All kind of potable, salt water, Sewerage valve

BSEN1074-1&2, BS5163-1&2
BSEN1171, BSEN593
BSEN12334

SINOTEC

Yantai Valve Factory

Address: No.29, Chenguang Rd., Fushan District, Yantai, China

Sole Agent: Essential Trading Co., Ltd

Address: 15/F., Toi Shan Centre,128 Johnston Road, Wanchai, HongKong
Tel: 28339906
Fax: 28385587
E-mail: essenthk@essential.imsbiz.com.hk

Company Profile

Yantai Valve Factory is located at No.29 Chenguang Road, Menlou Industrial Park, Fushan district, Yantai. Lying 30 kilometers west to the airport and 20 kilometers from the railway, the facility provides 32,000㎡ built up area on 80,000 ㎡ land for an integral production process starts with physical and chemical analysis of raw material using advanced instruments, continues through casting, machining and surfacing, assembly, testing and storage.

Over past 50 years of manufacture, our 400 staff including 20 highly-experienced technicians and engineers have followed our Principle: Produce high quality valves, win the customer's trust. Our product range covers middle and low pressure gate valves, globe valves, check valves, ball valves, butterfly valves, air release valves and strainers in compliance with GB, MSS SP-70/SP-71/SP-85, DIN3352, DIN3356, BS5150, BS5153, BS5163, BSEN1171, BSEN1074, BSEN593 and etc. which hold good reputation and sell well in more than 50 countries and regions including America, Europe, Middle-East, Japan, Hong Kong, South-East Asia.

Our factory operations are certified to ISO 9001, the international standard for design and manufacturing control and the Pressure Equipment directive(PED)97/23/EC. We strive to offer products of uncompromising quality and meet our customer's requirements.

Registration No.: 07621Q9240R3M-SD/001

QUALITY MANAGEMENT SYSTEM CERTIFICATE

The certificate information is available on the CNCA of the official website (www.cnca.gov.cn)

This is to certify that the quality management system of

YanTai Valve Factory

Uniform Code of Social Credit: 91370611165164265?

Reg Add: No.29,Chenguang Road,Menlou Industrial Park,Fushan District, Yantai City

Business Add: No.29,Chenguang Road,Menlou Industrial Park,Fushan District, Yantai City,Shandong

Which is in conformity with

GB/T19001-2016/ISO9001:2015

This certificate covers the following scope of

Production and sales of low-pressure gate valves, globe valves, check valves, and exhaust valves (except products that involve licensing requirements)

This certificate will not remain valid unless and until the certified customers accepts at least once surveillance audit annually within the validity period of the certificate.Please login into **www.zrxbj.com** for this certificate's validity status.

Issue Date: 10. 28. 2021 **Expiration Date:** 11. 23. 2024

Beijing ZhongRunXing Certification Co., Ltd.

No. 8[illegible] Building No. 12 Tu Cheng Road East, Be[illegible], Beijing

Issued by: XR Zhang

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C076-M

证书查询

水務署
Water Supplies Department

總部 Headquarters
香港灣仔告士打道七號入境事務大樓 46樓
46/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

(6) in WSD 3321/19 T/(465/2019)
2824 0578

2 August 2019

Essential Trading Company Limited
15/F., Toi Shan Centre, 128 Johnston Road,
Wan Chai, Hong Kong

(Attn.: Mr David WOO)

Dear Sir,

Approval of "SINOTEC" Gate Valves
(General Acceptance No. C20190397)

Your submission dated 15 May 2019 and subsequent submission received by this department on 19 July 2019 refer.

Having considered the test report ref. PMA92140A issued on 8 July 2019 by ETS-Testconsult Ltd. and WRAS certificate, this Authority accepts that the fittings described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Yantai Valve Factory

Country of Origin: the Mainland of China

Brand: Sinotec

Details of Fittings: Ductile iron resilient seated gate valve with epoxy powder coating under WRAS approval no. 1701509

Model: BZ45X-16B

Size: 80mm, 100mm, 150mm, 200mm, 250mm, 300mm

2

Body Markings: SINOTEC BS5163-1 EN1074-2 2018
Size in DN PN16 SG RES

Expiry Date: 31 January 2022

This Authority hereby permits the use of the above fittings in fresh water plumbing systems and fresh water fire services systems subject to full adherence to Waterworks installation requirements.

A condition of this acceptance is that the fittings to be installed shall be replicas of the samples as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fittings installed fail to meet that of the approved samples or if the fittings are found to be unsuitable for use in the water supply systems mentioned above.

For the use of the fittings in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the fittings by this Authority.

Should you have any enquiries, please contact our Engineer Mr. Terry KUNG at tel. no. 3583 4086.

Yours faithfully,

(CHAN Chung-kun)
for Director of Water Supplies

Encl.

c.c. WSD 3321/1/82] - without catalogue
ME/MC] - with soft copy only

General Acceptance No. C20190397

水務署
Water Supplies Department

總部 Headquarters
香港灣仔告士打道七號入境事務大樓 46樓
46/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

(4) in WSD 3321/19 T/(1177/2019)
2824 0578

18 February 2020

Essential Trading Company Limited
15/F., Toi Shan Centre, 128 Johnston Road,
Wan Chai, Hong Kong

(Attn.: Mr David WOO)

Dear Sir,

Approval of "SINOTEC" Gate Valves
(General Acceptance No. C20200095)

Your letters ref. 1252/2019 and 107/2020 dated 16 December 2019 and 3 January 2020 respectively refer.

Having considered the test report ref. PMA95205A issued on 30 December 2019 by ETS-Testconsult Ltd. and WRAS certificate, this Authority accepts that the fittings described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Yantai Valve Factory

Country of Origin: the Mainland of China

Brand: Sinotec

Details of Fittings: Ductile iron metal seated gate valve with epoxy powder coating under WRAS approval no. 1701509

Model and Size: 1B45T-16 - 80mm, 100mm, 150mm, 200mm, 250mm, 300mm

2B45T-16 - 400mm, 450mm, 600mm

Body Markings: SINOTEC BS5163-1 EN1074-2
Size in DN PN16 SG CT

2

Expiry Date: 31 January 2022

This Authority hereby permits the use of the above fittings in fresh water plumbing systems and fresh water fire services systems subject to full adherence to Waterworks installation requirements.

A condition of this acceptance is that the fittings to be installed shall be replicas of the samples as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fittings installed fail to meet that of the approved samples or if the fittings are found to be unsuitable for use in the water supply systems mentioned above.

For the use of the fittings in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the fittings by this Authority.

Should you have any enquiries, please contact our Engineer Mr. Terry KUNG at tel. no. 3583 4086.

Yours faithfully,

(CHAN Chung-kun)
for Director of Water Supplies

Encl.

c.c. WSD 3321/1/82] - without catalogue
ME/MC] - with soft copy only

General Acceptance No. C20200095

Approval Number: 2008501
Test Report: J-00358194

WRAS APPROVED MATERIAL

Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

18th March 2020

QingDao MeiHeng Powder Coatings Co. Ltd.
QianTian Industrial Park,
ChengYang District,
QingDao,
ShanDong,
China

WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)
CONSECUTIVE MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

COATINGS, PAINTS & LININGS - FACTORY APPLIED PIPE & FITTINGS COATINGS. **5030**

'M-AC010'. Factory applied, blue coloured epoxy powder coating. Apply and cure as per manufacturer's user manual 'rev. 2.0' dated 12/03/2019. For use with water up to 85°C.

APPROVAL NUMBER: 2008501
APPROVAL HOLDER: QINGDAO MEIHENG POWDER COATINGS CO. LTD.

This is a re-approval of 1507534 which is valid between July 2015 and July 2020.

The Scheme reserves the right to review approval.
Approval 2008501 is valid between August 2020 and August 2025

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wras.co.uk/directory

Yours faithfully

Jason Furnival
Approvals & Enquiries Manager
Water Regulations Advisory Scheme

SMALL DIAMETER GATE VALVE
DN50 - DN300, PN10 / 16 / 25

This series of gate valve is installed in pipeline as closed-circuit equipment and suitable water.
Suitable temperature ≤ 80℃

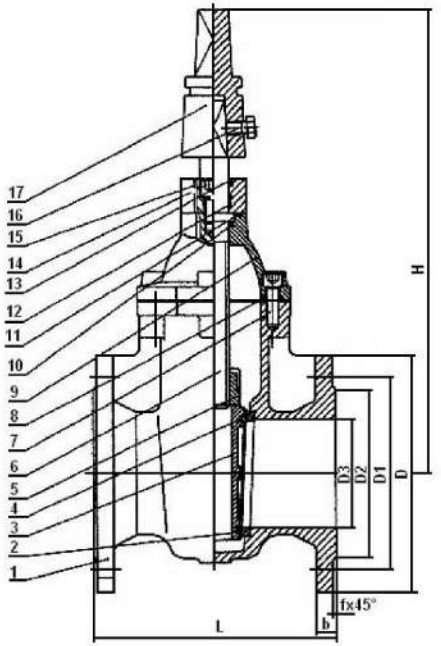
Features:

- Double Flange Metal Seated Gate Valve
- Non-Rising Stem
- Size range DN50-300mm
- Standard - BSEN1074-1&2/BS5163-1&2
- Tests Standard - BS EN 12266-1
- Body - Ductile Iron / Stainless Steel
- Disc - Ductile Iron / Stainless Steel
- Body Ring - SS316 / gunmetal
- Disc Ring - Bronze / gunmetal / EPDM
- Stem - Stainless Steel SS431 / SS316
- Fusion bonded epoxy coating - Min 250μm Microns

Options:

- Square cap
- Hand wheel

The designs, material and specifications shown are subject to change without notice due to our continuing programme of product development



SCOPE OF APPLICATION

Nominal Pressure	1.6 Mpa
Shell Test Pressure	2.4 MPa
Seat Test Pressure	1.76 MPa
Suitable Medium	Fresh Water & Treated Effluent
Suitable Temperature	<80°C

DESCRIPTION

1. 1845T-16 conforms to BS5163 Type B/ BSEN1074-1, 2/BS5163-1, 2:2004.
2. Face to face dimensions conforms to BS5163- .
3. Flanges drilled to BS4504, PN16/BSEN1092-2.
4. Internal & external coating:
   250 micron Fusion Bond Epoxy Coated to BS6920 & WIS-4-52-01.

DIMENSIONS - MILLIMETERS

DN	L	D	D1	D2	b	f	n-d	H
80	203	200	160	132	19	3	8-19	397
100	229	220	180	156	19	3	8-19	432
150	267	285	240	211	19	3	8-23	534
200	292	340	295	266	20	3	12-23	614.5
250	330	400	355	319	22	3	12-28	696
300	356	455	410	370	24.5	4	12-28	782

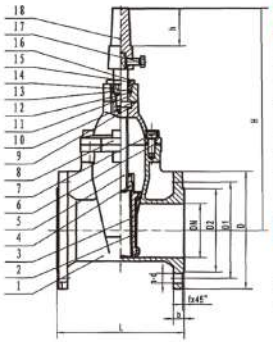
MATERIAL LIST

NO.	Part	Material	BSEN Standard
1	Body	SG Cast Iron (Ductile Iron)	BSEN1563-EN-GJS-500-7
2	Body Seat Ring	Gunmetal	BSEN1982-CC491K
3	Disc	SG Cast Iron (Ductile Iron)	BSEN1563-EN-GJS-500-7
4	Disc Seat Ring	Gunmetal	BSEN1982-CC491K
5	Spindle Nut	Bronze	BSEN1982-CC331G
6	Spindle	Stainless Steel	BSEN10088-1-1.4057
7	Bonnet Screw	Stainless Steel	BSEN ISO3506-1 A2
8	Bonnet Gasket	NBR	BSEN681-1 Type WA
9	Bonnet	SG Cast Iron	BSEN1563-EN-GJS-500-7
10	Washer	Gunmetal	BSEN1982-CC491K
11	O-Ring	NBR	BSEN681-1 Type WA
12	O-Ring	NBR	BSEN681-1 Type WA
13	Dust Proof Cover	NBR	BSEN681-1 Type WA
14	Stuffing Box Screw	Stainless Steel	BSEN ISO3506-1 A2
15	Stuffing Box	SG Cast Iron	BSEN1563-EN-GJS-500-7
16	Cap Bolt	Stainless Steel	BSEN ISO3506-1 A2
17	Spindle Cap	SG Cast Iron	BSEN1561-EN-GJL-250

Resilient seat Gate valve BZ45X-16B
DN50 - DN300, PN10 / 16 / 25

SCOPE OF APPLICATION

Nominal Pressure	1.6 Mpa
Shell Test Pressure	2.4 MPa
Seat Test Pressure	1.76 MPa
Suitable Medium	Fresh & Treated Effluent
Suitable Temperature	< 80℃



DIMENSIONS - MILLIMETERS

DN	L	D	D1	D2	b	f	n-d	h	H
50	178	165	125	99	19	3	4-19	63	325
80	203	200	160	132	19	3	8-19	63	387
100	229	220	180	156	19	3	8-19	63	406
150	267	285	240	211	19	3	8-23	63	478
200	292	340	295	266	20	3	12-23	63	587
250	330	400	355	319	22	3	12-28	63	673
300	356	455	410	370	24.5	4	12-28	63	760

DESCRIPTION

1. BZ45X-16B conforms to BS5163
   Type B/BSEN1074-1, 2/BS5163-1, 2:2004.
2. Face to face dimensions conforms to BS5163-1.
3. Flanges drilled to BS4504, PN16/BSEN1092-2.
4. Internal & external coating:
   250 micron Fusion Bond Epoxy Coated to BS6920.

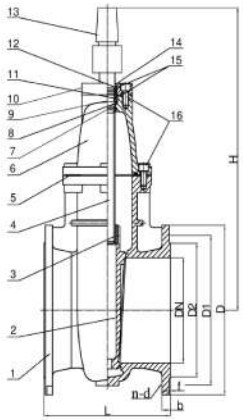
MATERIAL LIST

NO.	Part	Material	British Standard	BSEN Standard
1	Body	SG Cast Iron (Ductile Iron)	BS2789 Gr500/7	BSEN1563-EN-GJS-500-7
2	Wedge Seat	EPDM Rubber	BS2494 Type W	BSEN681-1 Type WA
3	Disc	SG Cast Iron (Ductile Iron)	BS2789 Gr500/7	BSEN1563-EN-GJS-500-7
4	Spindle Nut	Bronze	BS1400 AB1	BSEN1982-CC331G
5	Spindle	Stainless Steel	BS970 431S29	BSEN10088-1-1.4057
6	Gasket	NBR	BS2494 Type W	BSEN681-1 Type WA
7	Bonnet Screw	Stainless Steel	SS304	BSEN ISO 3506-1 A2
8	Bonnet	SG Cast Iron (Ductile Iron)	BS2789 Gr500/7	BSEN1563-EN-GJS-500-7
9	Washer	Gunmetal	BS1400 LG2	BSEN1982-CC491K
10	O-Ring	NBR	BS2494 Type W	BSEN681-1 Type WA
11	Stuffing Box	SG Cast Iron (Ductile Iron)	BS2789 Gr500/7	BSEN1563-EN-GJS-500-7
12	O-Ring	NBR	BS2494 Type W	BSEN681-1 Type WA
13	O-Ring	NBR	BS2494 Type W	BSEN681-1 Type WA
14	Stuffing Box Screw	Stainless Steel	SS304	BSEN ISO 3506-1 A2
15	Dust Proof Cover	NBR	BS2494 Type W	BSEN681-1 Type WA
16	Sleeve Nut	Gunmetal	BS1400 LG2	BSEN1982-CC491K
17	Cap Bolt	Stainless Steel	SS304	BSEN ISO 3506-1 A2
18	Spindle Cap	Grey Cast Iron	BS1452 Gr250	BSEN1561-EN-GJL-250

SS316 Gate valve BZ45X-16SS
DN50 - DN300, PN10 / 16 / 25

SCOPE OF APPLICATION

Nominal Pressure	1.6 Mpa
Shell Test Pressure	2.4 MPa
Seat Test Pressure	1.76 MPa
Suitable Medium	Salt Water
Suitable Temperature	≤80°C



DIMENSIONS – MILLMETERS

DN	PN (Mpa)	L	D	D1	D2	b	f	n-d	H
150	1.6	267	285	240	212	22	3	8-Φ22	528
200	1.6	292	340	295	268	24	3	12-Φ22	621
250	1.6	330	405	355	320	26	3	12-Φ26	700
300	1.6	356	460	410	378	28	4	12-Φ26	815
400	1.6	406	580	525	490	32	4	16-Φ30	1495
450	1.6	432	640	585	548	34	4	20-Φ30	1659
600	1.6	508	840	770	725	40	5	20-Φ36	1835

DESCRIPTION

1. BZ45X-16SS conforms to BS5163
   Type B/BSEN1074-1, 2/BS5163-1, 2:2004.
2. Face to face dimensions conforms to BS5163-1.
3. Flanges drilled to BS4504, PN16/BSEN1092-2.

MATERIAL LIST

NO.	Part	Material
1	Body	Stainless Steel SS316
2	Gate	Stainless Steel SS316
3	Spindle Nut	Aluminum Bronze AB2
4	Spindle	Stainless Steel SS316
5	Gasket	EPDM
6	Bonnet	Stainless Steel SS316
7	Bush	Aluminum Bronze AB2
8	Back Seat	EPDM
9	Washer	Stainless Steel SS316
10	Gland	Stainless Steel SS316
11	Spindle Collar	Aluminum Bronze AB2
12	Bush	Aluminum Bronze AB2
13	Cap Top	Ductile Iron EN-GJS 500-7
14	Dust-Proof Cover	EPDM
15	O-Ring	EPDM
16	Bolts	Stainless Steel SS316

METAL SEATED GATE VALVE
DN400 - DN600, PN10 / 16 / 25

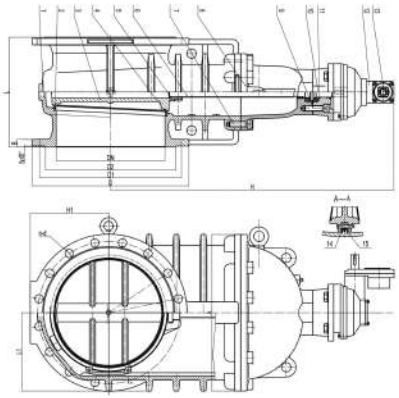
This series of gate valve are installed in pipeline as closed-circuit equipment and suitable water.
Suitable temperature ≤ 80℃

Features:

- Double Flange Metal Seated Gate Valve
- Size range DN400-600mm
- Standard - BSEN1074-1&2/BS5163-1&2
- Tests Standard - BS EN 12266-1
- Body - Ductile Iron / Stainless Steel
- Disc - Ductile Iron / Stainless Steel
- Body Ring - SS316 / gumetal
- Disc Ring - SS316 / gumetal / EPDM
- Stem - Stainless Steel SS431 / SS316
- Fusion bonded epoxy coating - Min 250μm Microns

Options:

- Electric Actuator
- Non-Rising Stem gate valve



MATERIALS OF CONSTRUCTION	
No.	Part Name
1	Body seal ring
2	Gate seal ring
3	Body
4	Gate
5	Stem nut
6	Stem
7	Stem collar
8	O-ring
9	Support
10	Bonnet
11	Bearing
12	Gearbox

SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80
Suitable medium		Water

TECHNICAL REQUIREMENT

1. Design standard: BS 5163.
2. Face to face: BS 5163.
3. Flanges standard: BS EN1092-2:1997 PN16.
4. Tests standard: BS EN12266-1 Rate B.

DN (mm)	PN (Mpa)	L	D	D1	D2	b	f	n-d	A	L1	H1	H2
600	1.6	508	Ø840	Ø770	Ø720	36	5	20-Ø37	850	430	430	1428
500	1.6	457	Ø715	Ø650	Ø609	31.5	4	20-Ø34	730	370	370	1259
450	1.6	432	Ø640	Ø585	Ø548	30	4	20-Ø31	680	330	330	1180
400	1.6	406	Ø580	Ø525	Ø480	28	4	16-Ø31	606	300	300	1068
350	1.6	381	Ø520	Ø470	Ø429	26.5	4	16-Ø28	546	270	270	976

LARGE DIAMETER METAL SEATED GATE VALVE
DN700 - DN2000, PN10 / 16 / 25

This series of gate valve are installed in pipeline as closed-circuit equipment and suitable water.
Suitable temperature ≤ 80℃

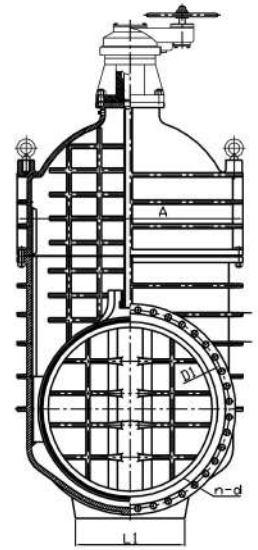
Features:

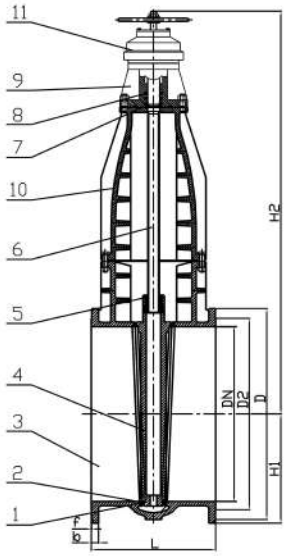
- Double Flange Metal Seated Gate Valve
- Size range DN700-2000mm
- Standard - BS EN1074-1&2/BS5163-1&2
- Tests Standard - BS EN 12266-1
- Body - Ductile Iron / Stainless Steel
- Disc - Ductile Iron / Stainless Steel
- Body Ring - Bronze / SS316 / Gunmetal
- Disc Ring - Bronze / SS316 / Gunmetal
- Stem - Stainless Steel SS420 / SS431 / SS316
- Fusion bonded epoxy coating - Min 250μm Microns

Options:

- Hand wheel
- Bevel or spur gearbox
- Electric Actuator
- Non-Rising or Rising gate valve
- By-pass gate valve

The designs, material and specifications shown are subject to change without notice due to our continuing programme of product development





SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		≤80
Suitable medium		Water

TECHNICAL REQUIREMENT

1. Design standard: BS 5163.
2. Face to face: BS 5163.
3. Flanges standard: BS EN1092-2:1997 PN16.
4. Tests standard: BS EN12266-1 Rate B .

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Body seal ring
2	Gate seal ring
3	Body
4	Gate
5	Stem nut
6	Stem
7	Stem collar
8	O-ring
9	Support
10	Bonnet
11	Gearbox

DN	PN	L	D	D1	D2	b	f	n-d	A	L1	H1	H2
1600	1.6	1140	Ø1930	Ø1820	Ø1750	65	5	40-Ø57	2065	1000	1000	3440
1500		1140	Ø1820	Ø1710	Ø1640	62.5	5	36-Ø57	1960	1010	940	3260
1400		960	Ø1685	Ø1590	Ø1530	60	5	36-Ø50	1860	870	870	3040
1300		850	Ø1585	Ø1490	Ø1429	58	5	32-Ø50	1760	850	820	2845
1200		960	Ø1485	Ø1390	Ø1328	57	5	32-Ø50	1625	825	825	2670
1100		811	Ø1355	Ø1270	Ø1218	53.5	5	32-Ø44	1540	750	720	2545
1000		811	Ø1255	Ø1170	Ø1112	50	5	28-Ø44	1448	680	680	2380
900		711	Ø1125	Ø1050	Ø1001	46.5	5	28-Ø41	1423	600	645	2120
800		660	Ø1025	Ø950	Ø901	43	5	24-Ø41	1242	540	540	1941
700		610	Ø910	Ø840	Ø794	39.5	5	24-Ø37	1156	495	495	1792

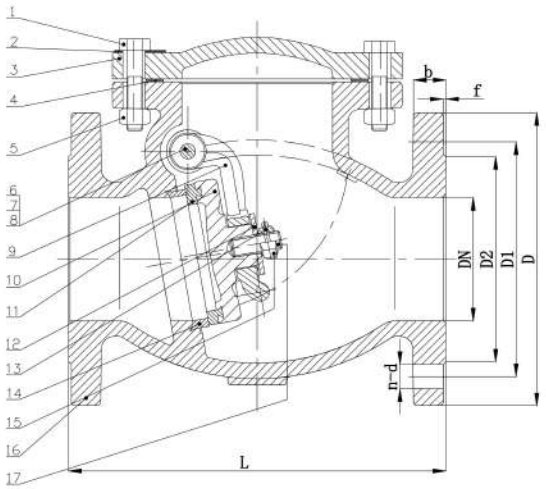
SMALL DIAMETER CHECK VALVE
DN50 - DN300, PN10 / 16 / 25

This series of check valve is installed on pipeline of pump outlet for prevent the media reflow and the pressure rise overlarge(water hammer) which caused by reflow closing.
Suitable temperature ≤ 80℃

Features:

- Double Flange Small Diameter Metal Seated & Resilient Check Valve
- Size range DN50-300mm
- Standard - BS EN 12334
- Tests Standard - BS EN 12266-1
- Body - Ductile Iron
- Disc - Ductile Iron
- Body Ring - Gunmetal
- Disc Ring - Gunmetal
- Stem - Stainless Steel SS420 / SS431 / SS316
- Fusion bonded epoxy coating - Min 300 Microns

The designs, material and specifications shown are subject to change without notice due to our continuing programme of product development



SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

TECHNICAL REQUIREMENT

1. Design standard: BSEN 12334.
2. Face to face: BS 5153.
3. Flanges standard: BS EN1092-2:1997 PN16.
4. Tests standard: BS EN 12266-1:2003 RateB.

DN	PN (bar)	L	D	D1	D2	b	f	n-d
300	1.6	698	Ø460	Ø410	Ø370	32	4	12-⌀28
250	1.6	622	Ø405	Ø355	Ø319	32	3	12-⌀28
200	1.6	495	Ø340	Ø295	Ø266	30	3	12-⌀23
150	1.6	356	Ø285	Ø240	Ø211	26	3	8-⌀23
125	1.6	330	Ø250	Ø210	Ø184	26	3	8-⌀19
100	1.6	292	Ø220	Ø180	Ø156	24	3	8-⌀19
80	1.6	241	Ø200	Ø160	Ø132	22	3	8-⌀19
65	1.6	216	Ø185	Ø145	Ø118	20	3	4-⌀19
50	1.6	203	Ø165	Ø125	Ø99	20	3	4-⌀19

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Bolts
2	Name Plate
3	Bonnet
4	Body Gasket
5	Nuts
6	Hinge Pin Plug
7	Gasket
8	Hinge Pin
9	Hinge
10	Disc
11	Disc Ring
12	Washer
13	Split Pin
14	Seat Ring
15	Nuts
16	Body
17	Bolts

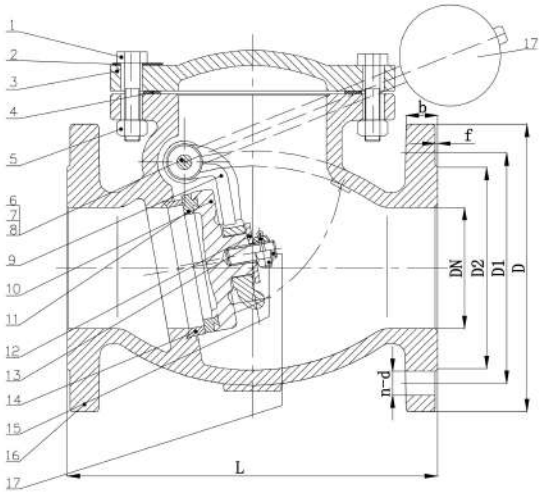
SMALL DIAMETER CHECK VALVE
DN50 - DN300, PN10 / 16 / 25

This series of check valve is installed on pipeline of pump outlet for prevent the media reflow and the pressure rise overlarge(water hammer) which caused by reflow closing.
Suitable temperature ≤ 80℃

Features:

- Double Flange Small Diameter Metal Seated & Resilient Check Valve
- Size range DN50-300mm
- With lever & weight
- Standard - ISO / BS / DIN / AWWA / API
- Tests Standard - BS EN 12266-1
- Body - Ductile Iron / Cast Iron / Stainless Steel / WCB
- Disc - Ductile Iron / Cast Iron / Stainless Steel / WCB
- Body Ring - Bronze / SS420 / SS304 / SS316
- Disc Ring - Bronze / SS420 / SS304 / SS316 / EPDM
- Stem - Stainless Steel SS420 / SS431 / SS316
- Fusion bonded epoxy coating - Min 300 Microns

The designs, material and specifications shown are subject to change without notice due to our continuing programme of product development



SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

TECHNICAL REQUIREMENT

1. Design standard: BSEN 12334.
2. Face to face: BS 5153.
3. Flanges standard: BS EN1092-2:1997 PN16.
4. Tests standard: BS EN 12266-1:2003 Rate B.

DN	PN (Bar)	L	D	D1	D2	b	f	n-d
300	1.6	698	Ø460	Ø410	Ø370	32	4	12-⌀28
250	1.6	622	Ø405	Ø355	Ø319	32	3	12-⌀28
200	1.6	495	Ø340	Ø295	Ø266	30	3	12-⌀23
150	1.6	356	Ø285	Ø240	Ø211	26	3	8-⌀23
125	1.6	330	Ø250	Ø210	Ø184	26	3	8-⌀19
100	1.6	292	Ø220	Ø180	Ø156	24	3	8-⌀19
80	1.6	241	Ø200	Ø160	Ø132	22	3	8-⌀19
65	1.6	216	Ø185	Ø145	Ø118	20	3	4-⌀19
50	1.6	203	Ø165	Ø125	Ø99	20	3	4-⌀19

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Bolts
2	Name Plate
3	Bonnet
4	Body Gasket
5	Nuts
6	Hinge Pin Plug
7	Gasket
8	Hinge Pin
9	Hinge
10	Disc
11	Disc Ring
12	Washer
13	Split Pin
14	Seat Ring
15	Nuts
16	Body
17	Bolts

LARGE DIAMETER CHECK VALVE
DN300 - DN1600, PN10 / 16 / 25

This series of check valves are installed on pipeline of pump outlet for prevent the media reflow and the pressure rise overlarge(water hammer) which caused by reflow closing.
Suitable temperature ≤ 80℃

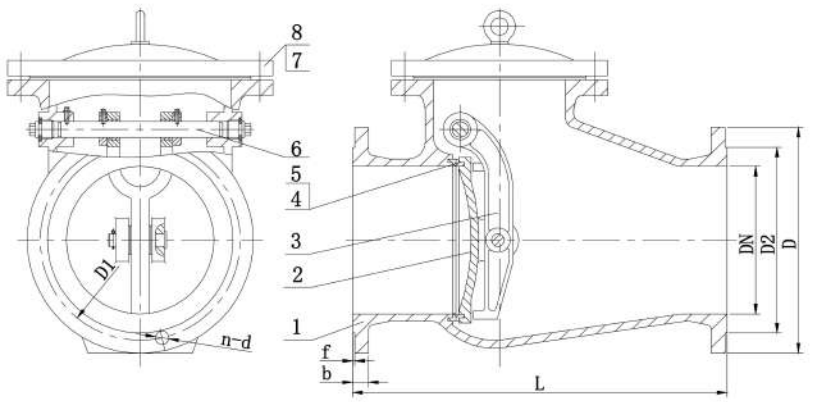
Features:

- Double Flange Metal Seated & Resilient Seated Check Valve
- Size range DN300-1600mm
- Standard - ISO / BS / DIN / AWWA / API
- Tests Standard - BS EN 12266-1
- Body - Ductile Iron / Cast Iron / Stainless Steel / WCB
- Disc - Ductile Iron / Cast Iron / Stainless Steel / WCB
- Body Ring - Bronze / SS420 / SS304 / SS316
- Disc Ring - Bronze / SS420 / SS304 / SS316 / EPDM
- Stem - Stainless Steel SS420 / SS431 / SS316
- Fusion bonded epoxy coating - Min 300 Microns

Options:

- With lever & weight
- With protective cover
- With By-pass
- With hydraulic damper check valve
- Resilient seated check valve
- Flap check valve
- DN300-600 single door check valve
- DN700-1600 multiple door check valve

The designs, material and specifications shown are subject to change without notice due to our continuing programme of product development



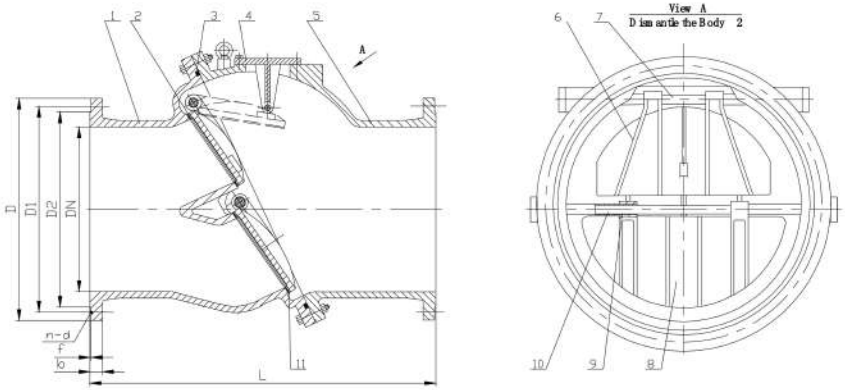
SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

TECHNICAL REQUIREMENT

1. Face to face standard: BS 5153.
2. Flanges standard: BS EN1092-2:1997 PN16.
3.Tests standard: BS EN 12266-1:2003 Rate B.

MATERIALS OF CONSTRUCTION	
No.	Part Name
1	Body
2	Disc
3	Rocker
4	Disc sealing ring
5	Body sealing ring
6	Shaft
7	Bonnet
8	Gasket

DN	PN (Mpa)	L	D	D1	D2	b	f	n-d
600	1.6	1219	Ø840	Ø770	Ø720	36	5	20-Ø37
500		1067	Ø715	Ø650	Ø609	31.5	4	20-Ø34
450		965	Ø640	Ø585	Ø548	30	4	20-Ø31
400		914	Ø580	Ø525	Ø480	28	4	16-Ø31
350		787	Ø520	Ø470	Ø429	26.5	4	16-Ø28
300		698	Ø460	Ø410	Ø370	24.5	4	12-Ø28



SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

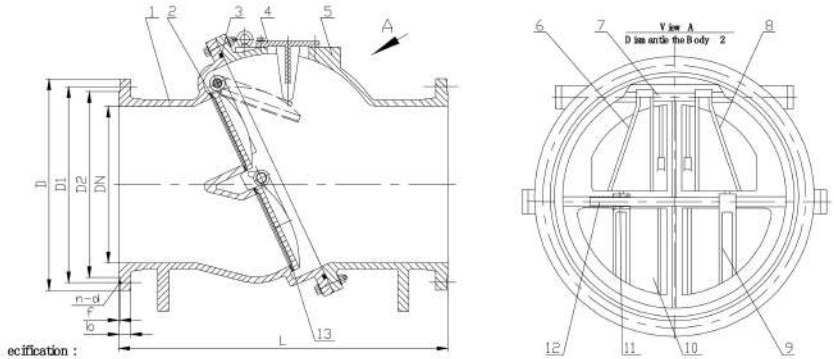
TECHNICAL REQUIREMENT

1. Flanges standard: BS EN1092-2:1997 PN16.
2.Tests standard: BS EN 12266-1:2003 Rate B.

DN (mm)	PN (Mpa)	L	D	D1	D2	b	f	n-d
900	1.6	1900	Ø1125	Ø1050	Ø1001	46.5	5	28-Ø41
800	1.6	1700	Ø1025	Ø950	Ø901	43	5	24-Ø41
700	1.6	1500	Ø910	Ø840	Ø794	39.5	5	24-Ø37

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Body(1)
2	Sealing ring(1)
3	O-ring
4	Positive position cover
5	Body(2)
6	Disc(1)
7	Shaft(1)
8	Disc(2)
9	Bush
10	Shaft(2)
11	Sealing ring(2)



SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

TECHNICAL REQUIREMENT

1. Flanges standard: BS EN1092-2:1997 PN16.
2.Tests standard: BS EN 12266-1:2003 Rate B.

DN (mm)	PN (Mpa)	L	D	D1	D2	b	f	n-d
1600	1.6	2000	Ø1930	Ø1820	Ø1750	65	5	40-Ø57
1500	1.6	1900	Ø1820	Ø1710	Ø1640	62.5	5	36-Ø57
1400	1.6	1800	Ø1685	Ø1590	Ø1530	60	5	36-Ø50
1300	1.6	1800	Ø1585	Ø1490	Ø1430	60	5	32-Ø50
1200	1.6	1700	Ø1485	Ø1390	Ø1328	57	5	32-Ø50
1100	1.6	1600	Ø1355	Ø1270	Ø1218	53.5	5	32-Ø44
1000	1.6	1510	Ø1255	Ø1170	Ø1112	50	5	28-Ø44

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Body(1)
2	Sealing ring(1)
3	O-ring
4	Positive position cover
5	Body(2)
6	Disc(1)
7	Shaft(1)
8	Disc(2)
9	Disc(3)
10	Disc(4)
11	Bush
12	Shaft(2)
13	Sealing ring(2)

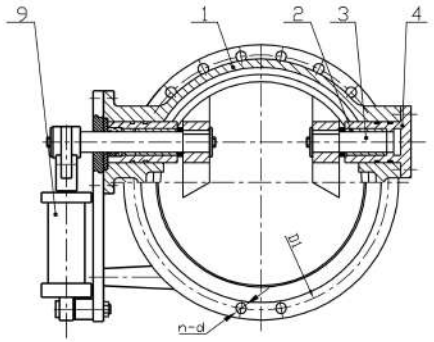
TILTING CHECK VALVE (BUTTERFLY CHECK VALVE)
DN100 - DN1200, PN10 / 16 / 25

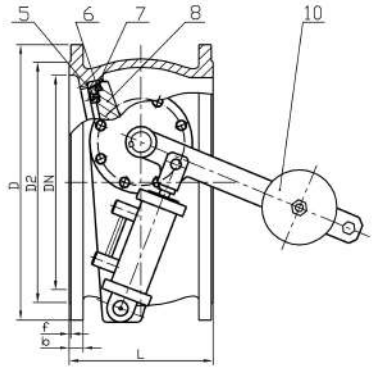
This series tilting check valves are suitable to be used at the exit of the pump whose medium is water. It is used to prevent or reduce medium back from water hammer. So it can protect the pipeline system.
Suitable temperature ≤ 80℃

Features:

- Double Flange Tilting Check Valve With Hydraulic damper
- Size range DN100-1200mm
- Standard - ISO / BS / DIN / AWWA / API
- Tests Standard - BS EN 12266-1
- Body - Ductile Iron / Cast Iron / Stainless Steel / WCB
- Disc - Ductile Iron / Cast Iron / Stainless Steel / WCB
- Body Ring - SS420 / SS304 / SS316
- Retaining Ring - SS420 / SS304 / SS316
- Disc Ring - EPDM
- Shaft - SS420 / SS431 / SS316
- Fusion bonded epoxy coating - Min 300 Microns

The designs, material and specifications shown are subject to change without notice due to our continuing programme of product development





SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

TECHNICAL REQUIREMENT

1.Face to face standard: EN 558 Series 14 or Series 13.
2.Flanges standard: BS EN1092-2:1997 PN16.
3.Tests standard: BS EN12266-1:2003 Part 1 Rate A .

MATERIALS OF CONSTRUCTION	
No.	Part Name
1	Body
2	Shaft bushes
3	Shaft
4	Cover
5	Retainer ring
6	Disc sealing ring
7	Body sealing ring
8	Disc
9	Weight

DN (mm)	PN (Bar)	L	D	D1	D2	b	f	n-d
1200	1.6	630	Ø1485	Ø1390	Ø1328	57	5	32-Ø50
1100	1.6	550	Ø1355	Ø1270	Ø1218	53.5	5	32-Ø44
1000	1.6	550	Ø1255	Ø1170	Ø1112	50	5	28-Ø44
900	1.6	510	Ø1125	Ø1050	Ø1001	46.5	5	28-Ø41
800	1.6	470	Ø1025	Ø950	Ø901	43	5	24-Ø41
700	1.6	430	Ø910	Ø840	Ø794	39.5	5	24-Ø37
600	1.6	390	Ø840	Ø770	Ø720	36	5	20-Ø37
500	1.6	350	Ø715	Ø650	Ø609	31.5	4	20-Ø34
450	1.6	330	Ø640	Ø585	Ø548	30	4	20-Ø31
400	1.6	310	Ø580	Ø525	Ø480	28	4	16-Ø31
350	1.6	290	Ø520	Ø470	Ø429	26.5	4	16-Ø28
300	1.6	270	Ø460	Ø410	Ø370	24.5	4	12-Ø28
250	1.6	250	Ø405	Ø355	Ø319	22	3	12-Ø28
200	1.6	230	Ø340	Ø295	Ø266	20	3	12-Ø23
150	1.6	210	Ø285	Ø240	Ø211	19	3	8-Ø23
100	1.6	190	Ø220	Ø180	Ø156	19	3	8-Ø19
DN (mm)	PN (Bar)	L	D	D1	D2	b	f	n-d

DOUBLE FLANGE ECCENTRIC BUTTERFLY VALVE
DN100 - DN4000, PN10 / 16 / 25

This series of butterfly valves are used for industrial pipelines, as bi-directional open and close and regulation devices,the adjustment range is from 40 - 90 full open.
Suitable temperature ≤ 80℃

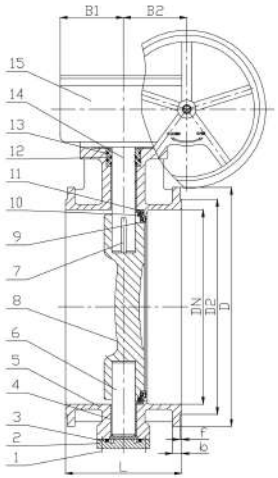
Features:

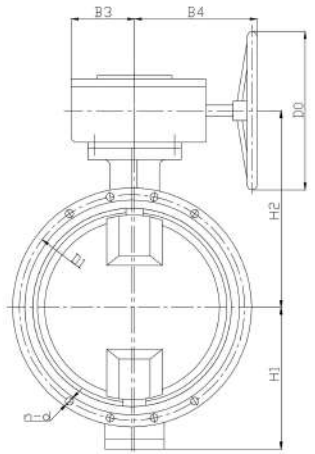
- Hand wheel
- Gear box
- Electric actuation
- Metal seated butterfly valve
- Three-eccentric butterfly valve
- Center line butterfly valve

Options:

- Double Flange Eccentric Resilient Seated Butterfly Valve
- Size range DN100-4000mm
- Standard - ISO / BS / DIN / AWWA / API / BS EN
- Tests Standard - BS EN 12266-1
- Body - Ductile Iron / Cast Iron / Stainless Steel / WCB
- Disc - Ductile Iron / Cast Iron / Stainless Steel / WCB
- Body Ring - SS420 / SS304 / SS316
- Retaining Ring - SS420 / SS304 / SS316
- Disc Ring - EPDM
- Shaft - SS420 / SS431 / SS316
- Fusion bonded epoxy coating - Min 300 Microns

The designs, material and specifications shown are subject to change without notice due to our continuing programme of product development





SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

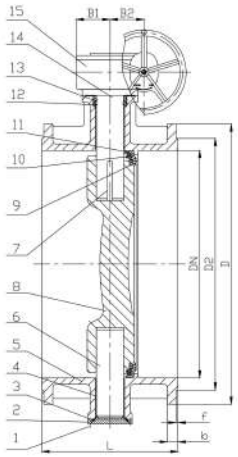
TECHNICAL REQUIREMENT

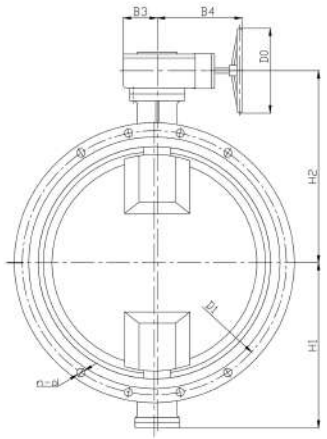
1.Face to face standard: EN 558 Series 14 or 13.
2.Flanges standard: BS EN1092-2:1997 PN16.
3.Tests standard: BS EN12266-1:2003 Part 1 Rate A .

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Bolts
2	End plate
3	O-ring
4	Bushes
5	Body
6	Stub shaft
7	Key
8	Disk
9	Retaining ring
10	Disk seal ring
11	Body seal ring
12	Stuffing
13	Stuffing box
14	Main shaft
15	Gearbox

DN (mm)	PN (Mpa)	L	D	D1	D2	b	f	n-d	B1	B2	B3	B4	D0	H1	H2
350	1.6	290	Ø520	Ø470	Ø429	26.5	4	16-Ø28	153	110	141	341	Ø360	296	381
300	1.6	270	Ø460	Ø410	Ø370	24.5	4	12-Ø28	120	73	108	308	Ø320	252	330
250	1.6	250	Ø405	Ø355	Ø319	22	3	12-Ø28	120	73	108	308	Ø320	223	300
200	1.6	230	Ø340	Ø295	Ø266	20	3	12-Ø23	120	73	108	308	Ø320	193	265
150	1.6	210	Ø285	Ø240	Ø211	19	3	8-Ø23	80	53	80	257	Ø160	156	218
100	1.6	190	Ø220	Ø180	Ø156	19	3	8-Ø19	80	53	80	257	Ø160	118	173





SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

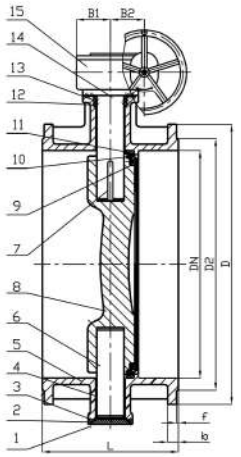
TECHNICAL REQUIREMENT

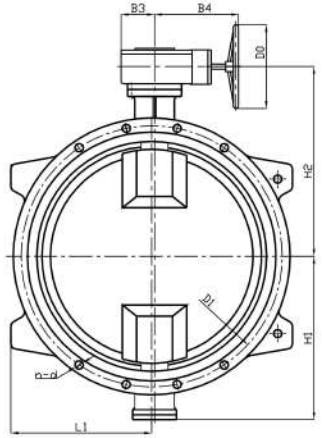
1.Face to face standard: EN 558 Series 14 or 13.
2.Flanges standard: BS EN1092-2:1997 PN16.
3.Tests standard: BS EN12266-1:2003 Part 1 Rate A .

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Bolts
2	End plate
3	O-ring
4	Bushes
5	Body
6	Stub shaft
7	Key
8	Disk
9	Retaining ring
10	Disk seal ring
11	Body seal ring
12	Stuffing
13	Stuffing box
14	Main shaft
15	Gearbox

DN (mm)	PN (Mpa)	L	D	D1	D2	b	f	n-d	B1	B2	B3	B4	D0	H1	H2
600	1.6	390	Ø840	Ø770	Ø720	36	5	20-Ø37	184	146	163	495	Ø400	465	544
500	1.6	350	Ø715	Ø650	Ø609	31.5	4	20-Ø34	153	110	141	449	Ø360	385	482
450	1.6	330	Ø640	Ø585	Ø548	30	4	20-Ø31	153	110	141	449	Ø360	354	441
400	1.6	310	Ø580	Ø525	Ø480	28	4	16-Ø31	153	110	141	449	Ø360	320	411





SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

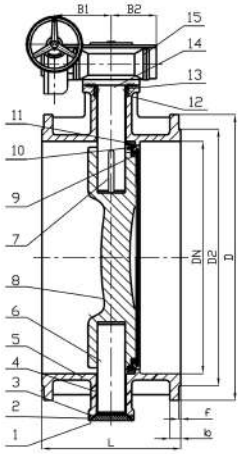
TECHNICAL REQUIREMENT

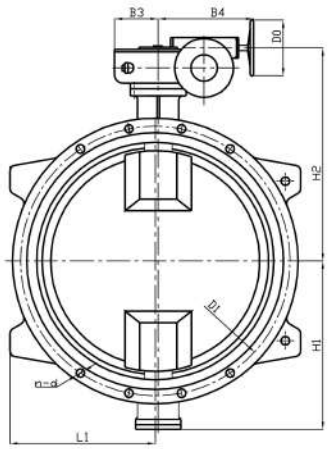
1.Face to face standard: EN 558 Series 14 or 13.
2.Flanges standard: BS EN1092-2:1997 PN16.
3.Tests standard: BS EN12266-1:2003 Part 1 Rate A .

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Bolts
2	End plate
3	O-ring
4	Bushes
5	Body
6	Stub shaft
7	Key
8	Disk
9	Retaining ring
10	Disk seal ring
11	Body seal ring
12	Stuffing
13	Stuffing box
14	Main shaft
15	Gearbox

DN (mm)	PN (Mpa)	L	D	D1	D2	b	f	n-d	B1	B2	B3	B4	L1	D0	H1	H2
800	1.6	470	Ø1025	Ø950	Ø901	43	5	24-Ø41	184	146	163	495	522	Ø400	570	659
700	1.6	430	Ø910	Ø840	Ø794	39.5	5	24-Ø37	184	146	163	495	465	Ø400	530	610





SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

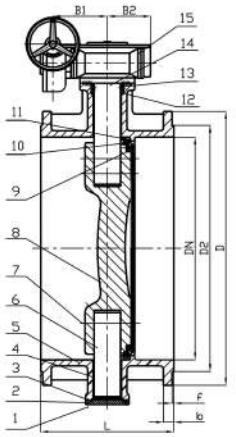
TECHNICAL REQUIREMENT

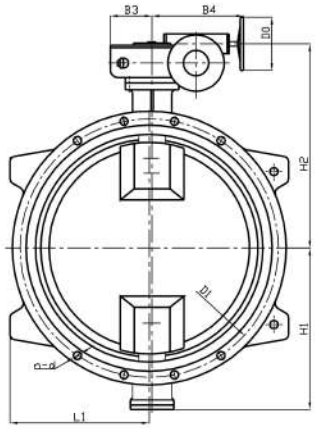
1.Face to face standard: EN 558 Series 14 or 13.
2.Flanges standard: BS EN1092-2:1997 PN16.
3.Tests standard: BS EN12266-1:2003 Part 1 Rate A .

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Bolts
2	End plate
3	O-ring
4	Bushes
5	Body
6	Stub shaft
7	Key
8	Disk
9	Retaining ring
10	Disk seal ring
11	Body seal ring
12	Stuffing
13	Stuffing box
14	Main shaft
15	Gearbox

DN (mm)	PN (Mpa)	L	D	D1	D2	b	f	n-d	B1	B2	B3	B4	L1	D0	H1	H2
1200	1.6	630	Ø1485	Ø1390	Ø1328	57	5	32-Ø50	237	218	263	545	750	Ø500	845	1058
1100	1.6	550	Ø1355	Ø1270	Ø1218	53.5	5	32-Ø44	237	218	263	545	685	Ø500	760	973
1000	1.6	550	Ø1255	Ø1170	Ø1112	50	5	28-Ø44	237	218	263	545	635	Ø500	710	932
900	1.6	510	Ø1125	Ø1050	Ø1001	46.5	5	28-Ø41	211	183	220	496	570	Ø500	640	811





SPECIFICATION		
Nominal pressure (MPa)		1.6
Testing pressure(MPa)	Seal	2.4
	Shell	1.76
Working pressure (MPa)		1.6
Suitable temperature (°c)		<80°c
Suitable medium		Water

TECHNICAL REQUIREMENT

1.Face to face standard: EN 558 Series 14 or 13.
2.Flanges standard: BS EN1092-2:1997 PN16.
3.Tests standard: BS EN12266-1:2003 Part 1 Rate A .

MATERIALS OF CONSTRUCTION

No.	Part Name
1	Bolts
2	End plate
3	O-ring
4	Bushes
5	Body
6	Stub shaft
7	Key
8	Disk
9	Retaining ring
10	Disk seal ring
11	Body seal ring
12	Stuffing
13	Stuffing box
14	Main shaft
15	Gearbox

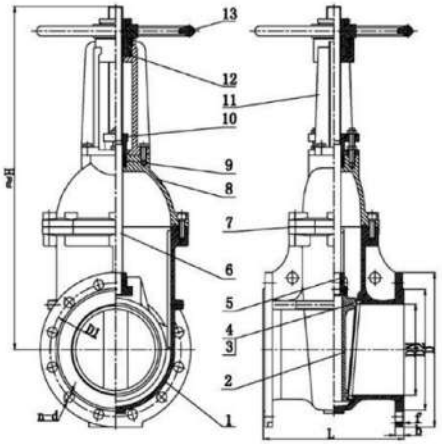
DN (mm)	PN (Mpa)	L	D	D1	D2	b	f	n-d	B1	B2	B3	B4	L1	D0	H1	H2
3000	1.6	1350	Ø3390	Ø3270	Ø3190	100	6	68-Ø62	595	550	570	921	1703	Ø640	2040	2550
2800	1.6	1270	Ø3185	Ø3070	Ø2990	95	6	64-Ø62	595	550	570	921	1600	Ø640	1910	2420
2600	1.6	1190	Ø2965	Ø2850	Ø2780	90	6	60-Ø62	595	550	570	921	1490	Ø640	1760	2280
2500	1.6	1150	Ø2865	Ø2750	Ø2670	88	6	56-Ø62	595	550	570	921	1440	Ø640	1700	2190
2400	1.6	1110	Ø2765	Ø2650	Ø2570	85	6	56-Ø62	595	550	570	921	1390	Ø640	1595	2095
2200	1.6	1030	Ø2555	Ø2440	Ø2370	80	6	52-Ø62	352	330	380	779	1290	Ø640	1418	1850
2000	1.6	950	Ø2345	Ø2230	Ø2150	75	5	48-Ø62	352	320	330	779	1180	Ø500	1340	1715
1800	1.6	870	Ø2130	Ø2020	Ø1950	70	5	44-Ø57	352	320	330	779	1075	Ø500	1203	1594
1600	1.6	790	Ø1930	Ø1820	Ø1750	65	5	40-Ø57	285	275	325	546	975	Ø640	1135	1424
1500	1.6	750	Ø1820	Ø1710	Ø1640	62.5	5	36-Ø57	285	275	325	546	918	Ø640	1035	1326
1400	1.6	710	Ø1685	Ø1590	Ø1530	60	5	36-Ø50	285	275	325	546	850	Ø640	976	1251
1300	1.6	710	Ø1585	Ø1490	Ø1430	60	5	32-Ø50	237	218	263	545	802	Ø500	905	1118

Model No. BZ41T-16

DOUBLE FLANGE DUCTILE IRON RISING STEM GATE VALVE FOR SEWERAGE APPLICATION TO BSEN1171/BS5150, PN16 (DN80 – DN300)

SCOPE OF APPLICATION

Nominal Pressure	1.6 MPa
Shell Test Pressure	2.4 MPa
Seat Test Pressure	1.76 MPa
Suitable Medium	Sewerage
Suitable Temperature	< 80°C



DN80 – DN300

DESCRIPTION

1. BZ41T-16-00 conforms to BSEN1171/ BS5150.
2. Face to face dimensions conforms to series 3 of BS EN558-1:1996.
3. Flange drilled to BS EN1092-2:1997.
4. Fusion bond epoxy powder coated.

Model No. BZ41T-16

DOUBLE FLANGE DUCTILE IRON RISING STEM GATE VALVE FOR SEWERAGE APPLICATION TO BSEN1171/BS5150, PN16 (DN80 – DN300)

DIMENSIONS – MILLMETERS

DN	L	D	D1	D2	b	n-d	f	H
80	203	200	160	132	19	8-Φ19	3	429
100	229	220	180	156	19	8-Φ19	3	462
150	267	285	240	211	19	8-Φ23	3	614
200	292	340	295	266	20	12-Φ23	3	754
250	330	405	355	319	22	12-Φ28	3	900
300	356	460	410	370	24.5	12-Φ28	4	1033

MATERIAL LIST

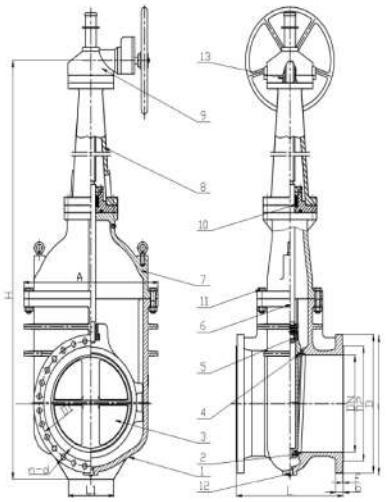
NO.	Part	Material
1	Body	Ductile Iron EN-GJS 500-7
2	Gate	Ductile Iron EN-GJS 500-7
3	Body Seal Ring	Gunmetal LG2
4	Gate Seal Ring	Gunmetal LG2
5	Limit Nut	Ductile Iron EN-GJS 500-7
6	Stem	Stainless Steel SS316
7	O-Ring	EPDM
8	Bonnet	Ductile Iron EN-GJS 500-7
9	Packing	Graphite
10	Gland	Ductile Iron EN-GJS 500-7
11	Yoke	Ductile Iron EN-GJS 500-7
12	Stem Nut	Gunmetal LG2
13	Handwheel	Ductile Iron EN-GJS 500-7
14	Bolts	Stainless Steel SS316

Model No. BZ42T-16

DOUBLE FLANGE DUCTILE IRON RISING STEM GATE VALVE FOR SEWERAGE APPLICATION TO BSEN1171/BS5150, PN16 (DN350 – DN1200)

SCOPE OF APPLICATION

Nominal Pressure	1.6 MPa
Shell Test Pressure	2.4 MPa
Seat Test Pressure	1.76 MPa
Suitable Medium	Sewerage
Suitable Temperature	< 80°C



DN350 – DN1200

DESCRIPTION

1. BZ42T-16-00 conforms to BSEN1171/ BS5150.
2. Face to face dimensions conforms to series 3 of BS EN558-1:1996.
3. Flange drilled to BS EN1092-2:1997.
4. Fusion bond epoxy powder coated.

Model No. BZ42T-16

DOUBLE FLANGE DUCTILE IRON RISING STEM GATE VALVE FOR SEWERAGE APPLICATION TO BSEN1171/BS5150, PN16 (DN350 – DN1200)

DIMENSIONS – MILLMETERS

DN	L	D	D1	D2	b	n-d	f	H
350	381	520	470	429	26.5	16-Φ28	4	1311
400	406	580	525	480	28	16-Φ31	4	1442
450	432	640	585	548	30	20-Φ31	4	1603
500	457	715	650	609	31.5	20-Φ34	4	1748
600	508	840	770	720	36	20-Φ37	5	2003
700	610	910	840	794	39.5	24-Φ37	5	2315
800	660	1025	950	901	43	24-Φ41	5	2545
900	711	1125	1050	1001	46.5	28-Φ41	5	2857
1000	811	1255	1170	11'2	50	28-Φ44	5	3260
1200	960	1485	1390	1328	57	32-Φ50	5	3651

MATERIAL LIST

NO.	Part	Material
1	Body	Ductile Iron EN-GJS 500-7
2	Body Seal Ring	Gunmetal LG2
3	Gate	Ductile Iron EN-GJS 500-7
4	Gate Seal Ring	Gunmetal LG2
5	Limit Nut	Ductile Iron EN-GJS 500-7
6	Stem	Stainless Steel SS316
8	Bonnet	Ductile Iron EN-GJS 500-7
7	Support	Ductile Iron EN-GJS 500-7
9	Bevel Gearbox	-
10	Packing	Graphite
11	Bolts / Nuts	Stainless Steel SS316
12	Drain Plug	Stainless Steel SS316
13	Stem Nut	Gunmetal LG2

Stainless Steel Gate Valve



Metal Seated Non-rising Gate Valve With Gearbox



Metal Seated Rising Gate Valve With Gearbox



Metal Seated Non-rising Gate Valve With Actuator



Metal Seated Gate Valve With Bypass



Metal Seated Large Size Gate Valve



Double Flange Double Eccentric Stainless Steel Disc Butterfly Valve



Double Flange Double Eccentric Butterfly Valve







Double Flange Centerline Large Size Butterfly Valve



Double Flange Double Eccentric Large Size Butterfly Valve






Double Flange Swing Check Valve With Lever & Weight / Flap Check Valve

Double Flange Rubber Disc Check Valve

Double Flange Check Valve

Double Flange Large size Multi Swing Check Valve

Double Flange Swing Check Valve With Hydraulic Damper / With Bypass

Double Flange Tilting Check Valve With Hydraulic Damper

Gate valve and Butterfly valve at site


Gate Valves & Swing Check Valves at site




DN2000mm Metal Seated Gate Valve under inspection by client



valves under inspection