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Golden Rules Co.,Ltd

MANUAL VALVE

수동밸브



The nation's development item, 100% domestic goods, Patent **NO.** 10-1606497



PN10/PN16 Double eccentric Flange type soft seal Butterfly valve



Parameter of the products	
Design pressure	PN10/PN16
Application for	Water,oil & gas
Test pressure	1.5 times rated
Temp	-29-425 °C

1	Design standard	EN593/ISO5752/BS5155/AWWAC504
2	Connection flange	DIN PN10/16,ANSI B16.1,BS 4504
3	Test standard	API 598
4	Top flange	ISO5211
	Raised face flange	
5	Size:	DN50-3000

Material Specification	
Part	Material
Body	WCB/304/316
Disc	WCB/304/316
Shaft	SS410/SS304/SS316
Seal	EPDM/NBR
Packing	flexible graphite
Temp	-10-120°C

		Dimensions								
		L:face to face								
DN	mm	100	125	150	200	250	300	350	400	450
	inch	4	5	6	8	10	12	14	16	18
L		127	140	140	152	165	178	190	216	222

ANSI CL150/DIN/BS/JIS 10K Wafer type Butterfly valve



Design standard	MSS SP-67,API609,EN593
Connection flange	DIN PN10/16,ANSI B16.1/BS /JIS/ table D, table E
Top flange	ISO5211
Test standard	API 598
Size	DN50-1200

Parameter of the products	
Working pressure	PN10/PN16
Application for	Water,oil &gas
Shell test	1.5 times
Seat test	1.1 times

Material Specification		
Part	Material	ANSI
Body	Cast iron	A126 class B
	Ductile iron	A536
Disc	Ductile iron	A536
	SS304	CF8
	SS316	CF8M
Shaft	SS410	A276
	SS304	CF8
	SS316	CF8M
Seat	EPDM/Buna N/PTFE/Viton/CR	

		Dimensions			L:face to face L					
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		42	44.7	45.2	52	54.4	55.8	60.6	65.5	76.9

SS ANSI CL150/DIN/BS/JIS 10K Wafer type Butterfly valve

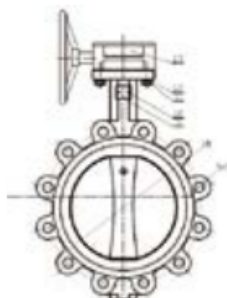


Design standard	MSS SP-67,API609,EN593
Connection flange	DIN PN10/16,ANSI B16.1/BS /JIS/ table D, table E
Top flange	ISO5211
Test standard	API 598
Size	DN50-1200

Parameter of the products	
Working pressure	PN10/PN16
Application for	Water,oil &gas
Shell test	1.5 times
Seat test	1.1 times

Material Specification		
Part	Material	ANSI
Body	SS304	CF8
	SS316	CF8M
Disc	SS304	CF8
	SS316	CF8M
Shaft	SS410	A276
	SS304	CF8
	SS316	CF8M
Seat	EPDM/Buna N/PTFE/Viton/CR	

		Dimensions			L:face to face L					
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		42	44.7	45.2	52	54.4	55.8	60.6	65.5	76.9

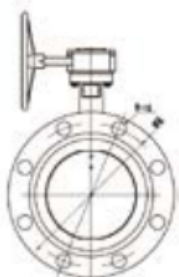
ANSI CL150/DIN/BS/JIS 10K Lug type Butterfly valve


Design standard	MSS SP-67,API609,EN593
Connection flange	DIN PN10/16,ANSI B16.1/BS /JIS/ table D, table E
Top flange	ISO5211
Test standard	API 598
Size	DN50-1200

Parameter of the products	
Working pressure	PN10/PN16
Application for	Water,oil &gas
Shell test	1.5 times
Seat test	1.1 times

Material Specification		
Part	Material	ANSI
Body	Cast iron	A126 class B
	Ductile iron	A536
	Wcb	ASTMA216WCB
	SS304/316	ASTMA351CF8CF8M
Disc	Ductile iron	A536
	SS304	CF8
	SS316	CF8M
Shaft	SS410	A276
	SS304	CF8
	SS316	CF8M
Seat	EPDM/Buna N/PTFE/Viton/CR	

Dimensions		L:face to face L								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		42	44.7	45.2	52	54.4	55.8	60.6	65.5	76.9

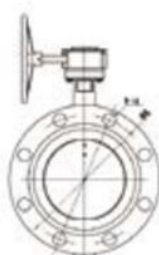
ANSI CL150/DIN/BS/JIS 10K Flange type Butterfly valve


Design standard	MSS SP-67,API609,EN593
Connection flange	DIN PN10/16,ANSI B16.1/BS /JIS/ table D, table E
Top flange	ISO5211
Test standard	API 598
Size	DN50-1200

Parameter of the products	
Working pressure	PN10/PN16
Application for	Water,oil &gas
Shell test	1.5 times
Seat test	1.1 times

Material Specification		
Part	Material	ANSI
Body	Cast iron	A126 class B
	Ductile iron	A536
Disc	Ductile iron	A536
	SS304	CF8
	SS316	CF8M
Shaft	SS410	A276
	SS304	CF8
	SS316	CF8M
Seat	EPDM/Buna N/PTFE/Viton/CR	

Dimensions		L:face to face L								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		108	112	114	127	140	140	154	165	178

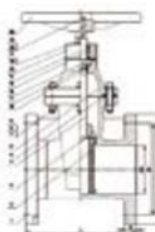
ANSI CL150/DIN/BS/JIS 10K U type Butterfly valve


Design standard	MSS SP-67,API609,EN593
Connection flange	DIN PN10/16,ANSI B16.1/BS /JIS/ table D, table E
Top flange	ISO5211
Test standard	API 598
Size	DN50-1200

Parameter of the products	
Working pressure	PN10/PN16
Application for	Water,oil &gas
Shell test	1.5 times
Seat test	1.1 times

Material Specification		
Part	Material	ANSI
Body	Cast iron	A126 class B
	Ductile iron	A536
	Wcb	ASTMA216WCB
	SS304/316	ASTMA351CF8CF8M
Disc	Ductile iron	A536
	SS304	CF8
	SS316	CF8M
	SS410	A276
Shaft	SS304	CF8
	SS316	CF8M
Seat	EPDM/Buna N/PTFE/Viton/CR	

Dimensions		L:face to face L								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		42	44.7	45.2	52	54.4	55.8	60.6	65.5	76.9

ANSI Class 150 Ductile iron non-rising stem soft seal gate valve


Parameter of the products	
Design pressure	ANSI CL150 150PSI
Application for	Water,oil &gas
Shell Test	400PSI
Seal Test	250PSI

1	Face to face according to ANSI B16.10	
2	Flange drilled ASME B16.42	
3	Class 125	Flat face flange
4	Class 150	Raised face flange

Material Specification		
Part	Material	ANSI
Body	Ductile iron	ASTM A536
Disc	DI+NBR/EPDM	ASTM A536+NBR/EPDM
Bonnet	Ductile iron	ASTM A536
Stem	SS	
Gland	Ductile iron	ASTM A536
Handwheel	Ductile iron	ASTM A536

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		178	191	203	229	254	267	292	330	356
PCD CL125/150		120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8
FOD		152	178	191	229	254	279	343	406	483

ANSI Class 150 Ductile iron rising stem gate valve


Parameter of the products	
Design pressure	ANSI CL150 15C150PSI
Application for	Water,oil &gas
Shell Test	400PSI
Seal Test	250PSI

1	Face to face according to ANSI B16.10
2	Flange drilled ASME B16.42
3	Class 125 Flat face flange
4	Class 150 Raised face flange

Material Specification		
Part	Material	ANSI
Body	Ductile iron	ASTM A536
Disc	DI+NBR/EPDM	ASTM A536+NBR/EPDM
Bonnet	Ductile iron	ASTM A536
Stem	SS	
Gland	Ductile iron	ASTM A536
Handwheel	Ductile iron	ASTM A536

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		178	191	203	229	254	267	292	330	356
PCD CL125/150		120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8
FOD		152	178	191	229	254	279	343	406	483

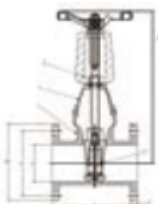
BS PN10/PN16 Ductile iron non-rising stem soft seal gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to BS5163
2	Flange drilled BS4504

Material Specification		
Part	Material	EN
Body	Ductile iron	EN-GJS-500-7
Disc	DI+NBR/EPDM	
Bonnet	Ductile iron	EN-GJS-500-7
Stem	SS	
Gland	Ductile iron	EN-GJS-500-7
Handwheel	Ductile iron	EN-GJS-500-7

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		178	190	203	229	254	267	292	330	356
PCD PN10		125	145	160	180	210	240	295	350	400
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	395	445

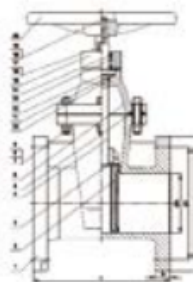
BS PN10/PN16 Ductile iron rising stem soft seal gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to BS5163
2	Flange drilled BS4504

Material Specification		
Part	Material	EN
Body	Ductile iron	EN-GJS-500-7
Disc	DI+NBR/EPDM	
Bonnet	Ductile iron	EN-GJS-500-7
Stem	SS	
Gland	Ductile iron	EN-GJS-500-7
Handwheel	Ductile iron	EN-GJS-500-7

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		178	190	203	229	254	267	292	330	356
PCD PN10		125	145	160	180	210	240	295	350	400
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	395	445

DIN F4 PN10/PN16 Ductile iron non-rising stem soft seal gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to DIN30202-F4
2	Flange drilled DIN2532/2533/2501

Material Specification		
Part	Material	DIN
Body	Ductile iron	GGG50
Disc	DI+NBR/EPDM	
Bonnet	Ductile iron	GGG50
Stem	SS	
Gland	Ductile iron	GGG50
Handwheel	Ductile iron	GGG50

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		150	170	180	190	200	210	230	250	270
PCD PN10		125	145	160	180	210	240	295	350	400
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

DIN F4 PN10/PN16 Ductile iron rising stem soft seal gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to DIN30202-F4
2	Flange drilled DIN2532/2533/2501

Material Specification		
Part	Material	DIN
Body	Ductile iron	GGG50
Disc	DI+NBR/EPDM	
Bonnet	Ductile iron	GGG50
Stem	SS	
Gland	Ductile iron	GGG50
Handwheel	Ductile iron	GGG50

Dimensions L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter										
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		150	170	180	190	200	210	230	250	270
PCD PN10		125	145	160	180	210	240	295	350	400
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

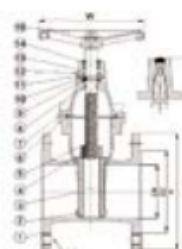
DIN F5 PN10/PN16 Ductile iron non-rising stem soft seal gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to DIN30202-F5
2	Flange drilled DIN2532/2533/2501

Material Specification		
Part	Material	DIN
Body	Ductile iron	GGG50
Disc	DI+NBR/EPDM	
Bonnet	Ductile iron	GGG50
Stem	SS	
Gland	Ductile iron	GGG50
Handwheel	Ductile iron	GGG50

Dimensions L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter										
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		250	270	280	300	325	350	400	450	500
PCD PN10		125	145	160	180	210	240	295	350	400
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

SABS664 665 PN10/PN16 Ductile iron non-rising stem soft seal gate valve

Parameter of the products

Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

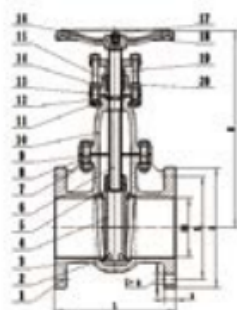
1	Face to face according to SABS664
2	Flange drilled EN1092-2,ISO7005-2

Material Specification

Part	Material	
Body	Ductile iron	EN-GJS-500-7
Disc	DI+NBR/EPDM	
Bonnet	Ductile iron	EN-GJS-500-7
Stem	SS	
Gland	Ductile iron	EN-GJS-500-7
Handwheel	Ductile iron	EN-GJS-500-7

Dimensions L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter

DN	mm	50	80	100	150	200	250	300	350	400
	inch	2	3	4	6	8	10	12	14	16
L SABS 664		178	203	229	267	292	330	356	381	406
L SABS 665		216	229	254	280	317	356	380	470	470
FOD		165	200	220	285	340	405	460	520	580

ANSI Class 150 Cast iron/ Ductile iron non-rising stem hard seal gate valve

Parameter of the products

Design pressure	ANSI CL150 150PSI
Application for	Water,oil &gas
Shell Test	400PSI
Seal Test	250PSI

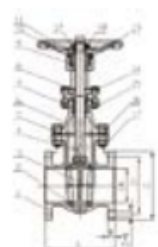
1	Face to face according to ANSI B16.10
2	Flange drilled ASME B16.1
3	Class 125 Flat face flange
4	Class 150 Raised face flange

Material Specification

Part	Material	ANSI
Body	Cast iron/Ductile iron	ASTM A126/A536
Disc	Cast iron/Ductile iron	ASTM A126/A536
Seat	Brass/Bronze	
Stem	SS	
Gland	Cast iron/Ductile iron	ASTM A126/A536
Handwheel	Cast iron/Ductile iron	ASTM A126/A536

Dimensions L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter

DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		178	191	203	229	254	267	292	330	356
PCD CL125/150		120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8
FOD		152	178	191	229	254	279	343	406	483

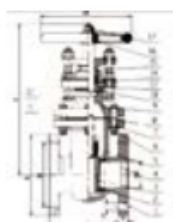
ANSI Class 150 Cast iron/ Ductile iron rising stem gate valve


Parameter of the products		
Design pressure	ANSI CL150	150PSI
Application for	Water,oil &gas	
Shell Test	400PSI	
Seal Test	250PSI	

1	Face to face according to ANSI B16.10	
2	Flange drilled ASME B16.1	
3	Class 125	Flat face flange
4	Class 150	Raised face flange

Material Specification		
Part	Material	ANSI
Body	Cast iron/Ductile iron	ASTM A126/A536
Disc	Cast iron/Ductile iron	ASTM A126/A536
Seat	Brass/Bronze	
Stem	SS	
Gland	Cast iron/Ductile iron	ASTM A126/A536
Handwheel	Cast iron/Ductile iron	ASTM A126/A536

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		178	191	203	229	254	267	292	330	356
PCD CL125/150		120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8
FOD		152	178	191	229	254	279	343	406	483

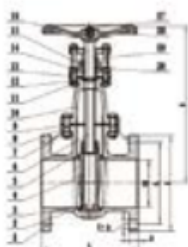
BS3464 PN10/PN16 Cast iron/ Ductile iron non-rising stem hard seal gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to BS3464
2	Flange drilled BS table D/E

Material Specification	
Part	Material
Body	Cast iron/Ductile iron
Disc	Cast iron/Ductile iron
Seat	Brass/Bronze
Stem	SS
Gland	Cast iron/Ductile iron
Handwheel	Cast iron/Ductile iron

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		146	159	165	172	191	210	241	273	305
PCD table D PN16		114	127	146	178	210	235	292	356	406
PCD table E PN16		114	127	146	178	210	235	292	356	406
FOD		165	185	200	220	250	285	340	405	460
The flange hole from 150-300 not same										

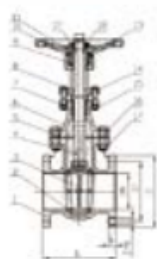
BS PN10/PN16 Cast iron/ Ductile iron non-rising stem gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to BS5163/BS5150
2	Flange drilled BS table D/E

Material Specification	
Part	Material
Body	Cast iron/Ductile iron
Disc	Cast iron/Ductile iron
Seat	Brass/Bronze
Stem	SS
Gland	Cast iron/Ductile iron
Handwheel	Cast iron/Ductile iron

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		178	190	203	229	254	267	292	330	356
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

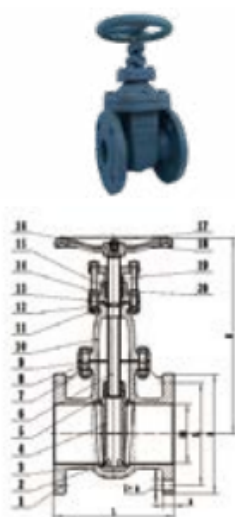
BS PN10/PN16 Cast iron/ Ductile iron rising stem gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to BS5163/BS5150
2	Flange drilled BS table D/E

Material Specification	
Part	Material
Body	Cast iron/Ductile iron
Disc	Cast iron/Ductile iron
Seat	Brass/Bronze
Stem	SS
Gland	Cast iron/Ductile iron
Handwheel	Cast iron/Ductile iron

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		178	190	203	229	254	267	292	330	356
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

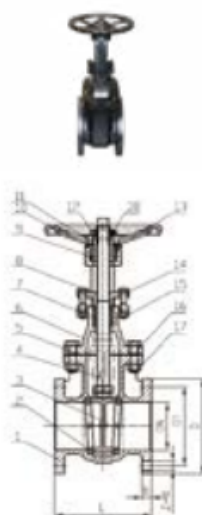
DIN F4 PN10/PN16 Cast iron/ Ductile iron non-rising stem hard seal gate valve


Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face	DIN3202-F4
2	Flange drilled	DIN2532/2533/2501

Material Specification	
Part	Material
Body	Cast iron/Ductile iron
Disc	Cast iron/Ductile iron
Seat	Brass/Bronze
Stem	SS
Gland	Cast iron/Ductile iron
Handwheel	Cast iron/Ductile iron

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		150	170	180	190	200	210	230	250	270
PCD PN10		125	145	160	180	210	240	295	350	400
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

DIN F4 PN10/PN16 Cast iron/ Ductile iron rising stem gate valve


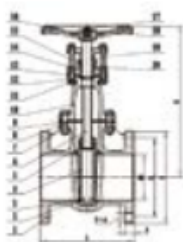
Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face	DIN3202-F4
2	Flange drilled	DIN2532/2533/2501

Material Specification	
Part	Material
Body	Cast iron/Ductile iron
Disc	Cast iron/Ductile iron
Seat	Brass/Bronze
Stem	SS
Gland	Cast iron/Ductile iron
Handwheel	Cast iron/Ductile iron

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		150	170	180	190	200	210	230	250	270
PCD PN10		125	145	160	180	210	240	295	350	400
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

DIN F5 PN10/PN16 Cast iron/ Ductile iron non-rising stem hard seal gate valve



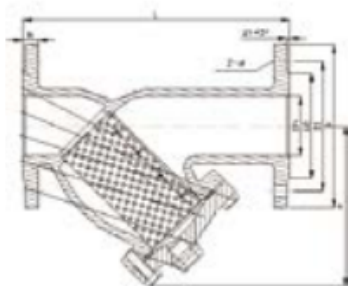
Parameter of the products	
Design pressure	PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face	DIN3202-F5
2	Flange drilled	DIN2532/2533/2501

Material Specification	
Part	Material
Body	Cast iron/Ductile iron
Disc	Cast iron/Ductile iron
Seat	Brass/Bronze
Stem	SS
Gland	Cast iron/Ductile iron
Handwheel	Cast iron/Ductile iron

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		250	270	280	300	325	350	400	450	500
PCD PN10		125	145	160	180	210	240	295	350	400
PCD PN16		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

ANSI Class 150 Cast iron /Ductile iron Y strainer

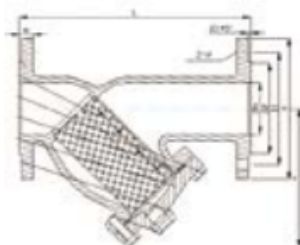


Parameter of the products	
Design pressure	ANSI CL150 150PSI
Application for	Water,oil &gas
Shell Test	400PSI
Seal Test	250PSI

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

Material Specification		
Part	Material	ANSI
Body	Cast iron	A126 class B
	Ductile iron	A536
Screen	SS304	CF8
Bolt	Carbon Steel	
Cover	cast iron/ductile iron	

Dimensions		L:face to face L								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(CL125)		225	273	292	352	416	470	543	660	762

DIN3202-F1 PN16 Cast iron /Ductile iron Y strainer


Parameter of the products	
Design pressure	DIN PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face according to DIN3202-F1
2	Flange drilled DIN2531/2532/2533

Material Specification		
Part	Material	
Body	Cast iron	GG25
	Ductile iron	GGG40
Screen	SS304	X5Cr-Ni18
Bolt	Carbon Steel	
Cover	cast iron/ductile iron	

		Dimensions				L:face to face L				
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(CL125)		230	290	310	350	400	480	600	730	850

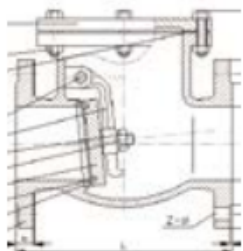
ANSI Class 125/150 DIN BS PN16 Wafer type double door check valve


Parameter of the products	
Design pressure	ANSI class 150 DIN PN10/16
Application for	Water,oil &gas
Shell Test	1.5times
Seal Test	1.1times

1	Face to face	EN558-1
2	Flange drilled	ANSI/DIN/BS

Part	Material	ASTM
Body	Cast iron	A126 Class B
	Ductile iron	A536
Disc	Cast iron	A126
	Ductile iron	A536
	SS304	A351 CF8
	SS316	A351 CF8M
Stem	SS420	2Cr13
Seat	EPDM	
	NBR	

		Dimensions				L:face to face				
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		43	46	64	64	70	76	89	114	114
PCD PN16		107	127	142	162	192	218	273	328	382
PCD class150		103	120	133	171	192	218	276	336	406

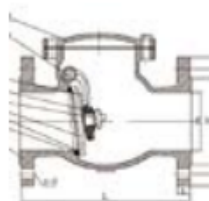
ANSI CL125/150 Flange type metal seat-- Swing check valve


Parameter of the products	
Design pressure	ANSI CL150 150PSI
Application for	Water,oil &gas
Shell Test	400PSI
Seal Test	250PSI

1	Face to face MSS-SP-71
2	Flange drilled ANSI B16.1/B16.5

Part	Material	ASTM
Body	Cast iron	A126 Class B
	Ductile iron	A536
Disc	Cast iron	A126
	Ductile iron	A536
Seat ring	bronze /brass	
Disc ring	bronze /brass	

		Dimensions L:face to face								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(CL125)		203	216	241	292	330	356	495	622	699
L(CL250)		267	292	318	356	400	444	553	622	711

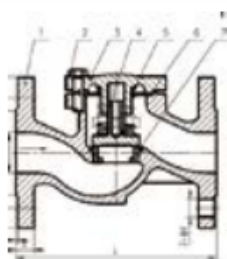
DIN PN10/16 Flange type metal seat-- Swing check valve


Parameter of the products	
Design pressure	DIN PN10/16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face DIN3202-F6
2	Flange drilled DIN2531/2532/2533

Part	Material	
Body	Cast iron	GG25
	Ductile iron	GGG50
Disc	Cast iron	GG25
	Ductile iron	GGG50
Seat ring	bronze /brass	
Disc ring	bronze /brass	

		Dimensions L:face to face								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(PN16)		200	240	260	300	350	400	500	600	700
PCD		125	145	160	180	210	240	295	355	410
FOD		165	185	200	220	250	285	340	405	460

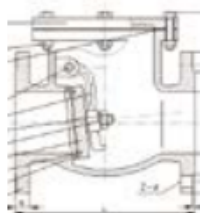
DIN PN10/16 Flange type metal seat-- lift type check valve


Parameter of the products	
Design pressure	DIN PN10/16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.76Mpa

1	Face to face	DIN3202-F1
2	Flange drilled	DIN2531/2532/2533

Part	Material	
Body	Cast iron	GG25
	Ductile iron	GGG50
Disc	Cast iron	GG25
	Ductile iron	GGG50
Bonnet	Cast iron	GG25
	Ductile iron	GGG50

Dimensions		L:face to face PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	15	20	25	32	40	50	65	80	100
	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L(PN16)		130	150	160	180	200	230	290	310	350
PCD		65	75	85	100	110	125	145	160	180
FOD		95	105	115	140	150	165	185	200	220

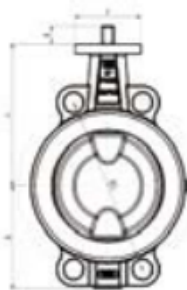
JIS 5K/10K Flange type Swing check valve


Parameter of the products	
Design pressure	JIS5K/10K
Application for	Water,oil &gas
Shell Test	1.5times
Seal Test	1.1 times

1	Face to face	JIS10K
2	Flange drilled	JISB2212

Part	Material	JIS
Body	Cast iron	FC200
	Ductile iron	FCD450
Disc	Cast iron	FC200
	Ductile iron	FCD450
Seat ring	bronze /brass	
Disc ring	bronze /brass	

Dimensions		L:face to face								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(10K)		204	216	241	292	330	356	495	622	699
L(5K A)		210	240	270	300	350	400	480		
L(5K B)		190	220	250	280	330	380	460	550	640

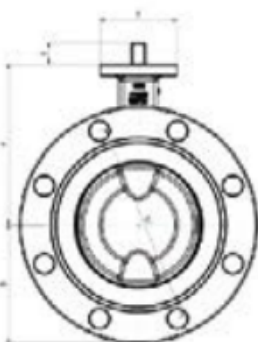
ANSI CL150/DIN/BS/JIS 10K Wafer type Butterfly valve


Parameter of the products	
Working pressure	Class150/PN10/PN16
Application for	Water,oil &gas
Body test	1.5 times rated
Disc seat test	1.1 times rated

1	Design standard:GB12238
2	Connection flanget to:DIN PN10/16,ANSI B16.1,BS 4504 ISO PN10/16,JIS B2212/2213 ,BS 10 table D,BS 10 table E
3	Top flange:ISO5211
4	Test standard:GB/T 13927
5	Size:DN40-1200

Material Specification		
Part	Material	ANSI
Body	Ductile iron	A536
	WCB	A216
	SS	CF8,CF8M
Disc	Ductile iron	A536
	SS304	CF8
	SS316	CF8M
Shaft	SS410	A276
	SS304	CF8
	SS316	CF8M
Seat	PTFE/RPTFE	

		Dimensions L:face to face								
DN	mm inch	50	65	80	100	125	150	200	250	300
		2	2 1/2	3	4	5	6	8	10	12
L		42	46	46	52	56	56	60	68	78

ANSI CL150/DIN/BS/JIS 10K Flange type Butterfly valve


Parameter of the products	
Working pressure	Class150/PN10/PN16
Application for	Water,oil &gas
Body test	1.5 times rated
Disc seat test	1.1 times rated

1	Design standard:GB12238
2	Connection flanget to:DIN PN10/16,ANSI B16.1,BS 4504 ISO PN10/16,JIS B2212/2213 ,BS 10 table D,BS 10 table E
3	Top flange:ISO5211
4	Test standard:GB/T 13927
5	Size:DN40-1200

Material Specification		
Part	Material	ANSI
Body	Ductile iron	A536
	WCB	A216
	SS	CF8,CF8M
Disc	Ductile iron	A536
	SS304	CF8
	SS316	CF8M
Shaft	SS410	A276
	SS304	CF8
	SS316	CF8M
Seat	PTFE/RPTFE	

		Dimensions L:face to face								
DN	mm inch	50	65	80	100	125	150	200	250	300
		2	2 1/2	3	4	5	6	8	10	12
L		108	112	114	127	140	140	152	165	178

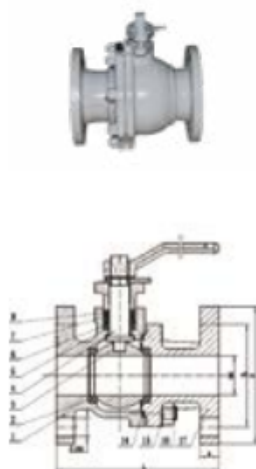
ANSI CL150/DIN/BS/JIS 10K Lug type Butterfly valve


Parameter of the products	
Working pressure	Class150/PN10/PN16
Application for	Water,oil &gas
Body test	1.5 times rated
Disc seat test	1.1 times rated

1	Design standard:GB12238
2	Connection flanget to:DIN PN10/16,ANSI B16.1,BS 4504 ISO PN10/16, JIS B2212/2213 ,BS 10 table D,BS 10 table E
3	Top flange:ISO5211
4	Test standard:GB/T 13927
5	Size:DN40-1200

Material Specification		
Part	Material	ANSI
Body	Ductile iron	A536
	WCB	A216
	SS	CF8,CF8M
Disc	Ductile iron	A536
	SS304	CF8
	SS316	CF8M
Shaft	SS410	A276
	SS304	CF8
	SS316	CF8M
Seat	PTFE/RPTFE	

		Dimensions L:face to face								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		43	46	46	52	56	55.8	60	68	78

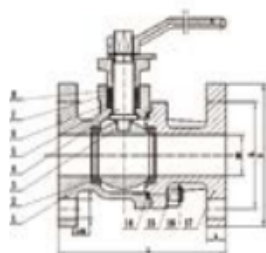
ANSI CL125 Cast iron ball valve


Parameter of the products		
Operating Pressure	125	
Test Pressure	Shell	350psi
	Seal	200psi
Working temperature T	-10-120°C	
Application for	Water,oil &gas	

1	Face to face according to ANSI B16.10
2	Flange drilled ANSI B16.1
3	Design and manufacture MSS SP-72
4	Test standard API598

Material Specification		
Part	Material	Spec
Body	Cast iron	ASTM A126
Ball	Cast iron/SS	ASTM A126/SS
Stem	2CR13/SS304	
Seat	PTFE/RPTFE	

		Dimensions L:face to face PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(125LB)		178	190	203	229	254	267	292	330	356
PCD		120.7	139.5	152.5	190.5	216	241.5	298.5	362	432
FOD		152	178	191	229	254	279	343	406	483

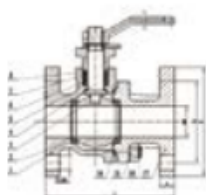
DIN PN16 Cast iron ball valve


Parameter of the products		
Operating Pressure	PN16	
Test Pressure	Shell	24bar
	Seal	17.6bar
Working temperature T	-10-120°C	
Application for	Water,oil &gas	

1	Face to face according to DIN302
2	Flange drilled DIN2501/DIN2533
3	Design and manufacture BS5159
4	Test standard API598

Material Specification		
Part	Material	Spec
Body	Cast iron	GG25
Ball	Cast iron/SS	GG25/SS
Stem	2CR13/SS304	
Seat	PTFE/RPTFE	

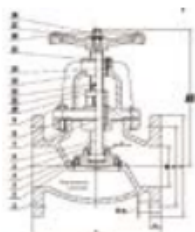
Dimensions		L:face to face PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	15	20	25	32	40	50	65	80	100
	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L(DIN)		115	120	125	130	140	150	170	180	190
PCD		65	75	85	100	110	125	145	160	180
FOD		95	105	115	140	150	165	185	200	220

JIS 10K Cast iron ball valve


Parameter of the products		
Operating Pressure	10K	
Test Pressure	Shell	2.1Mpa
	Seal	1.6Mpa
Working temperature T	-10-120°C	
Application for	Water,oil &gas	

Material Specification		
Part	Material	Spec
Body	Cast iron	FC200
Ball	Cast iron/SS	FC200/SS
Stem	2CR13/SS304	
Seat	PTFE/RPTFE	

Dimensions		L:face to face PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	40	50	65	80	100	125	150	200	250
	inch	1 1/2	2	2 1/2	3	4	5	6	8	10
L(125LB)		165	178	190	203	229	356	394	457	533
PCD		105	120	140	150	175	210	240	290	355
FOD		140	155	175	185	210	250	280	330	400

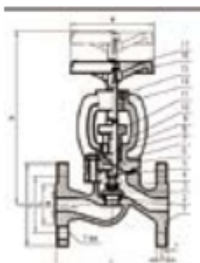
ANSI Class 150 Cast iron Globe valve


Parameter of the products	
Design pressure	ANSI CL150 150PSI
Application for	Water,oil &gas
Shell Test	400PSI
Seal Test	250PSI

1	Face to face according to ANSI B16.10
2	Flange drilled ANSI B16.1/B16.5
3	Design and manufacture MSS SP-70

Material Specification		
Part	Material	Spec
Body	Cast iron	ASTM A126
Disc	Cast iron+bronze	ASTM A126+bronze
Stem	2CR13/Brass Cr	
Seat	Bronze /brass/SS	

Dimensions		L:face to face PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(125LB)		203	216	241	292	330	356	495	622	699
PCD		120.7	139.5	152.5	190.5	216	241.5	298.5	362	432
FOD		152	178	191	229	254	279	343	406	483

DIN PN16 Cast iron Globe valve


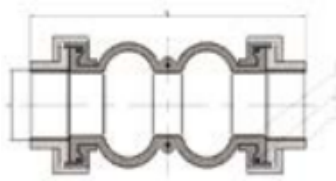
Parameter of the products	
Design pressure	DIN PN16
Application for	Water,oil &gas
Shell Test	2.4Mpa
Seal Test	1.8Mpa

1	Face to face according to DIN3202-F1
2	Flange Standard DIN2532/2533

Material Specification		
Part	Material	Spec
Body	Cast iron	GG25
Disc	Cast iron+2Cr13	GG25+Cr
Stem	2CR13/Brass Cr	
Seat	Bronze /brass/SS	

Dimensions		L:face to face PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	15	20	25	32	40	50	65	80	100
	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L(PN16)		130	150	160	180	200	230	290	310	350
PCD		65	75	85	100	110	125	145	160	180
FOD		95	105	115	140	150	165	185	200	220

ANSI CL150/BS/DIN screw rubber joint



Parameter of the products	
Working	ANSI CL150/DIN /BS/JIS
Application for	Water,oil &gas
Temp	-20-120 degree

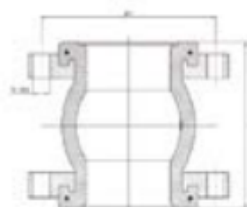
1	Design	GB/T 26121
2	Face to face	GB/T 26121
3	Pressure test	GB/T 26121-2010
4	Size	DN15-80

Material Specification	
Part	Material
Flange	Q235
	SS
Ball	EPDM/NBR

		Dimensions L:face to face							
DN	mm	15	20	25	32	40	50	65	80
	inch	1/2"	3/4"	1"	1 1/4"	1 1/2"	2	2 1/2"	3
L		165	200	200	200	200	200	265	285

Some according to customer need

ANSI CL150/BS/DIN Single ball rubber joint



Parameter of the products	
Working	ANSI CL150/DIN /BS/JIS
Application for	Water,oil &gas
Temp	-20-120 degree

1	Design	GB/T 26121
2	Face to face	GB/T 26121
3	Flange	ANSI/DIN/BS/JIS
4	Size	DN40-1200

Material Specification	
Part	Material
Flange	Q235
	SS
Ball	EPDM/NBR

		Dimensions L:face to face								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		105	115	135	150	165	180	210	230	245

Some according to customer need

ANSI CL150/BS/DIN/JIS LT knife gate valve


Parameter of the products	
Design	JB/T8691-1998
Flange	ANSI B16.5/DIN2532-2000 BS/JIS
Test standard	GB/T13927

Material Specification		
Part	Material	ANSI
Body	WCB	ASTM A216
	304	CF8
	316	CF8M
Disc	304	CF8
	316	CF8M
Seat	NBR	
	PTFE	
	304	CF8
	316	CF8M
Stem	2Cr13	

Dimensions		L:face to face L								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		48	48	51	51	57	57	70	70	76

ANSI CL150/BS/DIN/JIS Wafer Knife gate valve

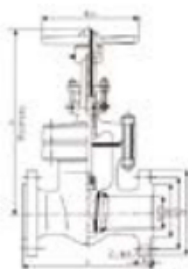

Parameter of the products	
Design	JB/T8691-1998
Flange	ANSI B16.5/DIN2532-2000/BS/JIS
Test standard	GB/T13927

Material Specification			
Part	Material	Material	Material
Body	Cast iron/Ductile iron/WCB/SS		
Disc	Cast iron/Ductile iron/WCB/SS		
Seat	NBR/EPDM/304/316		
Stem	2Cr13/SS Cr		

Material Specification			
Part	Material	Material	Material
Body	Cast iron/Ductile iron/WCB/SS		
Disc	Cast iron/Ductile iron/WCB/SS		
Seat	NBR/EPDM/304/316		
Stem	2Cr13/SS Cr		

Dimensions		L:face to face L								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		48	48	51	51	57	57	70	70	76

ANSI CL150-CL900 SS Rising stem Gate valve



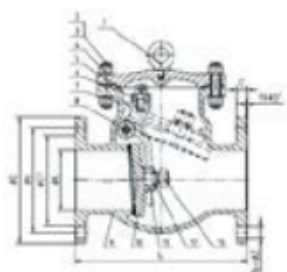
Operating Pressure		150LB/300LB
Test Pressure	Body	1.5 times
	Seal	1.1 times
Working temperature	-29-425°C	
Application for	Water,oil &gas	

1	Design with	API 6D/API600
2	Face to face	ANSI B16.10/API 6D
3	Flange End	ANSI B16.5
4	Test &check	API598/API6D
5	Supply	API600/MSS SP-25
6	Suitbale media	water ,oil,gas

Material Specification			
Part	Material		
Body	WCB	CF8	CF8M
Disc	WCB	CF8	CF8M
Bonnet	WCB	CF8	CF8M
Stem	F6a	F304	F316
Gasket	13Cr graphite	PTFE+304	PTFE+316
Bolt	SS	A193-B8	A193-B8M

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(CL150)		178	190	203	229	254	267	292	330	356
L(CL300)		216	241	283	305	381	403	419	457	502
L(CL600)		292	330	356	432	508	559	660	787	838

ANSI 150LB-300LB Flange type metal seat-- Swing check valve



Parameter of the products		
Operating Pressure		150LB/300LB
Test Pressure	Body	1.5 times
	Seal	1.1 times
Working temperature	-29-425°C	
Application for	Water,oil &gas	

Valve standard	
1	Comply with API 6D ,ANSI/ASME B16.34
2	Face to face ANSI/ASME B16.10 ,API 6D
3	Flange size ANSI/ASME B16.5,API605
4	Test API598 ,API6D
5	DN25-DN1200 for 150lb

Material Specification		
Part	Material	
Body	WCB	CF8/CF8M
Disc	WCB+Cr	SS+Stellite 12
Seat ring	WCB+Cr	SS+Stellite 12

Dimensions		L:face to face								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(CL125)		203	216	241	292	330	356	495	622	699
L(CL250)		267	292	318	356	400	444	533	622	711

ANSI CL150-CL2500 WCB and SS globe valve


PN(lb)	Strength test		Water seal test	
	Mpa	Lbf/in2	Mpa	Lbf/in2
150	3	430	2.2	315
300	7.7	1110	5.7	815
600	15.3	2220	11.3	1630
900	23	3330	17	2445
1500	38.4	5560	28.2	4080
2500	64	9255	47	6790

1	Comply with	API 6D
2	Face to face	ANSI B16.10
3	Flange End	ANSI B16.5
4	Suitbale water ,oil,gas	
5	DN15-D1000	

Material Specification			
Part	Material		
Body	WCB	CF8	CF8M
Stem	2Cr13		
Seal	13CR STL Cr		
Gasket	flexible graphite 13Cr/F304/F316..		
Packing	flexible graphite		

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	15	20	25	32	40	50	65	80	100
	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L(CL150)		108	117	127	140	165	203	216	241	292
L(CL300)		152	178	203	216	229	267	292	318	356
L(CL600)		165	190	216	229	241	292	330	356	432

WCB and SS PN16-64 Globe valve

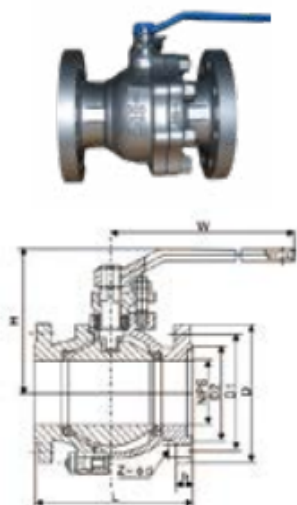

Parameter of the products		
Operating Pressure	PN	16-64
Test Pressure	Body	1.5 times
	Seal	1.1 times
Working temperature	T	≤ 200 °C
Application for	Water , oil , gas	

1	Comply with	DIN3202
2	Flange	DIN3352
3	Suitbale water ,oil,gas	
4	DN15-D1000	

Material Specification					
Part	WCB	CF8	CF8M	CF3	CF3M
Body	WCB	CF8	CF8M	CF3	CF3M
Bonnet	WCB	CF8	CF8M	CF3	CF3M
Disc	WCB	CF8	CF8M	CF3	CF3M
Stem	2Cr13	CF8	CF8M	CF3	CF3M
Seal	25	CF8	CF8M	CF3	CF3M
Gasket	spiralallic gasket , 304				
Packing	flexible graphite				
Bolt and nut	ZCuAl10Fe3				

Dimensions		L:face to face ;PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	10	15	20	25	32	40	50	65	80
	inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
L PN16		130	130	150	160	180	200	230	290	310
L PN25		130	130	150	160	180	200	230	290	310
L(PN40)		130	130	150	160	180	200	230	290	310
L(PN64)			170	190	210	230	260	300	340	380

ANSI Class150-CL600 Floating ball type/Trunnion mounted type



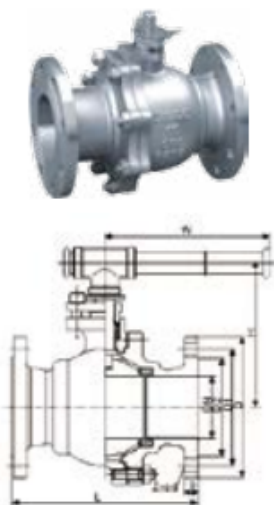
Parameter of the products				
Normal pressure	150lb	300lb	400lb	600lb
Shell test Pressure	3.1	7.5	10.2	15
Seal test pressure(liquid)	2.2	5.5	7.48	11
Medium	water,oil,steam,Nitric acid,acetic acid			
Temperature	≤ 200°C			

1	Flange End	ANSI B16.5
2	Face to face	ANSI B16.10/API 6D
3	Test	API598 /API 6D
4	Size	DN15-DN650

Material Specification					
Part	Material				
Body & body cap	WCB	CF8	CF3	CF8M	CF3M
Ball	A105	F304L	F304L	F316	F316L
Stem	F6a	F304	F304L	F316	F316L
Seat	PTFE/RPTFE/Nylon				
Spring	17-49H				
Stud	A193-B7	A193-B8			

Dimensions		L:face to face PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	15	20	25	40	50	65	80	100	125
	inch	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5
L CL150		108	117	127	165	178	190	203	229	356
L CL300		140	152	165	190	216	241	283	305	381

DIN PN16-PN100 Flange cast steel Ball valve



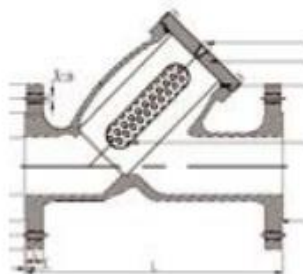
Parameter of the products				
Normal pressure	1.6	2.5	4	6.4
Shell test Pressure	2.4	3.8	6	9.6
Seal test pressure	1.8	2.8	4.4	7
gas test	0.5-0.7			
Temperature	≤ 200°C			

1	Flange End	DIN2532/2533
2	Face to face	DIN3202 F4 and F5
3	Test	API598 /API 6D
4	Size	DN15-DN300

Material Specification			
Part	Material		
Body	WCB	CF8	CF8M
Ball	2Cr13	CF8	CF8M
Stem	2Cr13	SS	SS
Seal	RPTFE		
Packing	PTFE,graphite		
Temp	-28-300 °C		

Dimensions		L:face to face PCD:Pitch Circle Diameter;FOD:Flange outside diameter								
DN	mm	15	20	25	32	40	50	65	80	100
	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
PN16-PN25		130	140	150	165	180	200	220	250	280
PN40		130	140	150	180	200	220	250	280	320
PN64-PN100		165	190	216	229	241	292	330	356	432

ANSI CL150/300/600 WCB/SS Y strainer



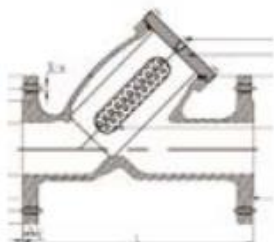
Parameter of the products	
Design pressure	ANSI CL150/CL300/CL600
Application for	Water,oil &gas
Test pressure	3.0Mpa/6.5Mpa/15Mpa
Temp	-29-425℃

1	Design and manufacture	MFG
2	Check and test	API598
3	Face to face to	MFG
4	Flange dimension	ANSI B16.5
	Raised face flange	

Material Specification		
Part	Material	ANSI
Body	Carbon steel	A216
	SS	CF8/CF8M
Screen	SS	CF8/CF8M
Bolt	SS	
Seal	Flexible graphite,PTFE	

		Dimensions			L:face to face reference					
DN	mm	15	20	25	32	40	50	65	80	100
	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L(CL150)		127	145	154	180	200	230	290	310	315
L(CL300)		127	150	160	180	210	240	290	310	351

DIN PN10-40 DN15-800 WCB/SS Y strainer



Parameter of the products	
Design pressure	PN10-PN40
Application for	Water,oil &gas
Test pressure	1.5 times for body
Temp	-29-425℃

1	Design	:GB/T21637
2	Face to face	:GB/T 12221
3	Flange	:JB/T79
	Raised face flange	

Material Specification	
Part	Material
Body	Carbon steel
	SS 不
Screen	SS 不
Bolt	SS 不
Seal	Flexible graphite,PTFE

		Dimensions			L:face to face for reference					
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L		230	290	310	350	400	480	600	730	850

Class150-900/PN16-PN100 H74 Spring type wafer single-disc swing check valve


Parameter of the products		
Operating Pressure	PN	1.6-10Mpa
Test Pressure	Body	1.5times
	Seal	1.1 times
Working temperature	-29-425°C	
Application for	Water , oil , gas	

1	Design standard	MSS SP-67,API609,EN593
2	Connection flanget	DIN PN10/16,ANSI B16.1,BS 4504 ISO PN10/16,JIS B2212/2213 ,BS 10 table D,BS 10 table E



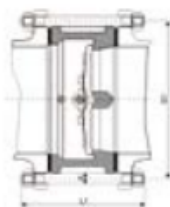
Material Specification				
Part	Material			
Body	WCB	CF8	CF3	CF8M
Disc	CF8	CF8	CF3	CF8M
Stem	2Cr13	CF8	CF3	CF8M
Spring	CF8	CF8	CF3	CF8M

Dimensions		L:face to face								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(PN16-PN25)		22	22	22	24	26	29	29	29	38

Class150-900/PN16-PN100 H74 H76 Cast Steel Wafer Swing Check Valve

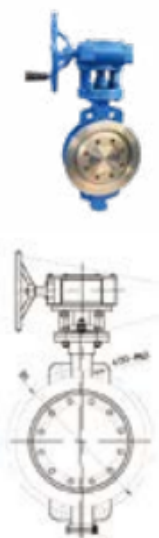

Parameter of the products		
Operating Pressure	PN	1.6-10Mpa
Test Pressure	Body	1.5times
	Seal	1.1 times
Working temperature	-29-425°C	
Application for	Water , oil , gas	

1	Design standard	MSS SP-67,API609,EN593
2	Connection flanget	DIN PN10/16,ANSI B16.1,BS 4504 ISO PN10/16,JIS B2212/2213 ,BS 10 table D,BS 10 table E



Material Specification				
Part	Material			
Body	WCB	CF8	CF3	CF8M
Disc	CF8	CF8	CF3	CF8M
Stem	2Cr13	CF8	CF3	CF8M
Spring	CF8	CF8	CF3	CF8M

Dimensions		L:face to face								
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
L(PN16-PN25)		60	67	73	73	86	98	127	146	181
L (PN40)		60	67	73	73	86	98	127	146	181

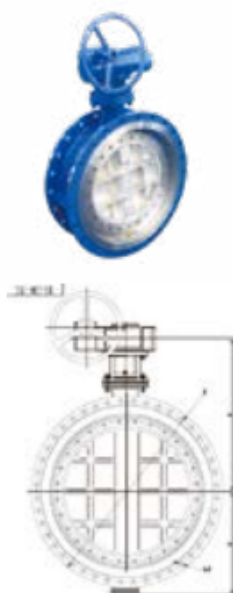
ANSI CL150/300 Tri- eccentric Wafer type hard seal Butterfly valve


Parameter of the products	
Design pressure	ANSI CL150/CL300
Application for	Water,oil &gas
Test pressure	1.5 times rated
Temp	-29-425°C

1	Design standard	API609-2004
2	Connection flange	ANSI B16.5-2004
3	Face to face	ANSI B16.10-2002
4	Top flange	ISO5211
	Raised face flange	

Material Specification	
Part	Material
Body	WCB/304/316/316L/304L
Disc	WCB/304/316/316L/304L
Shaft	SS410/SS304/SS316
Seal	316, Teflon
Packing	flexible graphite , Teflon
Temp	-29-600°C

Dimensions		L:face to face									
DN	mm	50	80	100	125	150	200	250	300	350	
	inch	2	3	4	5	6	8	10	12	14	
L		43	48	54	59	59	73	83	92	117	

ANSI CL150/300 Tri- eccentric Flange type hard seal Butterfly valve


Parameter of the products	
Design pressure	ANSI CL150/CL300
Application for	Water,oil &gas
Test pressure	1.5 times rated
Temp	-29-425°C

1	Design standard	API609-2004
2	Connection flange	ANSI B16.5-2004
3	Face to face	ANSI B16.10-2002
4	Top flange	ISO5211
	Raised face flange	

Material Specification	
Part	Material
Body	WCB/304/316/316L/304L
Disc	WCB/304/316/316L/304L
Shaft	SS410/SS304/SS316
Seal	316, Teflon
Packing	flexible graphite , Teflon
Temp	-29-600°C

Dimensions		L:face to face									
DN	mm	50	80	100	125	150	200	250	300	350	
	inch	2	3	4	5	6	8	10	12	14	
L		108	114	127	140	140	152	165	178	190	



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유량,레벨,압력,온도,밸브,분석기,TMS

토탈인스트루먼트 전문 제조 기업

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