	Material
1	Body	FC200
2	Bonnet	FC200
3	Disc	BC6 / SCS2
4	Seat	BC6 / SCS2
5	Stem	C377BD / SUS 304
6	Packing Gland	BC6
8	Handwheel	FC200

Main Dimensions								
DN	D	L	C	NO.	h	t	H	D2
50	155	120	120	8	19	20	255	160
65	175	130	140	8	19	22	270	200
80	200	150	160	8	23	24	295	224
100	225	170	185	8	22	26	330	250
125	270	200	225	8	25	26	390	315
150	305	225	260	12	25	28	435	355
200	350	250	305	12	25	30	540	450

Cast Iron Globe Valve, PN10/16



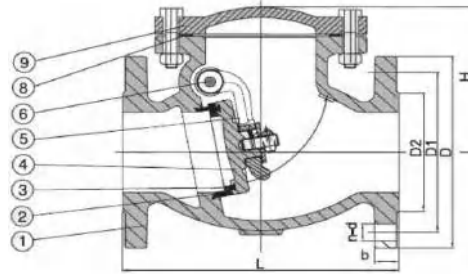
Application	
1	Face to face is according to BS5152
2	Flange drilled is according to BS4504
3	Nominal pressure PN10 / PN16

Test		
Working pressure	PN10	PN16
Shell pressure	1.5 MPa	2.4 MPa
Seat pressure	1.1 MPa	1.76 MPa

Main Parts and Materials		
Item	Part Name	Material
1	Body	EN-JL-250
2	Seat Ring	ASTM B62 C83600
		Stainless Steel
3	Disc Ring	ASTM B62 C83600
		Stainless Steel
4	Disc	EN-JL-250 / Carbon Steel
7	Stem	SS AISI 420
8	Back Seat	CI / ASTM B62
9	Bonnet Gasket	Graphite With Soft Steel
11	Packing	Graphite

Main Dimensions							
Size	L	D	D1	b	n-d	H	W
DN40	165	150	110	18	4-19	270	160
DN50	203	165	125	20	4-19	290	200
DN65	216	185	145	20	4-19	320	200
DN80	241	200	160	22	8-19	365	200
DN100	292	220	180	24	8-19	410	240
DN125	330	250	210	26	8-19	460	240
DN150	356	285	240	26	8-23	525	280
DN200	495	340	295	30	12-23	685	360
DN250	622	405	355	32	12-28	830	400
DN300	698	460	410	32	12-28	925	450

Cast Iron Swing Check Valve, PN10/16



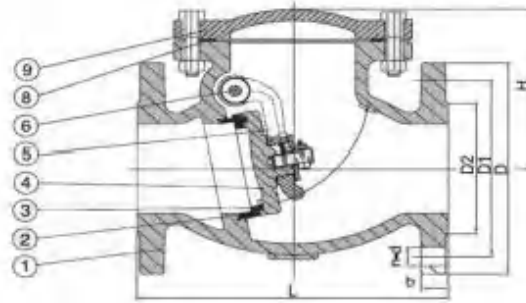
Application	
1	Face to face is according to BS5153 PN10 / PN16
2	Flange drilled is according to BS4504 table E or D

Test		
Working pressure	PN10	PN16
Shell pressure	1.5 MPa	2.4 MPa
Seat pressure	1.1 MPa	1.76 MPa

Main Parts and Materials		
Number	Part Name	Material
1	Body	EN-GJL-250
2	Seat ring	Bronze
		Brass
3	Disc Ring	Brass / Bronze
		EPDM / NBR
4	Disc	EN-GJL-250
5	Hanger	EJ-GJS-500-7
6	Hanger Pin	Stainless Steel
8	Cover Gasket	Graphite With Soft Steel
9	Cover	EN-GJL-250

Main Dimensions								
Size	L	D	D1	D2	b	n-d	H	W.T
DN40	165	150	110	88	18	4-19	110	10.5
DN50	203	165	125	102	20	4-19	130	12.5
DN65	216	185	145	122	20	4-19	140	17.3
DN80	241	200	160	138	22	8-19	150	24.5
DN100	292	220	180	158	24	8-19	160	37.5
DN125	330	250	210	188	26	8-19	190	41
DN150	356	285	240	212	26	8-23	210	46.2
DN200	495	340	295	268	30	12-23	250	120
DN250	622	405	355	320	32	12-28	310	198
DN300	699	460	410	378	32	12-28	340	282

Cast Iron Check Valve, Swing, PN10/16



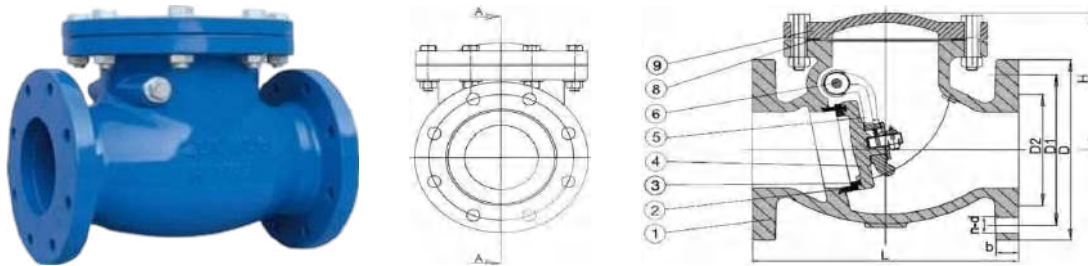
Application	
1	Working temp: 100 °C
2	Working Pressure: PN10 or PN16
3	Suitable Media: Steam, Oil ect.
4	Not recommended for Steam, Oil ect.
5	Caution: Freezing weather precaution-subsequent to testing a piping system, check valve should be left in an open position to allow complete drainage.

Specification	
Flange Dimensions: DIN2533	
Face to Face: DIN3202-F6 / EN558	
Testing Confirm to DIN3230	

Main Parts and Materials		
Number	Part Name	Material
1	Body	GG25
2	Seat Ring	Brass
		Bronze
3	Disc Ring	Brass / Bronze
		EPDM / NBR
4	Disc	GG25
5	Hanger	GGG25
6	Hanger Pin	Stainless Steel
8	Cover Gasket	Graphite with Soft Steel
9	Cover	GG25

Main Dimensions								
DN	D	D1	D2	L	H	b	n	d
50	165	125	102	200	150	17	4	18
65	185	145	122	240	160	17	4	18
80	200	160	138	260	170	19	8	18
100	220	180	158	300	180	21	8	18
125	250	210	188	350	215	23	8	18
150	285	240	212	400	260	23	8	23
200	340	295	268	500	294	27	12	23
250	405	355	320	600	370	29	12	27
300	460	410	378	700	412	29	12	27
350	520	470	438	800	445	32	16	27
400	580	525	490	900	505	34	16	30

Cast Iron Swing Check Valve, 150LB

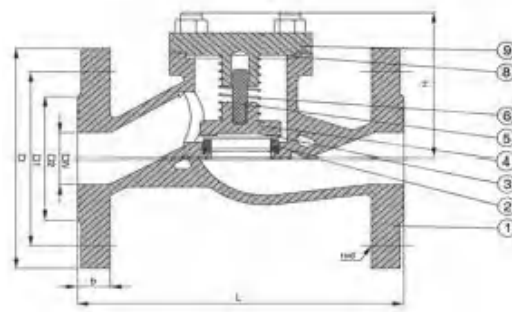


Application	
Design According to MSS-SP-71	
Pressure/Temperature Rating: ANSI B16.1	
Face to Face Dimensions: ANSI B16.10	
Flange End Dimensions: ANSI B16.1	
Wall Thickness: ANSI B16.1	
Valves Tested According to API 598	

Main Parts and Materials		
Number	Part Name	Material
1	Body	ASTM A126B
2	Seat Ring	Bronze
		Brass
3	Disc Ring	Brass / Bronze
		EPDM / NBR
4	Disc	ASTM A126B
5	Hanger	ASTM A536 65-45-12
6	Hanger Pin	Stainless Steel
8	Cover Gasket	Graphite With Soft Steel
9	Cover	ASTM A126B

Main Dimensions							
Nominal diameter	L	D	D1	b	n-d	H	W.T
40	165.1	127	98.6	14.2	4-16	110	10.5
50	203.2	152	120.7	15.8	4-19	130	12.5
65	215.9	178	139.7	17.5	4-19	140	17.3
80	241.3	191	152.4	19	4-19	150	24.5
100	292.1	229	190.5	23.9	8-19	160	37.5
125	330.2	254	215.9	23.9	8-22	190	41
150	355.6	279	241.3	25.4	8-22	250	120
200	495.3	343	298.5	28.5	8-22	250	120
250	622.3	406	362	30.2	12-25	310	198
300	698.5	483	431.8	31.8	12-25	340	282
350	787.4	533	476.3	35	12-29	450	350
400	914.4	597	539.8	36.6	16-29	520	430
450	914	635	577.9	39.6	16-32	550	638
500	1016	699	635	42.9	20-32	590	705

Cast Iron Check Valve, Lift, PN10/16



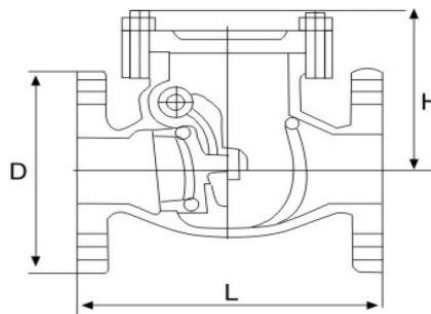
Application	
1	Face to face is according to DIN3202-F1
2	Flange drilled is according to DIN2532 / 2533

Test		
Working pressure	PN10	PN16
Shell pressure	15 bars	24 bars
Seat pressure	11 bars	17.6 bars

Main Parts and Materials		
Number	Part Name	Material
1	Body	GG25
2	Seat Ring	Stainless Steel
		Brass
3	Disc Ring	Stainless Steel
		Brass
4	Disc	GG25 / Carbon Steel
5	Stem	SS AISI 420
6	Spring	SS AISI 304
8	Cover Gasket	Graphite With Soft Steel
9	Cover	GG25

Nominal diameter		L	D	D1	D2	b	n-d	H
in	mm							
2"	50	230	165	125	102	20	4-18	102
2-1/2"	65	290	185	145	122	20	4-18	121
3"	80	310	200	160	138	22	8-18	149
4"	100	350	220	180	158	24	8-18	162
5"	125	400	250	210	188	26	8-18	183
6"	150	480	285	240	212	26	8-22	214
8"	200	600	340	295	268	30	12-22	274
10"	250	730	405	355	320	32	12-26	310
12"	300	850	460	410	378	32	12-26	357

Cast Iron Swing Check Valve, 10 K



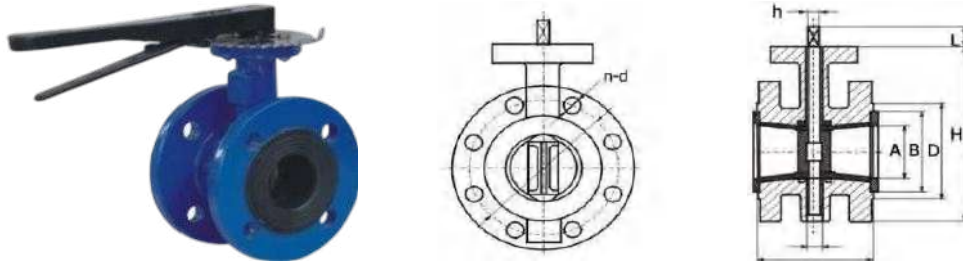
Application	
1	Face to face is according to JIS B2002
2	Flange drilled is according to JIS B2012

Test	
Working pressure	10K
Shell pressure	21.1 Kgf/cm ²
Seat pressure	15.0 Kgf/cm ²

Main Parts and Materials		
Number	Part Name	Material
1	Body	Cast Iron (FC200)
2	Bonnet	Cast Iron (FC200)
3	Disc	Cast Iron / Nbr (FC200)
4	Seating Ring	Stainless steel / Brass
5	Hinge Pin	Stainless Steel (SS304)
6	Packing	Not Asbestos
7	Plug	Carbon Steel (SS41)

Main Dimensions							
Nominal diameter	50	65	80	100	125	150	200
L	203	216	240	292	330	355	495
D	152	175	185	210	250	280	330
H	112	127	140	154	186	208	240

Cast Iron Butterfly Valve, Flange End



Application

Reasonable in design, compact in construction, easy to install and maintain.

The double eccentric structure friction of the sealing ring, providing the valve a long service life.

Bubble-tight sealing with no leakage under testing pressure.

Replacing materials of the disc sealing ring and disc, the valve can be used for various medium and temperature.

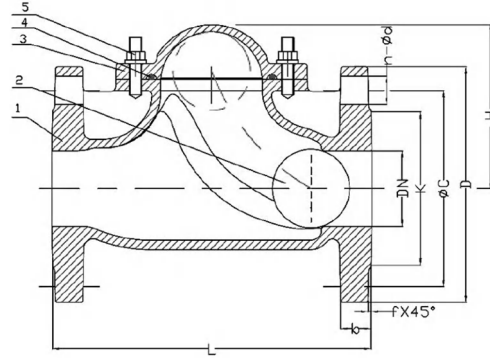
Main Parts And Materials

1	Name	Middle line flange butterfly valve
2	Design standard	API 609, BS 5155, MSS-67-1982
3	Face to face	API 598
4	Tubing flange	BS, DIN, ANSI, JIS, ASE, ASD, BS10D, BS10E, UNI
5	Inspection and test	API 598, ISO 5208-1982
6	Driving style	Lever, gear, actuator, pneumatic

Main Dimensions

DN	A	B	D	H	C	h	n-d	L
50	59	95	105	175	108	23	4-19	30
65	69.8	114	122	190	112	23	4-19	30
80	86.4	128	138	214	114	23	8-19	30
100	116	150	160	226	127	25	8-19	30
125	133	178	186	264	140	30	8-19	30
150	165	200	216	319	140	30	8-19	30
200	212	262	272	385	152	36	8-23	30
250	262	310	320	448.5	165	40	12-23	40
300	313	364	376	518	178	46	12-28	40
350	344	415	429	564	190	50	12-28	45
400	400	460	780	633	216	68	16-28	70
450	452	510	530	695	222	76	16-31	70
500	503.6	560	582	778	229	92	20-31	80
600	604	660	682	890	267	97	20-37	80
700	706	770	794	1050	292	100	24-37	80
800	806.6	871	901	1180	316	100	24-40	80
900	877	972	1001	1240.5	330	108	28-40	118
1000	977	1080	1112	1398	410	135	28-43	142

Cast Iron Ball Check Valve, PN16

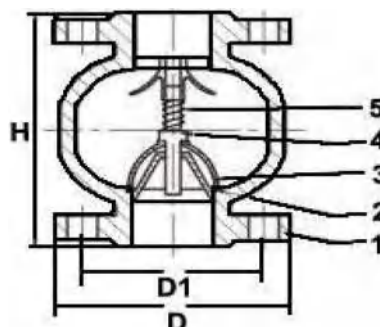


Application	
Design according to	EN558-1 Series 48; DIN3202 F6
Work Pressure	PN16
Face to Face	EN1092-2 PN10/16; ANSI B16.1 Class1125

Material Of Main Parts		
1	Body	Cast iron
2	Ball	NBR rubber-coated steel ball
3	Cover	Cast iron
4	"O" Ring	NBR
5	Connecting bolts	Stainless steel A2

Main Dimensions										
Size	L	DN	K	C	D	H	f	b	n	d
50	206	48	98	125	155	103.5	2	19.5	4	18
65	238	63	110	145	181	126	2	19	4	18
80	243	78	132.5	160	193	150	2	20	8	18
100	295	98	161	180	232	181	2	20.5	8	18
125	347	119.1	190.5	210	257	218.5	2.5	23.5	8	18
150	394.5	140.2	213	240	282	256.5	2.5	23.5	8	22
200	498	198	274.5	295	346	334	3	27	12	22

Silent Check Valve, PN10/16



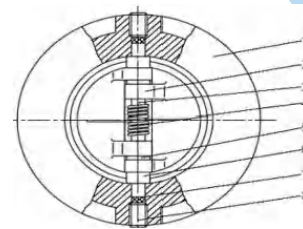
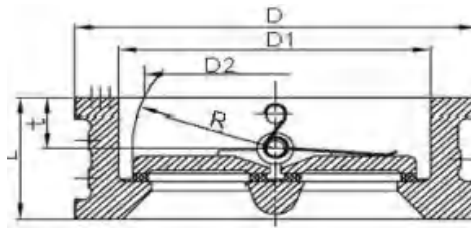
Application	
1	Face to face is according to ISO standard
2	Flange drilled is according to ANSI / BS / DIN / JIS etc.

Test		
Working Pressure	PN10 / PN16	125 PSI / 150 PSI
Shell Pressure	15 bars / 24 bars	200 PSI
Seat pressure	11 bars / 17.6 bars	300 PSI

Main Parts Material		
1	Body	Cast iron or ductile iron
2	Seat	NBR
3	Disc Seat Ring	Cast iron or ductile iron
4	Disc	Stainless steel
5	Spring	Stainless steel

Main Dimensions							
DN	H	D (PN10)	D (PN16)	D (PN25)	D1 (PN10)	D1 (PN16)	D1 (PN25)
50	120	165	165	165	125	125	125
65	120	185	185	185	145	145	145
80	140	200	200	200	160	160	160
100	170	220	220	235	180	180	190
125	200	250	250	270	210	210	220
150	220	285	285	300	240	240	250
200	288	340	340	360	295	295	310
250	344	395	405	425	350	350	370
300	385	445	460	485	400	410	430

Cast Iron Dual Plate Check Valve, PN10/16



Application

Valve is used for preventing the back-going of medium in pipelines and equipment, and the pressure of medium will bring the result of opening and closing automatically. When the medium is back-going, valve disc will automatically closed to avoid accidents.

Specification

1	Face to face according to DIN3202-K3.
2	Flange drilling according to ANSI125 / 150; DIN2501PN10 / PN16; AS2129 Table E; JIS10K ect.
3	Working Pressure: PN10; PN16

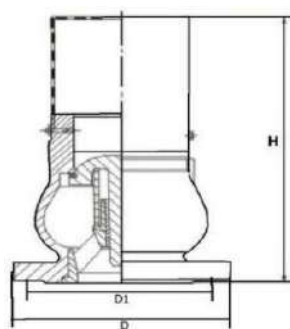
Main Parts and Materials

Number	Part Name	Material
1	Body	GG25
2	Disc	SS316
3	Stem	SS410
4	Spring	SS304
5	Washer	PTFE
6	Washer	PTFE
7	Gasket	NBR
8	Hex nut	A193A

Main Dimensions

DN	D	D1	D2	L	R	t
50	107	65	40	43	27	18.4
65	127	80	60	46	35	19.8
80	142	94	70	64	42	27.7
100	162	117	88	64	50	27.7
150	218	171	134	76	77	31.6
200	273	224	182	89	102.5	32.9
300	378	310	260	114	146	43.3
350	446	360	298	127	170	45.3
400	488	410	350	140	195	52.3
450	546	450	385	152	215	58.2
500	594	505	438	152	238	58.3
600	700	624.5	538	178	292	74.6
700	820	720	662	229	345	96
800	930	825	762	241	394	99

Cast Iron Foot Valve, PN10/16



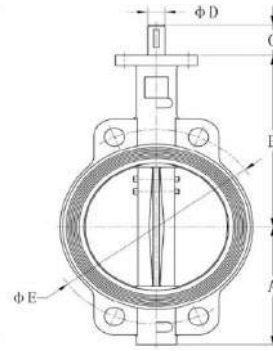
Application	
1	Face to face is according to ISO standard.
2	Flange drilled is according to ANSI / BS / DIN / JIS etc.

Test		
Working Pressure	PN10 / PN16	125 PSI / 150 PSI
Shell Pressure	15 bars / 24 bars	200 PSI
Seat pressure	11 bars / 17.6 bars	300 PSI

Main Parts and Materials		
1	Body	Cast iron or ductile iron
2	Disc	Cast iron or ductile iron
3	Disc Seat Ring	NBR
4	Spring	Stainless steel / steel with zinc
5	Screen	Stainless steel / steel zinc plated

Main Dimensions			
DN	H	D	D1
50	120	165	125
65	120	185	145
80	140	200	160
100	170	220	180
125	200	250	210
150	220	285	240
200	288	340	295
250	344	395	350
300	385	445	400

Cast Iron Wafer Butterfly Valve, 150 LB, PN16, PN10, 10K

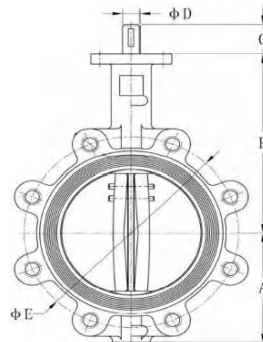


Application	
1	The design can be suitable for BS / ANSI / DIN / UNI / JIS standard.
2	For water, neutral liquids, oil and Air etc.
3	Coating epoxy painting, 150 μ m.

Main Parts and Materials		
Number	Part Name	Material
1	Disc	Ductile iron with nickel plated, Bronze, Stainless steel SS304 and SS316
2	Body	Cast iron or ductile iron
3	Stem	Stainless steel
4	Seat	NBR, EPDM, VITON, PTFE
5	O ring	NBR

Main Dimensions								
Size mm	A	B	C	D	E			
					150 LB	PN10	PN16	10 K
25	61	110	32	12.7	79.4	85	85	90
32	61	110	32	12.7	88.9	100	100	100
40	70	145	32	12.7	98.4	110	110	105
50	76	162	32	12.7	120.7	125	125	120
65	89	174	32	12.7	139.7	145	145	140
80	95	181	32	12.7	152.4	160	160	150
100	114	200	32	15.9	190.5	180	180	175
125	127	213	32	19.1	215.9	210	210	210
150	139	225	32	19.1	241.3	240	240	240
200	177	260	38	22.2	298.5	295	295	290
250	203	292	38	28.6	362.0	350	355	355
300	242	337	38	31.8	431.8	400	410	400
350	277	368	45	31.8	476.3	460	470	445

Cast Iron Butterfly Valve, Lug Type

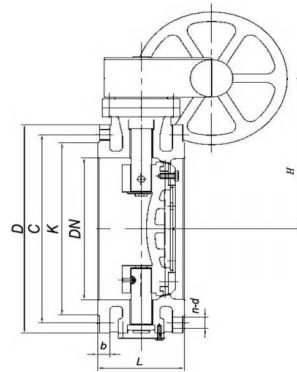


Application	
1	The design can be suitable for BS / ANSI / DIN / UNI / JIS standard.
2	For water, neutral liquids, oil and Air etc.
3	Coating epoxy painting, 150 μm.

Main Parts and Materials		
Number	Part Name	Material
1	Disc	Ductile iron with nickel plated, Bronze, Stainless steel SS304 and SS316
2	Body	Cast iron or ductile iron
3	Stem	Stainless steel
4	seat	NBR, EPDM, VITON, PTFE
5	O ring	NBR

Main Dimensions								
Size mm	A	B	C	D	E			
					125/150 LB	PN10	PN16	10 K
25	61	110	32	12.7	79.4	85	85	90
32	61	110	32	12.7	88.9	100	100	100
40	70	145	32	12.7	98.4	110	110	105
50	76	162	32	12.7	120.7	125	125	120
65	89	174	32	12.7	139.7	145	145	140
80	95	181	32	12.7	152.4	160	160	150
100	114	200	32	15.9	190.5	180	180	175
125	127	213	32	19.1	215.9	210	210	210
150	139	225	32	19.1	241.3	240	240	240
200	177	260	38	22.2	298.5	295	295	290
250	203	292	38	28.6	362.0	350	355	355
300	242	337	38	31.8	431.8	400	410	400
350	277	368	45	31.8	476.3	460	470	445

Flange Butterfly Valve, PN16

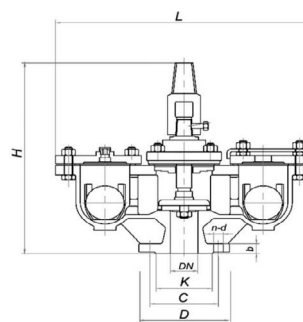


Application	
Available Standard	BS5155
Working Pressure	1.6
Body Test Pressure	2.4
Seat Test Pressure	1.76
Reseat Pressure	1.6–0.35

Main Parts And Materials	
Parts Name	Material
Body	Cast Iron
Seat Seating Face	Cast Iron
Disc	Ductile
Ring Fitted To Disc For Sealing	NBR
Shaft	Rubber
Shaft Bearings	DU

Main Dimensions							
DN	D	C	K	b	n-d	L	H
100	220	180	156	19	8-Ø19	127	170
150	285	240	200	19	8-Ø23	140	220
200	340	295	266	20	12-Ø23	152	270
250	405	355	319	22	12-Ø28	165	330
300	460	410	370	24.5	12-Ø28	178	360
350	520	470	429	26.5	16-Ø28	190	370
400	580	525	480	28	16-Ø31	216	380
450	640	585	548	30	20-Ø31	222	495
500	715	650	609	31.5	20-Ø34	229	535
600	840	770	720	36	20-Ø37	267	615
700	910	840	794	39.5	24-Ø37	292	662
800	1025	950	901	43	24-Ø40	318	710
900	1125	1050	1001	46.5	28-Ø40	330	832
1000	1255	1170	1112	50	28-Ø43	410	915
1100	1355	1270	1218	53.5	32-Ø43	470	1000
1200	1485	1390	1382	57	32-Ø49	470	1060

Double Orifice Air Valve

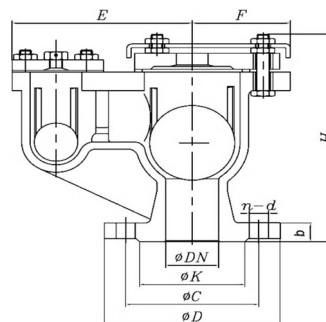


Application	
Available Standard	JKR / AWWA / BS / JIS / DIN
Working Pressure	1.6
Body Test Pressure	2.4
Seat Test Pressure	1.76
Reseat Pressure	1.6–0.35

Main Parts And Materials	
Parts Name	Material
Body	Cast Iron
Float Ball	NBR
Cover	Cast Iron
Stuffing Box	Cast Iron
Gland	Cast Iron
Spindle	Bronze
Stem Nut	Bronze
Spindle Cap	Cast Iron
Stopper Washer	Cast Iron

Main Dimensions							
Size	D	C	K	b	n-d	H	L
50	165	125	99	20	4-Ø19	415	468
80	200	160	132	22	8-Ø19	425	504
100	220	180	156	24	8-Ø19	480	520
150	285	240	211	26	8-Ø23	515	634
200	340	295	266	30	12-Ø23	615	752

Double Orifice Kinetic Air Valve

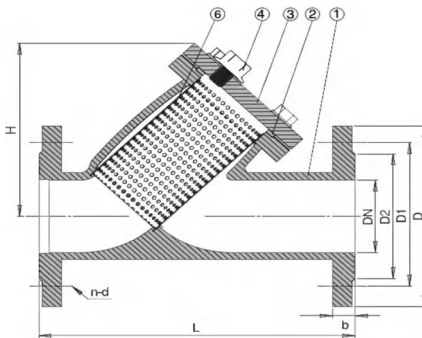


Application	
Available Standard	JKR / AWWA / BS / JIS / DIN
Working Pressure	1.6
Body Test Pressure	2.4
Seat Test Pressure	1.76
Reseat Pressure	1.6-0.35

Main Parts And Materials	
Parts Name	Material
Body	Cast Iron
Large Float Ball	NBR
Small Float Ball	NBR
Large Cover	Cast Iron
Small Cover	Cast Iron
Plate	Cast Iron
Gasket	Rubber
Air Release Nipple	Brass

Main Dimensions								
DN	D	C	K	b	n-d	H	E	F
50	165	125	99	20	4-Ø19	215	115	187
100	220	180	156	24	8-Ø19	285	145	300
150	285	240	211	26	8-Ø23	385	190	369
200	340	295	266	30	12-Ø23	500	205	398

Cast Iron Y-Strainer, 125/150 LB



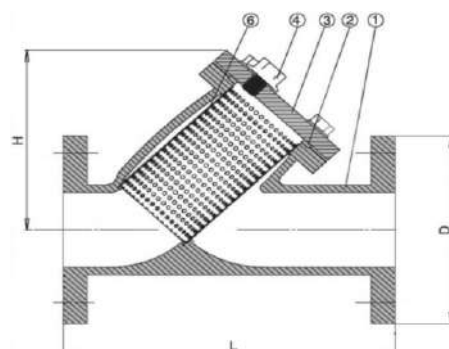
Application		
1	Face to face is according to ANSI 125 / 150	
2	Flange drilled is according to ANSI B16.1 / B16.5	
3	Class 125	Flat face flange
4	Class 150	Raised face flange

Test		
Working pressure	125 PSI	150 PSI
Shell pressure	350 PSI	400 PSI
Seat pressure	200 PSI	250 PSI

Main Parts and Materials		
Number	Part Name	Material
1	Body	A126B / A536 65-45-12
2	Cover Gasket	Graphite With Steel
		EPDM / NBR
4	Plug	Zinc Steel NPT
5	Bolt&nut	Galvanized Flat Head Bolt
		Galvanized Stud Bolt
		Stainless Steel
6	Screen	SS Wire Screen
		SS Perforated Mesh
3	Cover	A126B / A536 65-45-12

Main Dimensions								
DN	L	D	D1	b	n-d	H	Plug	W.T
1-1/2"	200	127	98.6	14.2	4-16	135	1/2"	6.5
2"	225.4	152	120.7	15.8	4-19	150	1/2"	9.6
2-1/2"	273	178	139.7	17.5	4-19	160	1/2"	12.3
3"	292	191	152.4	19	4-19	200	1/2"	17
4"	352.4	229	190.5	23.9	8-19	240	1/2"	28.1
5"	416	254	215.9	23.9	8-22	290	3/4"	40
6"	470	279	241.3	25.4	8-22	330	3/4"	49
8"	543	343	298.5	28.5	8-22	380	3/4"	82.3
10"	660.4	406	362	30.2	12-25	480	1"	127.3
12"	762	483	431.8	31.8	12-25	550	1"	200
14"	946.3	533	476.3	35	12-29	680	2"	320
16"	1079	597	539.8	36.6	16-29	780	2"	420

PN16 Y-Strainer



Application

1	Face to face is according to BS4504
2	Working pressure PN16
3	Working temperature $\leq 120\text{ }^{\circ}\text{C}$

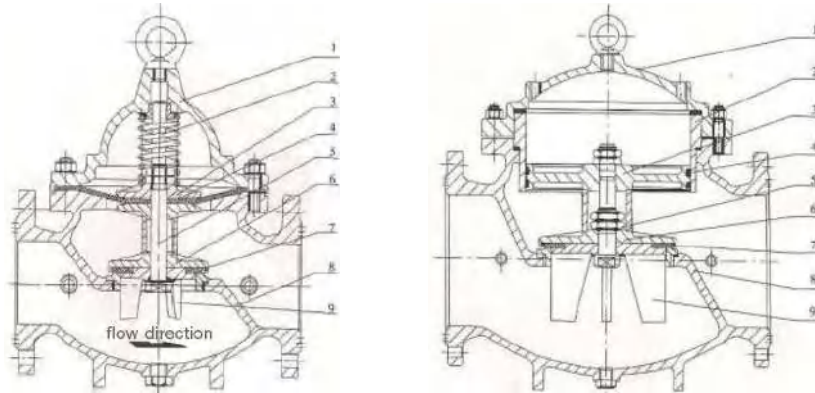
Main Parts and Materials

Number	Part Name	Material
1	Body	Cast iron or ductile iron
2	Plug	Cast iron or ductile iron
3	Cover	Cast iron or ductile iron
4	Bolt	Carbon steel
6	Screen	Stainless steel

Main Dimensions

DN	L	H	D
50	230	120	165
65	290	140	185
80	310	170	200
100	350	220	220
125	400	260	250
150	480	300	285
200	600	360	340
250	730	440	405
300	850	550	460

Water Control Valves



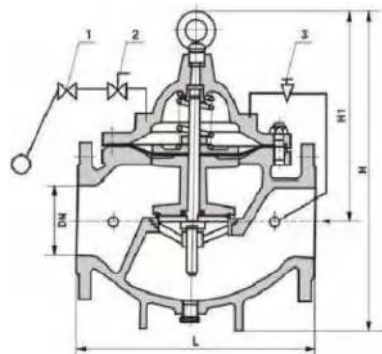
Construction Feature

Water control valves are classified into two types: Diaphragm type & Piston type, they consist of needle valve, pilot valve, catheter, pressure gauge and so on.

Main Parts Materials

Diaphragm type			Piston type		
No	Part name	Materials	No	Part name	Materials
1	Bonnet	CI, DI, CS, SS	1	Bonnet	CI, DI, CS, SS
2	Spring	Silico-manganese steel	2	Steel Bushing	Stainless steel
3	clamp	NBR	3	Piston	NBR
4	Diaphragm	NBR	4	O'range	Ductile iron / bronze
5	stem	Stainless steel	5	Stem	Stainless steel
6	disc	Ductile iron / bronze	6	Disc	Ductile iron / bronze
7	gasket	NBR	7	Gasket	NBR
8	body	CI, DI, CS, SS	8	Body	CI, DI, CS, SS
9	clamp of gasket	Bronze	9	Clamp of gasket	Bronze

100X Remote Control Float Valve



1. float pilot valve 2. ball valve 3. needle valve

Product Introduction

100X diaphragm type remote control float valve has many kinds of function and is installed at the inlet of pool or water tower. when the water-level reach the setting level, the main valve closes by the float pilot valve's control and stop supplying water. When the water-level comes down, the main valve opens by the float pilot valve's control and supply water to the pool. 100X remote control float valve can control the water-level of pool precisely and is not interrupted by the pressure and can be installed freely according to the height of pool and using space. It is suitable for piping DN450 or less. For DN500 or more, piston type valve is advised to be chosen.

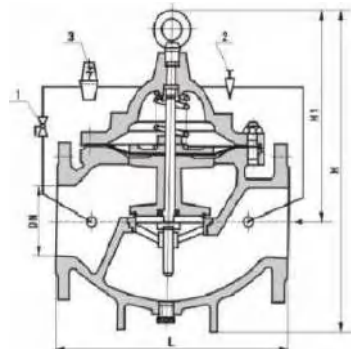
Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
Temperature	0-180 °C		
Medium	Water		

Main Demisions

Nominal diameter	L	A	A1	H	H1	F
50	230	280	139	265	210	170
65	250	284	141	310	215	180
80	260	292	145	350	245	210
100	320	330	164	460	305	275
125	370	340	169	520	365	310
150	410	350	174	570	415	355
200	480	392	195	695	510	460
250	580	442	220	780	560	500
300	690	472	235	905	658	580
400	860	582	290	1080	735	715
500	980	682	350	1135	665	830
600	1100	762	390	1270	725	920
700	1650	832	420	1460	865	980
800	1850	932	470	1640	975	1050

200X Pressure Reducing Valve



1. float pilot valve 2. ball valve 3. needle valve

Product Introduction

200X pressure reducing valve is a kind of intelligent valve that can adjust the pressure in the pipeline by the medium's own energy. 200X pressure reducing valve is widely used in civil feeding system, fire protection and other industrial feeding system. By adjusting the pressure reducing pilot valve, can adjust the outlet pressure of main valve. The outlet pressure do not changes as the inlet pressure and inlet flow rate change, so can assure the outlet pressure is same as the setting pressure and can adjust the setting pressure to reduce pressure.

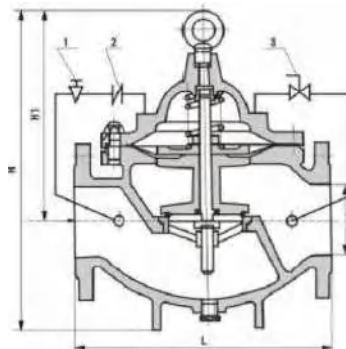
Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
Maximum Inlet Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Range of Outlet Pressure	0.09–0.8 MPa	0.10–1.2 MPa	0.15–1.6 MPa
Temperature	$\leq 80\text{ }^{\circ}\text{C}$		
Medium	water		

Main Dimensions

Nominal diameter	L	A	A1	H	H1	F
50	230	330	155	395	278	170
65	250	350	165	405	298	180
80	260	365	175	430	313	210
100	320	410	195	510	350	275
125	370	455	220	560	365	310
150	410	475	230	585	420	355
200	480	530	255	675	450	460
250	580	623	300	730	470	500
300	690	700	340	760	490	580
400	860	880	430	910	570	715
500	980	980	490	1135	665	830
600	1100	1060	530	1270	725	920
700	1650	1130	560	1460	865	980
800	1850	1230	610	1640	975	1050

300X Slow Close Check Valve



1. needle valve 2. check valve 3. little ball valve

Product Introduction

300X slow close check valve is a kind of intelligent valve, installed at the outlet of pump in high building's feeding system and other feeding system to prevent the fluid flowing backwards, water-hammering and water-hitting. This kind of valve has the function of electric valve, non return valve and water-hammering eliminator and improves the safety of feeding system. It has the principal of slow-open, quick-close and slow-close into one to prevent water-hammering when start or stop pump. Just operate the pushing button for the pump motor and the valve can automatically open or close according to the operating procedure with little pressure loss and large flow rate.

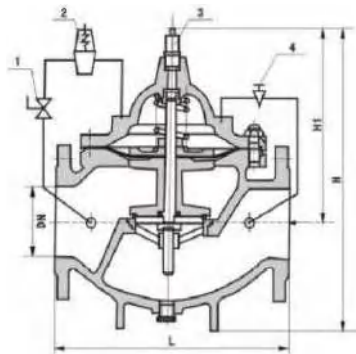
Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
Minimum movement pressure	$P_1 \geq 0.07 \text{ MPa}$		
Temperature	0 °C – 80 °C		
Medium	water		

Main Dimensions

Nominal diameter	L	A	A1	H	H1	F
50	230	320	210	265	210	170
65	250	330	215	310	215	180
80	260	350	220	350	245	210
100	320	410	230	460	305	275
125	370	420	245	520	365	310
150	410	430	260	570	415	355
200	480	440	280	695	510	460
250	580	450	300	780	560	500
300	690	460	320	905	658	580
400	860	480	360	1030	735	715
500	980	580	420	1135	665	830
600	1100	600	445	1270	725	920
700	1650	730	495	1460	865	980
800	1850	830	530	1640	925	1050

400X Flow Control Valve



1. little ball valve 2. pilot valve 3. flow adjuster 4. needle valve

Product Introduction

400X flow control valve is kind of multifunctional valve, using advanced pilot method to control flow rate of fluid. It is used in the piping whose flow rate and pressure need to keep stable and keep the flow rate stable and limit the over large flow rate to the preset flow rate value and reduce the upstream pressure, and even the upstream pressure of the main valve change, the flow rate in the downstream do not change. This kind of valve is different general throttle valve that reduce flow area to control flow rate, it uses related pilot valve to reduce energy loss when throttling. In emergency 400X flow control valve can shut off the fluid and avoid loss. It's sensibility is very high and it is very safe and reliable and it's life is very long and it is very easy to maintain.

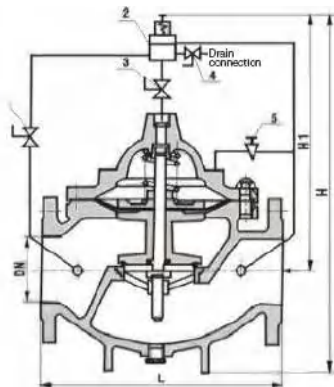
Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
The range of Outlet Pressure	0.09–0.8 MPa	0.10–1.2 MPa	0.15–1.6 MPa
Pressure characteristics	$P2 \times 8\%$	$P2 \times 10\%$	$P2 \times 12\%$
Flow characteristics	$P2 \times 15\%$	$P2 \times 20\%$	$P2 \times 25\%$
Temperature	0–80 °C		
Medium	water		

Main Dimensions

Nominal diameter	L	A	A1	H	H1	F
50	230	330	155	395	278	170
80	260	365	175	430	313	210
100	320	410	195	510	350	275
150	410	475	230	585	420	355
200	480	530	255	675	450	460
300	690	700	340	760	490	580
400	860	880	430	910	570	715
600	1100	1060	530	1270	725	920
800	1850	1230	610	1640	975	1050

500X Pressure Relieving / Sustaining Valve



Product Introduction

500X pressure relieving / sustaining valve is used fire protection or other feeding system to prevent overpressure of system or to maintain the needed pressure in fire protection. It can weakens water-hammering after fire pump stops. It is used in water-hammering elimination equipment in large-scale feeding system. There is one piece of self-cleaning mesh installed at the inlet of the valve's control system to assure the system run without any block. System runs stably and it's strength is very high and it's life is very long time.

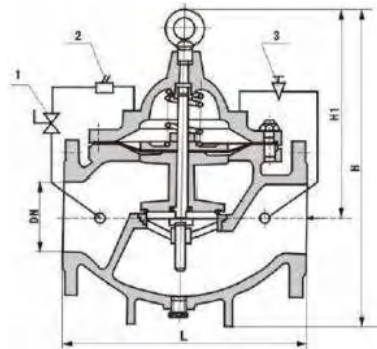
Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
The range of outlet pressure	0.09–0.8 MPa	0.10–1.2 MPa	0.15–1.6 MPa
Temperature	0–80 °C		
Medium	water		

Main Dimensions

Nominal diameter	L	A	A1	H	H1	F
50	230	345	135	610	516	170
65	250	355	140	625	520	180
80	260	360	146	645	538	210
100	320	400	156	750	596	275
125	370	420	170	808	655	310
150	410	435	186	864	710	355
200	480	480	206	1135	805	460
250	580	530	226	1185	855	500
300	690	575	246	1325	955	580
400	860	635	286	1440	1030	715
500	980	695	348	1430	960	830
600	1100	720	372	1565	1020	920
700	1650	770	422	1755	1160	980
800	1850	805	458	2230	1515	1050

600X Electric Valve



1. little ball valve 2. electric-magnetic valve 3. needle valve

Product Introduction

600X electric valve is a kind of self-acting valve with electric-magnetic valve as pilot valve. It is used in automatic control of feeding system and industrial system and it's control reaction is quick and precise. It opens or closes piping system according to the electric signal to reach remote control operation. It can be used in large-scale electric operation system instead of gate valve and butterfly valve. It's close speed is adjustable and it can close stably without any pressure fluctuation. It is of little volume and of little weight and of easy maintenance and of easy using and of reliability. Electric-magnetic valve is of AC220 V or DC 24 V.

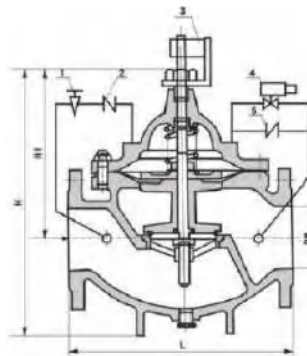
Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
Minimum Movement Pressure	$P_1 \geq 0.07 \text{ MPa}$		
Electromagnetic Valve a.c.voltage	220 V		
Electromagnetic Valve d-c voltage	24 V		
Temperature	0–80 °C		
Medium	water		

Main Dimensions

Nominal diameter	L	A	A1	H	H1	F
50	230	240	155	395	278	170
65	250	255	165	405	298	180
80	260	280	175	430	315	210
100	320	332	195	510	350	275
125	370	375	220	560	365	310
150	410	408	230	585	420	355
200	480	485	255	675	450	460
250	580	550	300	730	470	500
300	690	630	340	760	490	580
400	860	788	430	910	570	715
500	980	905	490	1135	665	830
600	1100	970	530	1270	725	920
700	1650	1050	560	1460	865	980
800	1850	1135	610	1640	975	1050

700X Pump Control Valve



1. needle valve 2. check valve 3. stroke switch
4. electric-magnetic valve 5. check valve

Product Introduction

700X pump control valve is installed at the pump's outlet in high building and other feeding system to prevent fluid flowing backwards. Before the pump will stop, the valve closes 90% or so ahead to prevent water-hammering and water-hitting at pump's instant stop; after the pump fully stop, the valves close fully to prevent the fluid flowing backwards at the outlet of the pump to protect the pump. It is flow-line designed and it can open or close according to electric-magnetic valve's pilot. It is safe to use and it can effectively prevent water-hammering and water-hitting.

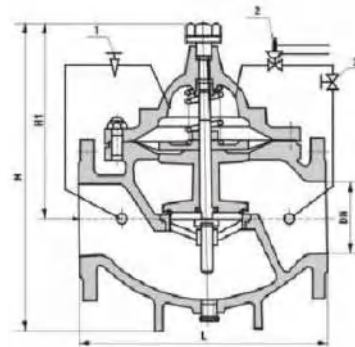
Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
Minimum Inlet Pressure	$P_1 \geq 0.07 \text{ MPa}$		
Electromagnetic Valve a.c.voltage	220 V		
Electromagnetic Valve d-c voltage	24 V		
Temperature	0-80 °C		
Medium	water		

Main Dimensions

Nominal diameter	L	A	A1	H	H1	F
50	230	240	155	395	278	170
65	250	255	165	405	298	180
80	260	280	175	430	315	210
100	320	332	195	510	350	275
125	370	375	220	560	365	310
150	410	408	230	585	420	355
200	480	485	255	675	450	460
250	580	550	300	730	470	500
300	690	630	340	760	490	580
400	860	788	430	910	570	715
500	980	905	490	1135	665	830
600	1100	970	530	1270	725	920
700	1650	1050	560	1460	865	980
800	1850	1135	610	1640	975	1050

800X Differential Pressure Bypass Balance Valve



1. needle valve 2. pilot valve 3. ball valve

Product Introduction

800X differential pressure bypass balance valve is a kind of valve used to balance the differential pressure in air conditioner system. This kind of valve improves the system's using percentage and maintain precise and stable differential pressure and at most degree low eliminate noise in the system and damage to the system due to over pressure differential. 800X differential pressure valve's most advantage is without actuator, compared with other balance valve, and it can balance the system by medium's own differential pressure and thus save energy and installation space. It is a kind of intelligent.

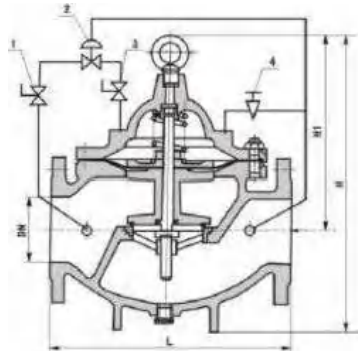
Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
Temperature	0-80 °C		
Medium	water		

Main Dimensions

Nominal diameter	L	A	A1	H	H1	F
50	230	240	155	395	278	170
65	250	255	165	405	298	180
80	260	280	175	430	315	210
100	320	332	195	510	350	275
125	370	375	220	560	365	310
150	410	408	230	585	420	355
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500	980	905	490	1135	665	830
600	1100	970	530	1270	725	920
700	1650	1050	560	1460	865	980
800	1850	1135	610	1640	975	1050

900X Emergency Shut-off Valve



1. little ball valve 2. pilot valve 3. little ball valve 4. little valve

Product Introduction

900X emergency shut-off valve is used in parallel system of fire protection water and drinking water to change the water supply direction. When fire disaster incurs, need much water to remove the fire, 900X emergency shut-off valve at once shut off the drinking water to supply enough water to fire protection; when fire protection do not need water and the pressure decreases, the valve opens automatically and keep normally open to assure drinking water supplying. The system does not need special fire protection pipe net due to this kind of valve, so decrease construction cost and save water much.

Specification

Work Pressure	1.0 MPa	1.6 MPa	2.5 MPa
Shell Test	1.5 MPa	2.4 MPa	3.75 MPa
Seal Test	1.1 MPa	1.76 MPa	2.75 MPa
Maximum Inlet Pressure	1.0 MPa	1.6 MPa	2.5 MPa
The Range of Outlet Pressure	0.09–0.8 MPa	0.10–1.2 MPa	0.15–1.6 MPa
Minimum Movement Pressure	$P_1 \geq 0.07 \text{ MPa}$		
Temperature	0–80 °C		
Medium	water		

Main Dimensions

Nominal diameter	L	A	A1	H	H1	F
50	230	240	155	395	278	170
65	250	255	165	405	298	180
80	260	280	175	430	315	210
100	320	332	195	510	350	275
125	370	375	220	560	365	310
150	410	408	230	585	420	355
200	480	485	255	675	450	460
250	580	550	300	730	470	500
300	690	630	340	760	490	580
400	860	788	430	910	570	715
500	980	905	490	1135	665	830
600	1100	970	530	1270	725	920
700	1650	1050	560	1460	865	980
800	1850	1135	610	1640	975	1050

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