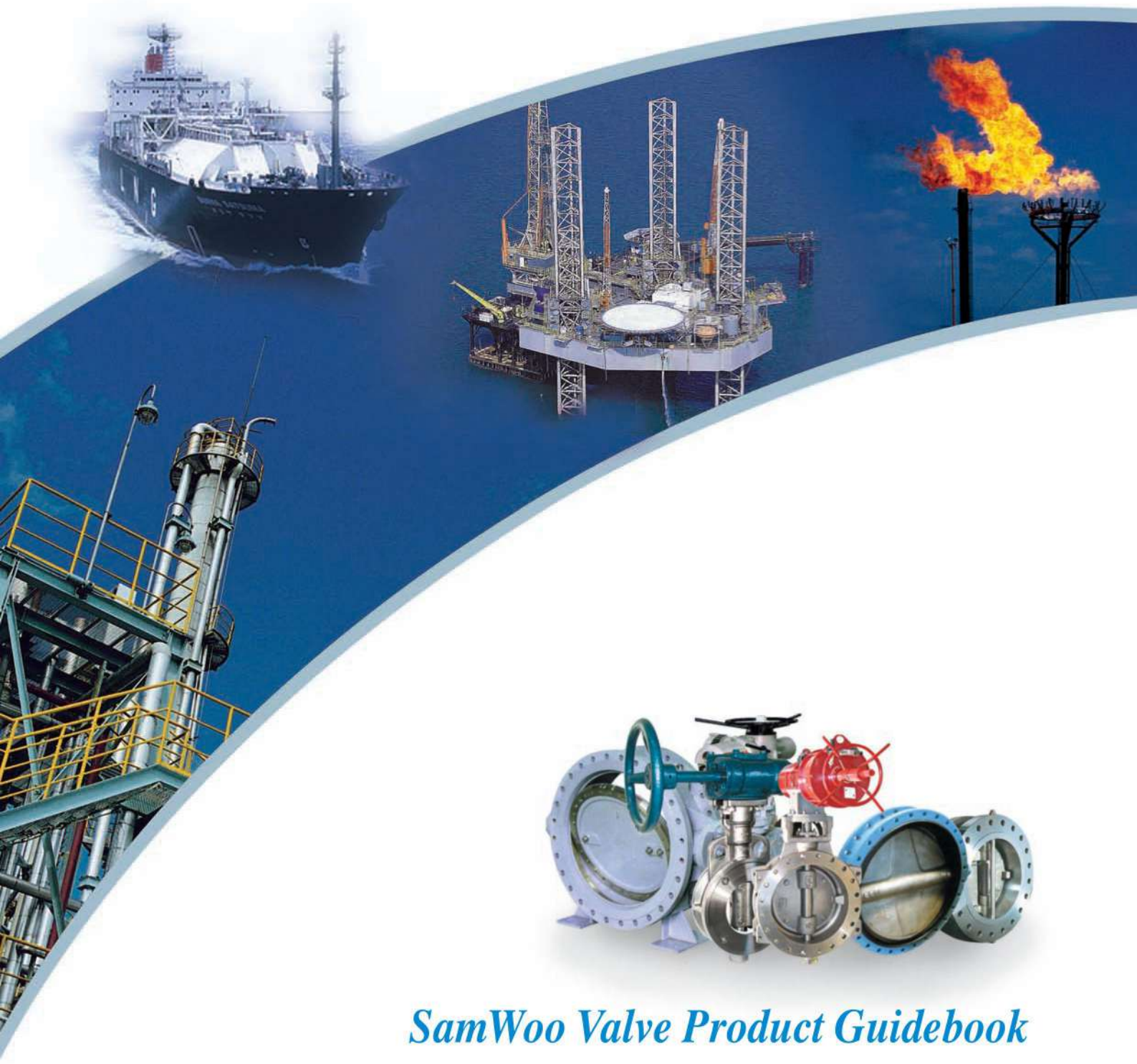
SPEC KAB



SamWoo Valve Product Guidebook

SW VALVE
SAMWOO VALVE CO., LTD.
www.swvalves.co.kr

Main Prodeuct

- Concentric Type Butterfly Valve for General Purpose
- Double Eccentric High-performance Butterfly Valve
- Water work Butterfly Valve
- Triple Metal Seat Butterfly Valve
- Dual Plate Check Valve

Figure Number Abbreviations

A	B	C	D	E	F	G	H	I
Kind		Connection	Operation	Class		Material	Size	

AB - KIND

CL : Center Lined Butterfly Valve
HP : High-Performance Butterfly Valve
HT : High-Performance PTFE Seat Butterfly Valve
HM : High-Performance Metal Seat Butterfly Valve
HF : High-Performance Fire Safe Butterfly Valve
TR : Triple Eccentric Metal Seat Butterfly Valve
WW : Water Works Butterfly Valve
DC : Duo-Check Valve
VA : Various Valve

C - Connection

W : Wafer
S : Semi-Lug
L : Lug
F : Flanged
B : Butt Welding
S : Socket Type

D - Operation

L : Lever
G : Gear
C : Chain Wheel
E : Electric Motor
P : Pneumatic
F : Free Stem
H : H.Y.D Actuator
O : Other

E F - Class

J5 : JIS 5K
J0 : JIS 10K
J6 : JIS 16K
J2 : JIS 20K

D6 : PN6
D0 : PN10
D6 : PN16
D2 : PN25

A1 : ANSI 150LB
A3 : ANSI 300LB
A6 : ANSI 600LB
A9 : ANSI 900LB

TD : AWWA C207 Class D
TE : AWWA C207 Class E

G - Trim

M : Metal
T : Teflon
F : Fire Safe
R : Rubber

H I - Size

2″ : 50A	22″ : 550A	52″ : 1300A
2.5″ : 65A	24″ : 600A	54″ : 1350A
3″ : 80A	26″ : 650A	56″ : 1400A
4″ : 100A	28″ : 700A	60″ : 1500A
5″ : 125A	30″ : 750A	64″ : 1600A
6″ : 150A	32″ : 800A	66″ : 1650A
8″ : 200A	34″ : 850A	72″ : 1800A
10″ : 250A	36″ : 900A	80″ : 2000A
12″ : 300A	38″ : 950A	84″ : 2100A
14″ : 350A	40″ : 1000A	96″ : 2400A
16″ : 400A	42″ : 1050A	120″ : 3000A
18″ : 450A	44″ : 1100A	140″ : 3500A
20″ : 500A	48″ : 1200A	160″ : 4000A

Greeting Message

The Samwoo Valve Co., Ltd.(SWV) was established in July 1997 in Korea as a manufacturer and a supplier specialized in valves.

SWV has had major success with various construction projects and supply contracts and has become widely recognized for its expertise & service in providing a comprehensive range of products and services to satisfy Power plant, Cogeneration, Petro-Chemical, Refining, Marine, Steel and Gas plant, Dry powder, Air line, Sugar Industry, Food and beverage and etc.

We, SWV will provide products and services to meet our customer's requirements. We will commit our resources to comply with ISO 9001 & strive to continually improve our products, processes and Quality Managements System.

CEO President

LEE SANG IL

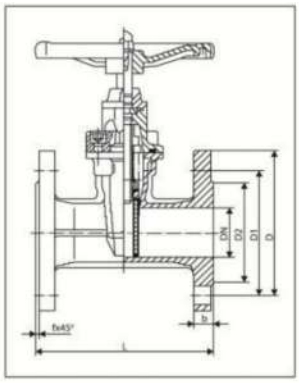
Organization

Contents

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 Non Rising Resilient Seated Gate Valve

SW BRAND



Main parts and materials

Part Name	Material
Body	Ducitile iron
Bonnet	Ducitile iron
Stem	2Cr13
Disc	Ductile iron+NBR/EPDM

Specification

Basic standad	• Design and manufacture: BS 5163 • Flange end: EN 1092 PN10/16 • Face to face: BS 5163
Feature	• Norminal Pressure (mpa): 1.6 • Seal test (water): 1.76 mpa • Shell test (water): 2.4mpa • Suitable temperrature -10-80°C • Suitable medium: Water

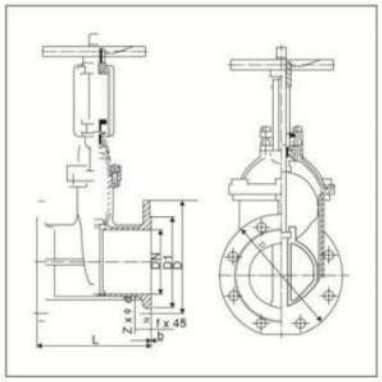
Dimensions

DN	L	D	D1	b	z-d
50	178±2	165	125	19	4-Φ19
65	190±2	185	145	19	4-Φ19
80	203±2	200	160	19	8-Φ20
100	229±2	220	180	21	8-Φ20
125	254±2	250	210	22	8-Φ21
150	267±2	285	240	22	8-Φ23
200	292±2	340	295	23	12-Φ23
250	330±3	405	355	26	12-Φ28
300	356±3	460	410	26.5	12-Φ28
350	381±3	520	470	28	16-Φ28
400	406±3	580	525	28.5	16-Φ31
450	432±3	640	585	30	20-Φ31
500	457±4	715	650	31.5	20-Φ34
600	508±4	840	770	36	20-Φ37
700	610±6	910	840	37	24-Φ37
800	660±6	1025	959	41	24-Φ41
1000	813±8	1255	1170	44	28-Φ44

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 OS & Y Resilient Seat Gate Valve

SW BRAND



Main parts and materials

Part Name	Material
Body	DuctileIron
Disc	Ductile Iron+EPDM
Stem	2Cr13
Gasket	EPDM

Specification

Basic standard	• Design end manufacture: BS 5163 • Flange end: EN 1092 PN 10/16 • Face to face: BS 5163
Feature	• Norminal Pressure (mpa):1.6 • Seal test: 1.8mpa • Shell test: 2.4 mpa • Suitable temperature: ≤80°C • Suitable medium: Water

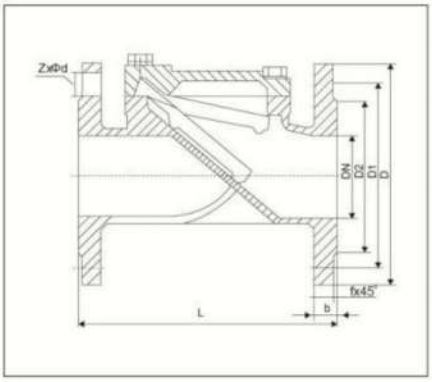
Dimensions

DN	L	D	D1	b	z-d
50	178±2	165	125	19	4-Φ19
65	190±2	185	145	19	4-Φ19
80	203±2	200	160	19	8-Φ20
100	229±2	220	180	21	8-Φ20
125	254±2	250	210	22	8-Φ21
150	267±2	285	240	22	8-Φ23
200	292±2	340	295	23	12-Φ23
250	330±3	405	355	26	12-Φ28
300	356±3	460	410	26.5	12-Φ28
350	381±3	520	470	28	16-Φ28
400	406±3	580	525	28.5	16-Φ31
450	432±3	640	585	30	20-Φ31
500	457±4	715	650	31.5	20-Φ34
600	508±4	840	770	36	20-Φ37
700	610±6	910	840	37	24-Φ37
800	660±6	1025	959	41	24-Φ41
1000	813±8	1255	1170	44	28-Φ44

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 OS Rubber Dics Swing Check Valve

SW BRAND



Main parts and materials

Part Name	Material
Body	Ductile Iron
Disc	NBR+45#Steel+Nylon Fibres
Bonnet	Ductile Iron
Gasket	NBR

Specification

Basic standard	• Connection end: BS4504
Feature	• Norminal Pressure (mpa):1.6 • Seal test: 1.76 mpa • Shell test: 2.4 mpa • Suitable temperature: -10-80°C • Suitable medium: Water

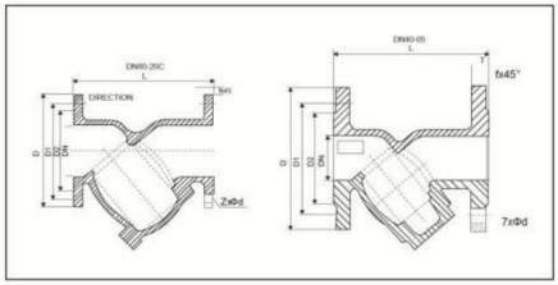
Dimensions

DN	L	D	D1	D2	b	f	Z-Φd
50	203±2	Φ160	Φ125	Φ100	19	3	4x-Φ19
65	216±2	Φ180	Φ145	Φ120	19	3	4x-Φ19
80	240±2	Φ195	Φ160	Φ135	19	3	8x-Φ19
100	292±2	Φ215	Φ180	Φ155	21	3	8x-Φ19
125	330±2	Φ245	Φ210	Φ185	22	3	8x-Φ19
150	356±2	Φ280	Φ240	Φ210	22	3	8x-Φ23
200	493±2	Φ335	Φ295	Φ262	23	3	8x-Φ23
250	622±2	Φ395	Φ350	Φ315	23	3	12x-Φ23
300	698±2	Φ445	Φ400	Φ365	25	3	12x-Φ23

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 Y Strainer

SW BRAND



Main parts and materials

Part Name	Material
Body	Ductile Iron
Bonnet	Ductile Iron
Screen	Stainless steel
Gasket	NBR/EPDM

Specification

Basic standad	• Norminal Pressure (mpa): 1.6 • Seal test (water): 2.4 mpa • Shell test (water): 2.4 mpa
Feature	• Suitable temperature: ≤200°C • Suitable medium: Water stream oil

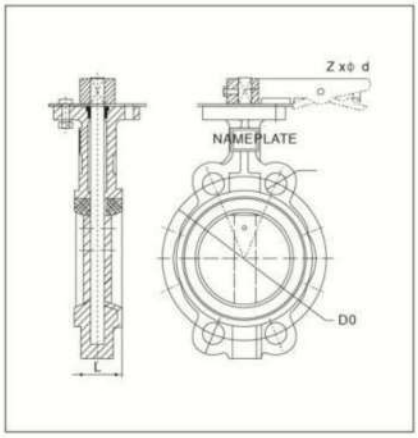
Dimensions

DN	L	D	D1	D2	Z-Φd	T	f
40	170±2	Φ145	Φ110	Φ85	4x-Φ18	19	3
50	170±2	Φ160	Φ125	Φ100	4x-Φ18	19	3
65	195±2	Φ180	Φ145	Φ120	4x-Φ18	19	3
80	240±2	Φ195	Φ160	Φ135	4x-Φ18	19	3
100	270±3	Φ215	Φ180	Φ155	8x-Φ18	19	3
125	290±3	Φ245	Φ210	Φ185	8x-Φ18	21	3
150	345±3	Φ280	Φ240	Φ210	12x-Φ23	21	3
200	460±3	Φ335	Φ295	Φ265	12x-Φ23	22	3
250	605±3	Φ405	Φ355	Φ320	12x-Φ25	31	3
300	635±3	Φ4+0	Φ410	Φ375	12x-Φ25	33	3
350	696±3	Φ520	Φ470	Φ435	16x-Φ25	37	3
400	790±3	Φ580	Φ525	Φ485	16x-Φ30	39	3
450	850±3	Φ640	Φ585	Φ545	20x-Φ30	44	4

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 Water Butterfly Valve (Handleval Opersted)

SW BRAND



Main parts and materials

Part Name	Material
Body	Cast Iron / Strainless steel
Disc	SS
Stem	Ductile Iron / Strainless steel
Seat	EPDM/NBR/PTFE

Specification

Basic standad	• Connecition end: BS4504
Feature	• Norminal Pressure (mpa): 1.6 • Shell test (water): 2.4 mpa • Seal test (water): 1.8mpa • Suitable temperature: ≤80°C • Suitable medium: water

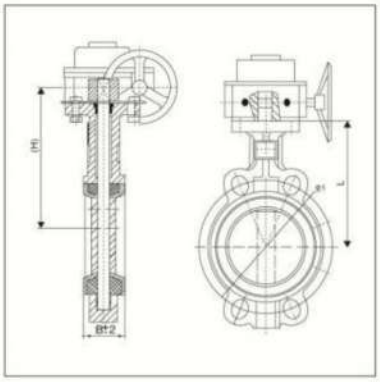
Dimensions

DN	L	D0	ZxΦd
50	43	Φ125	4xΦ19
65	46	Φ145	4xΦ19
80	46	Φ160	4xΦ19
100	52	Φ180	4xΦ19
125	56	Φ210	4xΦ19
150	56	Φ240	4xΦ23
200	60	Φ295	4xΦ23

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 Water Butterfly Valve (Worm gear operated)

SW BRAND



Dain part and materials

Part Name	Material
Body	Cast Iron
Stem	SS
Disc	Ductile Iron / Strainless steel
Seat	EPDM/NBR/PTFE

Specification

Basic standad	• Connection end: BS4505
Feature	• Normiral pressure (mpa): 1.6 • Seal test (gas): 1.8 mpa • Shell test (water): 2.4 mpa • Suitable temperature: ≤ 80°C • Suitable medium: water

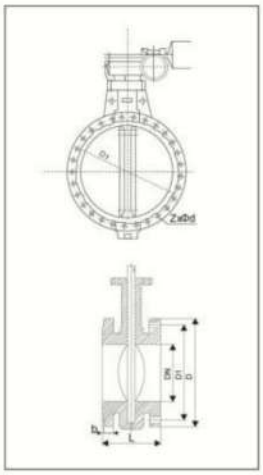
Dimensions

DN	Φ1	(H)	B	Z-Φd
40	Φ110	160	43	4x-Φ19
50	Φ125	160	43	4x-Φ19
65	Φ145	170	46	4x-Φ19
80	Φ160	190	46	4x-Φ19
100	Φ180	210	52	4x-Φ19
125	Φ210	240	56	4x-Φ19
150	Φ240	260	56	4x-Φ19
200	Φ295	280	60	4x-Φ23
250	Φ355	290	68	4x-Φ23
300	Φ410	360	78	4x-Φ23

SW VALVE
SAMWOO VALVE CO., LTD.

PN16 Flanged Center Line Butterfly Valve

SW BRAND



Main parts and materials

Part Name	Material
Body	Cast Iron/Ductile Ion
Disc	Ductile Iron / Strainless steel
Stem	Stainless Steel
Seat	EPDM/NBR/VITON/PTFE

Specification

Basic standard	• Design and manufacture: BS 5155 • Face to Face: BS EN 588-1 series 14 • Flange end: BS 1092
Feature	• Norminal Pressure : 1.0~1.6 150Lb, 10K • Seal test (water): 1.1-1.76 mpa • Shell test (water): 1.5-2.4 mpa

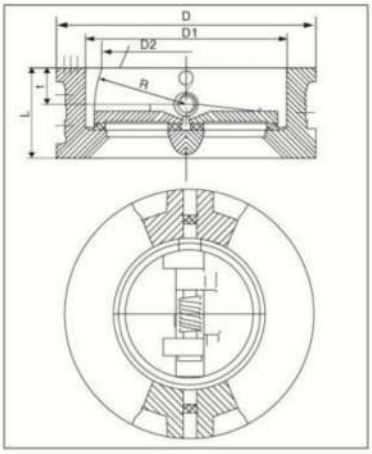
Dimensions

DN	L	ZxΦd	D0
50	43	2xΦ19	120
65	46	2xΦ19	140
80	46	2xΦ19	150
100	52	2xΦ19	175
125	56	2xΦ23	210
150	56	2xΦ23	240
200	60	2xΦ23	290
250	68	2xΦ25	355
300	78	2xΦ25	400
350	78	2xΦ25	445

SW VALVE
SAMWOO VALVE CO., LTD.

PN16 Water Check Valve

SW BRAND



Dain part and materials

Part Name	Material
Seat	EPDM
Body	Cast Iron
Disc	Ductile Iron / Strainless steel
Stem	Stainless Steel

Specification

Feature	• Normiral pressure (mpa): 1.6 • Seal test (water): 1.76 mpa • Shell test (water): 2.4 mpa • Suitable temperature: ≤ 80°C • Suitable medium: water

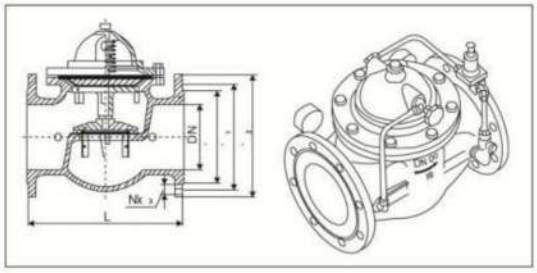
Dimensions

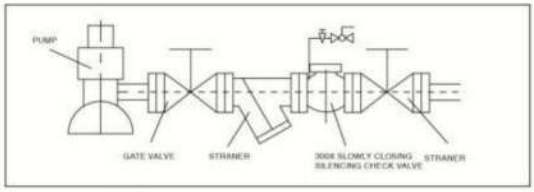
DN	D	D1	D2	L	R	T
50	107	65	40	43	27	19
65	127	80	60	46	35	19.8
80	142	94	70	64	42	27.7
100	162	117	88	64	50	27.7
125	192	145	115	70	64	30.3
150	218	171	134	76	77	31.6
200	273	224	182	89	102.5	32.9
250	328	265	220	114	125	50.5
300	378	310	260	114	146	43.3
350	437	360	298	127	170	45.3
400	488	410	350	140	195	52.3
450	539	450	385	152	215	58.2
500	594	505	438	152	238	58.3
600	695	624.5	538	178	292	74.6
700	810	720	662	229	345	98

SW VALVE
SAMWOO VALVE CO., LTD.

PN16 Pressure Reducing Valve

SW BRAND





Main parts and materials

Part Name	Material
Body	Ductile Iron
Bonnet	Ductile Iron
Stem	2Cr13
Pressure Reducing Valve	Brass/304
Nessle Valve	Brass/304
Ball Valve	Brass/304

Specification

Basic standard	• Flange end: BS4504
Feature	• Norminal Pressure (mpa): 1.6 • Seal test: 1.8 mpa • Shell test: 2.4 mpa • Suitable temperature: 0~80°C • Suitable medium: Water

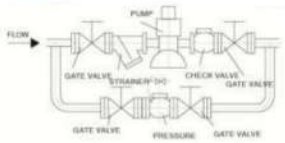
Dimensions

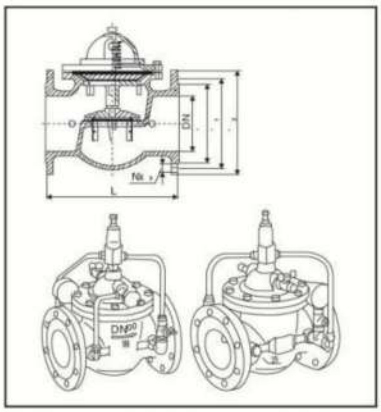
	L	Φ	Φ1	Φ2	NxΦ3
50	203	99	125	165	4x-Φ19
65	216	118	145	185	4x-Φ19
80	241	132	160	200	8x-Φ19
100	292	156	180	220	8x-Φ19
125	330	184	210	250	8x-Φ19
150	356	211	240	285	8x-Φ23
200	458	266	295	340	12x-Φ23
250	530	319	355	405	12x-Φ28

SW VALVE
SAMWOO VALVE CO., LTD.

PN16 Pressure Relief Valve

SW BRAND





Main parts and materials

Part Name	Material
Body	Ductile Iron
Bonnet	Ductile Iron
Stem	2Cr13
Disc	Ductile Iron
Ball Valve	Brass/304
Pressure Relief Valve	Brass/304
Needle Valve	Brass/304

Specification

Basic standard	• Flange end: BS4504
Feature	• Norminal Pressure (mpa): 1.6 • Seal test (water): 1.8 mpa • Shell test (water): 2.4 mpa • Suitable temperature: 0~80°C • Suitable medium: Water

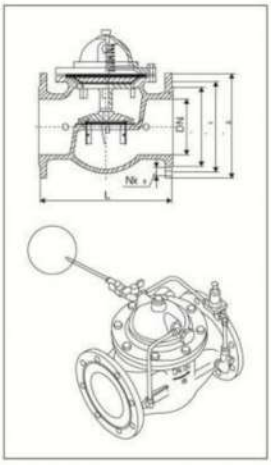
Dimensions

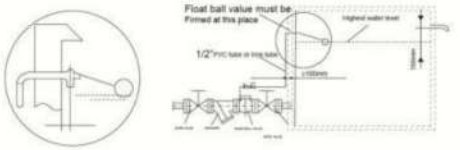
DN	L	Φ	Φ1	Φ2	NxΦ3
50	203	99	125	165	4x-Φ19
65	216	118	145	185	4x-Φ19
80	241	132	160	200	8x-Φ19
100	292	156	180	220	8x-Φ19
125	330	184	210	250	8x-Φ19
150	356	211	240	285	8x-Φ23
200	458	266	295	340	12x-Φ23
250	530	319	355	405	12x-Φ28

SW VALVE
SAMWOO VALVE CO., LTD.

PN16 Float Ball Valve

SW BRAND





Dain part and materials

Part Name	Material
Body	Ductile Iron
Bonnet	Ductile Iron
Stem	2Cr13
Diaphragm Clamp	Cast Iron
Diphragm	Rubber
Flat Gasket G	Q235A
Disc	Cast Iron

Specification

Basic standard	• Flange end: BS 4504
Feature	• Norminal Pressure (mpa): 1.6 • Seal test (water): 1.8 mpa • Shell test (water): 2.4 mpa • Suitable temperature: 0~80°C • Suitable medium: water

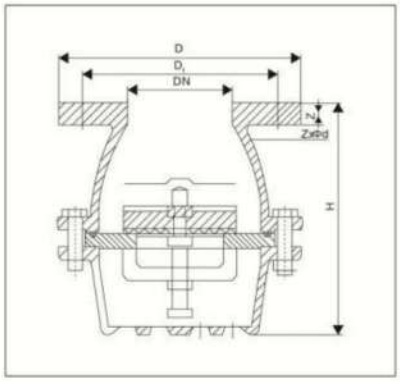
Dimensions

DN	L	Φ	Φ1	Φ2	NxΦ3
50	203	99	125	165	4xΦ19
65	216	118	145	185	4xΦ19
80	241	132	160	200	8xΦ19
100	292	156	180	220	8xΦ19
125	330	184	210	250	8xΦ19
150	356	211	240	285	8xΦ23
200	458	266	295	340	12xΦ23
250	530	319	355	405	12xΦ28

SW VALVE
SAMWOO VALVE CO., LTD.

10K Foot Valve

SW BRAND



Main parts and materials

Part Name	Material
Body	Cast Iron
Disc	Cast Iron+Rubber
Gasket	NBR
Seat	Cast Iron

Specification

Feature	• Norminal Pressure (mpa): 1.6 • Seal test (water): 0.55-1.6 mpa • Shell test: 2.1 mpa • Suitable temperature: ≤80°C • Suitable medium: Water

Dimensions

DN	D	D1	ZxΦd	H	T
50	Φ155	Φ120	4x-Φ19	162	14
65	Φ175	Φ140	4x-Φ19	167	14
80	Φ185	Φ150	8x-Φ19	177	16
100	Φ210	Φ175	8x-Φ19	206	18
125	Φ250	Φ210	8x-Φ23	256	20
150	Φ280	Φ240	8x-Φ23	302	20
200	Φ330	Φ290	12x-Φ23	325	22
250	Φ397	Φ355	12x-Φ25	400	22
300	Φ490	Φ400	16x-Φ25	445	22

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 OS Automatic Air Valve

SW BRAND

Main parts and materials

Part Name	Material
Body	Brass
Pring	304
Sroon	304
Bonnet	Brass
Spool	Brass

Specification

Feature	• Working pressure (mpa): 16 • Shell test: 2.4 mpa • Seal test: 0.6 mpa • Suitable temperature: -20-20°C • Suitable medium: Water, non-corrosive liquid, air

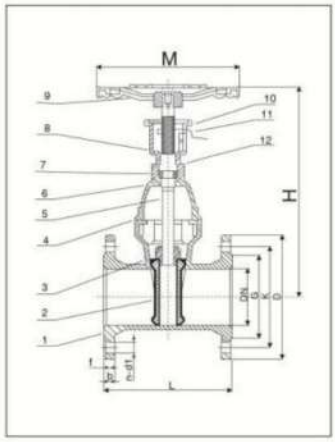
Dimensions

DN	R	L	H
15	1/2"	47	73.5
20	3/4"	47	73.5
25	1"	47	75

SW VALVE
SAMWOO VALVE CO., LTD.

Signal Control Non Rising Stem Risilient Seated Gate Vavel

SW BRAND



Dain part and materials

Part Name	Material
Body	Ductile Iron
Bonnet	Ductile Iron
Stem	2CR13
Disc	EPDM

Specification

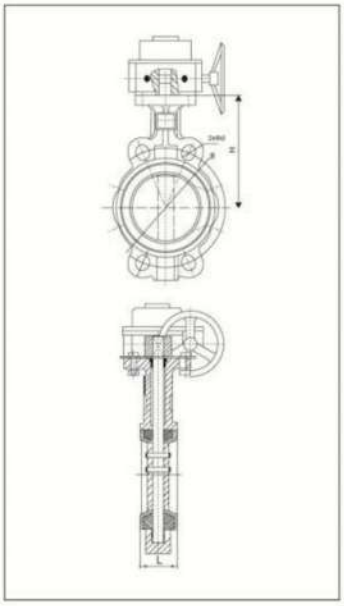
Basic standad	• Face to face: EN558-1 • Flange and: EN 1092 • Tost EN 12266 1
Feature	• Norminal Pressure (mpa):1.6 • Seal test: 1.8mpa • Shell test: 2.4 mpa • Suitable temperature: ≤200°C • Suitable medium: Water vapour oil

DN	CB/t 12221	D		K		n-Φd1		b	G		f	H	M
	L	PN10	PN16	PN10	PN16	PN10	PN16	PN10 PN16	PN10	PN16			
50	178	165		125		4-Φ19		19	99		3	270	Φ200
65	190	185		145		4-Φ19		19	118		3	300	Φ200
80	203	200		160		8-Φ19		19	132		3	325	Φ200
100	229	220		180		8-Φ19		19	156		3	375	Φ254
125	254	250		210		8-Φ19		19	184		3	420	Φ254
150	267	285		240		8-Φ23		19	211		3	465	Φ254
200	292	340		295		8-Φ23	12-Φ23	20	266		3	590	Φ315
250	330	395	405	350	355	12-Φ23	12-Φ28	22	319		3	750	Φ408
300	356	445	460	400	410	12-Φ23	12-Φ28	24.5	370		3	850	Φ408

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 Fire Control Signal Butterfly Valve

SW BRAND



Main parts and materials

Part Name	Material
Body	Cast Iron/Ductile Icon
Disc	Ductile Iron/Stainless steel
Stem	Stainless steel
Seat	EPDM/NBR/PTFE/VITON

Specification

Basic standard	• Connection end: BS4504
Feature	• Norminal Pressure (mpa): 1.0/1.6 • Shell test: 1.5/2.4 mpa • Seal test: 1.1/1.8 mpa • Suitable temperature: ≤80°C • Suitable medium: Water

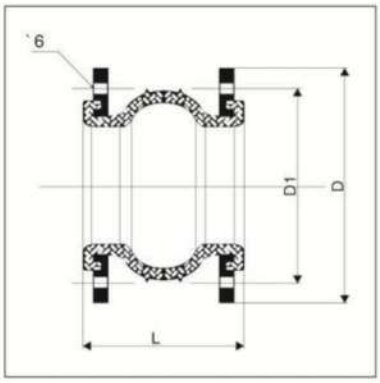
Dimensions

DN	L	Φ		Z-Φd		H
		10	16	10	16	
50	43	Φ125		4-Φ19		121
65	46	Φ145		4-Φ19		130
80	46	Φ160		4-Φ19		151
100	52	Φ180		4-Φ19		169
125	56	Φ210		4-Φ19		188
150	56	Φ240		4-Φ23		200
200	60	Φ295		4-Φ23		241
250	68	Φ350	Φ355	4-Φ23	4-Φ28	275
300	78	Φ400	Φ410	4-Φ23	4-Φ28	314

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 Expansion Joint

SW BRAND



Main parts and materials

Part Name	Material
Body	Polarity Rubber
Skeleton	Hard Steel Wire
Flange	Carbon Steel

Specification

Basic standard	• Flange end: BS 4504 PN10/16 • Inspection: API598
Feature	• Norminal Pressure (mpa): 1.0/1.6 • Explosion Pressure: 3.0/4.8 mpa • Vacuum:53.3/86.7 kpa • Temperature scope: -15-115°C

Dimensions

DN	L	D	N-Φ	D1
50	105	165	4-18	125
65	115	185	4-18	145
80	130	200	8-18	160
100	135	220	8-18	180
125	170	250	8-18	210
150	180	285	8-22	240
200	205	340	8-22	295
250	240	395	12-22	350
300	260	445	12-22	400
350	260	505	16-22	460
400	260	565	16-26	515
450	260	615	20-26	585
500	260	670	20-26	620
600	260	780	20-30	725

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PN10/16 Expansion Joint

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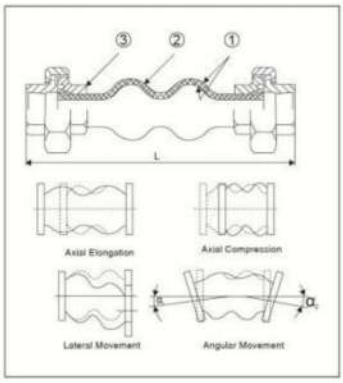


Main part and materials

Part Name	Material
Cover	Polarity Rubber
Carcass	Nylon Cord Fabric
Union Coupling	Malleable Iron

Specification

Basic standad	Union Coupling dimensions are in accordance with ANSI STD., BS std., JIS std..
Feature	• Norminal Pressure (mpa): 1.0/1.6 • Explosion Pressure: 3.0/4.8 mpa • Vacuum: 400mm Hg • Temperrature scope: -15-115°C

Dimensions

DN	L	Axial Compression	Axial Hongation	Laterad Movement	Angular Movement
15	180	22	5-6	22	45°
20	180	22	5-6	22	45°
25	180	22	5-6	22	45°
32	200	22	5-6	22	45°
40	210	22	5-6	22	45°
50	220	22	5-6	22	45°

SW VALVE
SAMWOO VALVE CO., LTD.

PN10/16 OS Automatic Air Valve

SW BRAND

Material Specilication

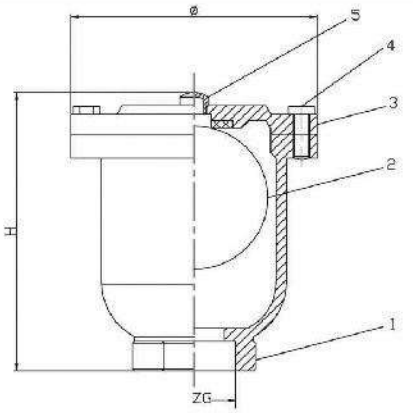
Size : DN15 - DN50
Valves : EXPOXY painted,
Paint color : Blue

Type

Thread single orifices automatic
Single Air Valve
Flage drilled to DIN 2533
EN 1092 - 2/EN 1074-4
T^0: -10^{0}C ~ 85^{0}C

Basic Design Standards

Basic Design	BS5163
Face To Face	BS5163
Thread	BS4504PN16
Testing	BS6755



Technical Data

Nominal Diameter		DN50-DN200	mm
Nominal Pressure		1.6	Mpa
Testing Pressure	Shell test	2.4	
	Sealing test	1.76	

Materials list

Nominal Diameter	Part	Material
1	Body	DI
2	Ball	Stainless steel
3	Bonnet	DI
4	Nut	Carbon steel
5	Vent	Brass

Dimensions Unit:mm

DN	DN15	DN20	DN25	DN40	DN50
H	142	142	142	142	142
Φ	120	120	120	120	120
ZG	1/2"	3/4"	1"	1 1/2"	2"

Water Works Valve Installation Procedures

1) Install the valve at the designed Place, position and method.

2) Prepare sufficient room for valve operation after checking working condition and any obstacles in work place.

3) Check if the flow indicatiog arrow(→) of valve body is conforming to the pipe required direction and check the valve according to the pipe installation specification.

4) Deatach the protection cover of the valve flange and remove any foreign particles.

5) Clearing any dust and deposited outside debris of connection parts of the pipe.

6) Prepare more sufficient room when use the new pipeline.

7) Don't disassemble any parts of the valve like actuator or gear box. If the disassemble work of the valve parts is needed, please contact with our technical department.

8) - Preparing enough room for installation,
- Leave a space between pipe flange,
- Attaching the flange gasket,
- Lifting the valve by the center of the valve,
- Keeping the valve vertical,
- Tightening the flange bolt as vertical and horizontal to flange.

9) Tightening the flange bolt regarding the below.
Tightening the bolt with adequate torque to prevent leakage.

10) After installation, check the leakage in the connection parts of flange and packing seal at the full open position and then check the same parts at the full close position.

11) If there is any leakage at the connection parts, please tighten the flange bolt with adequate torque. If there is leakage in the packing seal, tighten the gland bolt.

12) Should you have any kind of further questions, please kindly contact with our company

Specification and design are subject to change without notice

SW VALVE
SAMWOO VALVE CO., LTD.

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