

# WESDOM



## WESDOM GROUP

集团总部：中国·郑州华南城中原电商大厦  
分工厂：上海·天津·河北·山东·温州·连云港  
驻外分公司：非洲·坦桑尼亚·肯尼亚

国际贸易部：+86-13203812911  
国内贸易部：+86-13849013722

坦桑尼亚：+255744222807  
+255744222808

赞比亚：+260972377777  
+260963767287

肯尼亚：+254780021428

www.wsd-valve.com  
www.hawsd.com

Group headquarters: Central Plains E-Commerce Building, Zhengzhou South City, China  
Branch Factory: Shanghai, Tianjin, Hebei, Shandong, Wenzhou, Lianyungang  
Branch Company in Overseas: Tanzania, Kenya in Africa

International Trading Department: +86-013203812911  
Inland Trading Department: +86-013849013722

P.O Box 3922, mikocheni B, Dar Es Salaam, Tanzania ✉ Weisidunvalve2015@gmail.com

Mungwi Road (adjacent to check point), Lusaka, Zambia

Nairobi, Kenya ✉ Weisidunvalve@gmail.com

✉ info@wsdvalve.com  
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## Valve & Pipe Fittings for Water System

## WESDOM GROUP



# WESDOM GROUP

## Enterprise Social Responsibility

WESDOM are not only concerned about products, services and solutions.

**WESDOM promise to implement sustainable development and benefit society with energy-saving and environmental protection.**

**Our Purpose:** People-Oriented, Hard Work, Never forget the original intention, Innovation and forge ahead

**Our Mission:** To be a high-quality supplier of fluid control systems and plan maker; To contribute our wisdom and strength to the development of the cutting-edge technology of fluid control systems.

**Our Vision:** Explore the internal innovation spirit and creativity, pursuit, innovation and continuous improvement. Use wisdom, foresight and hard work to make "WESDOM" a world-renowned brand; Make the group company grow into a respectable "Four Satisfaction" enterprise:

**Customer Satisfaction:** Use high-quality products and refined services to add value to customers;

**Employee Satisfaction:** People-oriented, build a platform for all employees to realize their dreams, everyone is the CEO;

**Partner Satisfaction:** Mutual promotion, improve, mutual benefit and win-win;

**Shareholder Satisfaction:** Enable the company to develop and grow, and return profits.

**Our Values:** Create differentiated value-added services for customers, let everyone in the company has a sense of accomplishment.





# WESDOM GROUP

## Development History



### 2010

WESDOM was established

In December 2010, WESDOM was registered with a registered capital of 5 million yuan;

### 2015

WESDOM established the first overseas branch

June 2013, WESDOM passed ISO and other international certifications;

### 2016

WESDOM products are exported to overseas regions and markets

In June 2014, TIANJIN WESDOM VALVE MANUFACTURING CO.,LTD. was established in Tianjin, where the production of butterfly valves is concentrated;

In July 2015, the first overseas branch company WEISIDUN MATERIAL SOLUTION COMPANY was established in the beautiful African continent –Tanzania, and WESDOM began to expand into the international market;

In December 2015, WESDOM established a special foreign trade import and export company in Zhengzhou, the hinterland of the Central Plains HENAN WEISIDUN IMPORT AND EXPORT TRADE CO.,LTD., to make up for the domestic shortcomings of entering the international market;

In 2016, WESDOM brand products have been exported to Tanzania, Zambia, Egypt, Turkey, Pakistan, Thailand, Indonesia, Vietnam, the Philippines, Saudi Arabia, Mexico and other countries and regions;

In 2017, the company carried out production, procurement adjustments and layouts, expanded product series, initially formed a production and procurement system for water series products (control and connection systems), and established a procurement system for major production clusters across the south and north. ;

### 2018

Zambia branch was established, and the group company expanded its measurement products series

In January 2018, the second exclusive import and export company was established—HENAN WESDOM FLOW CONTROL CO.,LTD. In August of the same year, the second overseas branch company –WESDOM VALVES AND FITTINGS COMPANY LIMITED was established in Zambia, Africa;

### 2019

WESDOM launched a series of plastic materials

In 2018, the series of measurement products (water meters, flow meters) were expanded, and the supply chain system was further enriched and improved;

### 2020

WESDOM sales exceeded 100 million yuan

In 2019, a series of plastic material products were launched; the company's valves and pipe fittings passed the CE certification; WESDOM overall sales performance exceeded 90 million in the same year;

### 2021

Kenya branch is established, WESDOM products occupy the African market

In 2020, under the influence of the unfavorable factors of the domestic and foreign epidemic situation, the company has achieved the goal of breaking 100 million yuan in addition to the continuous growth of sales.

In April 2021, the Kenya branch WESDOM VALVES AND FITTINGS(K) CO LIMITED was established and operated well, its products occupy the African market successfully.

To be continued...





# WESDOM GROUP

## Company Introduction

WESDOM Group specializes in pipeline fluid systems: R&D, production and sales of valves, pipe fittings, water meters, flow meters, etc. The products cover cast iron, cast steel, stainless steel, copper, plastics and other materials, which are widely used in hydropower stations, heat, buildings, Water supply and drainage, petroleum, chemical industry, electric power, medical and other fields.

In recent years, WESDOM Group has actively embraced the era of Internet of Everything, committed to IoT terminal control and artificial intelligence design, big data mining and development, and promoted smart hardware to move towards big data center and wisdom with excellent market foresight and technological innovation. The smart cities, smart heating, smart water and other fields are in progress.

In the early stage, the Internet of Things smart valves and smart water meters were developed to promote and apply smart control systems such as municipal heating and municipal water supply.

In terms of quality control, we have strict control procedures. From the raw materials entering the factory to the final product leaving the factory, after 24 quality inspection passes, each pass must ensure that the product quality is 100% qualified before it can flow into the next process, thus ensuring that the qualified rate of the finished products.

WESDOM products can well meet the Chinese standard like GB, JB, HB; American standard like API, ASME, AWWA; British and EU standards like BS, EN, ISO; German standard DIN; Japanese standard JIS; Russian standard GOST and other standards.



## Foreign Branch



WEISIDUN MATERIAL SOLUTION COMPANY  
48A, INDUSTRIAL WAY ROAD, MIKOCHENI B, DAR ES SALAAM TANZANIA



WESDOM VALVES AND FITTINGS COMPANY LIMITED  
PLOT NO. 1901/08, KALUNGU CRESCENT, NORTHMEAD, LUSAKA, ZAMBIA  
GIBSON MENG +260 972 377 777



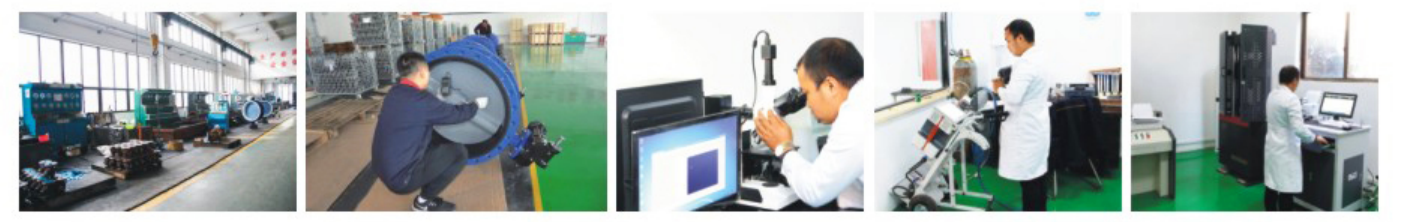
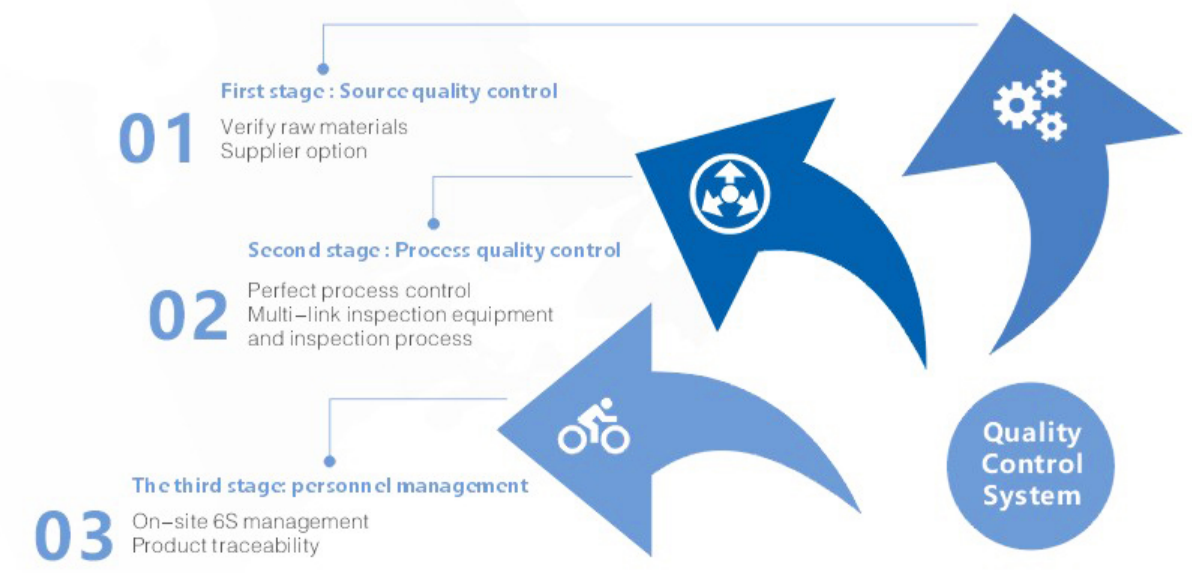
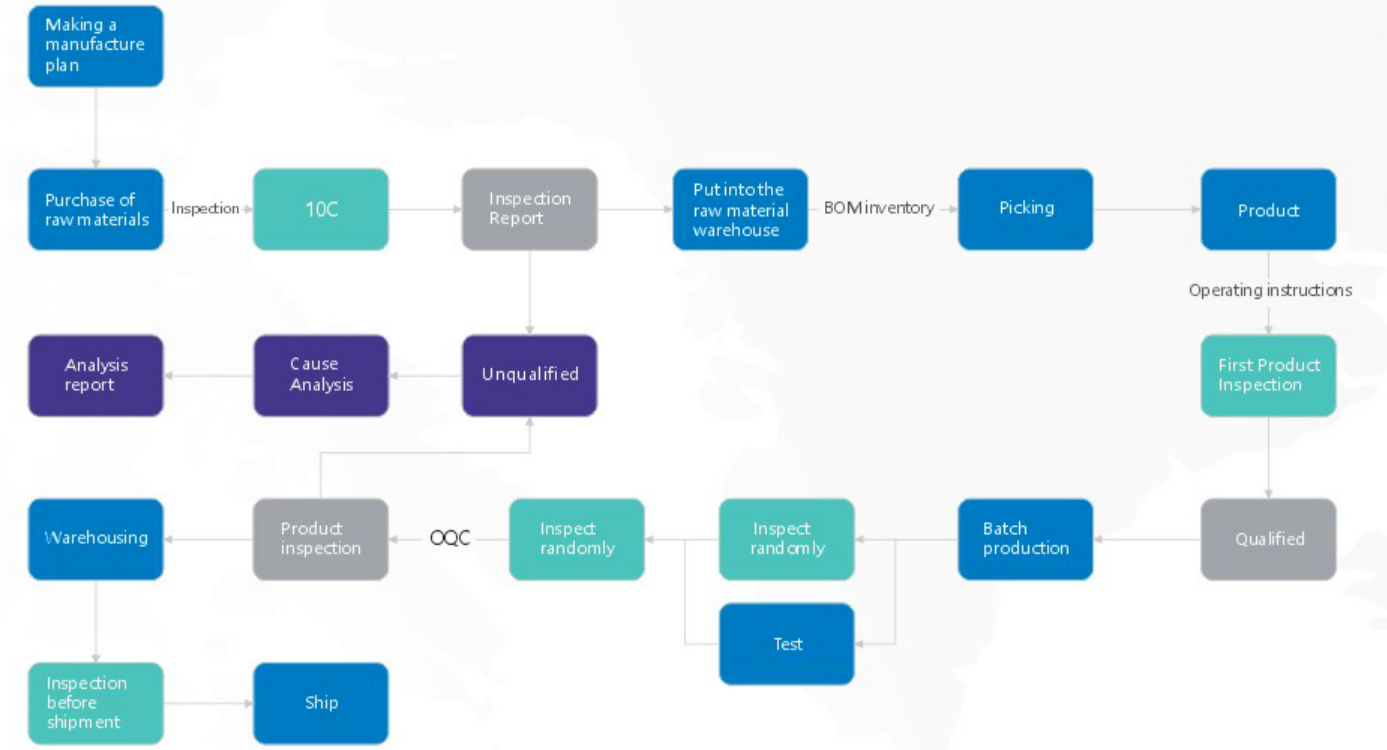
WESDOM VALVES AND FITTINGS(K) CO LIMITED  
Nairobi, Kenya



# WESDOM GROUP Company Qualification



## Product Quality Control Process





# WESDOM GROUP

## Application Field



### Power Generation

- Water and electricity
- Flue gas desulfurization system
- Flue gas desulfurization system
- Cooling water system
- Steam System
- Waste incineration power generation
- Renewable energy



### Steel

Water engineering valves and air valves are used to control the gases in the steel production



### Mining

- Acid leaching solvent extraction
- Mud transmission
- Cooling System



### Chemical Industry

- Chemical production
- Distribution system
- Surface treatment
- Biofuels



### Boats and Ships

- Cargo loading
- Dredging system
- Cooling water system
- Inert gas
- Hull valve
- Ballast system
- Compressed gas



### Building

- Water supply and drainage
- Heating ventilation and air conditioning

## Service Project



### Our Main business

Water supply/Sewage/Firefighting/Gas/Industry



CHINA CIVIL ENGINEERING & CONSTRUCTION CORPORATION(CCECC)

LAKE VICTORIA WATER SUPPLY AND SANITATION PROJECT P.O.Box 317, MWANZA C/O CHINA CIVIL ENGINEERING CONSTRUCTION

CORPORATION P.O.Box 4083, DAR ES SALAAM, TANZANIA

### STECOL CORPORATION

IFB/ ZAWA/ ZUWSP/01/CW-01/ PACKAGE

1. PROJECT NAME: ZANZIBAR URBAN WATER AND SANITATION PROJECT (ZUWSP) PACKAGE
2. Construction of Scheme Works Infrastructure for Water Supply, for Zanzibar, Tanzania.





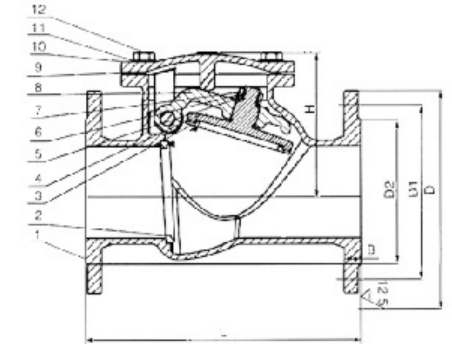


## Check Valve Series

- DIN swing check valve
- BS swing check valve
- Silent check valve
- Foot check valve
- Swing check valve
- Non-return valve
- Ball check valves
- Slow closing check valve
- Flap valve

## DIN swing check valve

## Check valve series



### Material Specifications

No.	Parts	Material
1	Body	DI, CI
2	Seat	Brass(Hpb59-1)/NBR
3	Seal ring	Brass(Hpb59-1)/NBR
4	Disc	DI, CI
8	Rocker arm	DI
10	Bonnet	DI, CI

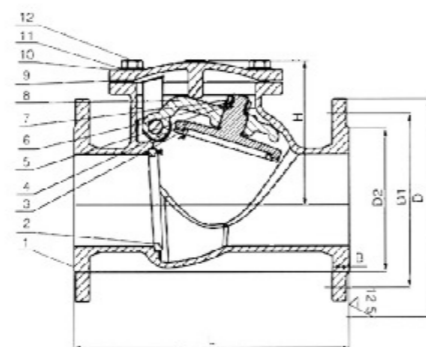
### Valve design

Technical specification	
Face to Face	DIN3202-F6
Flange Drilling	DIN2531, 2532, 2533
Pressure	PN10/PN16

### Main external and connecting dimensions(mm)

DN	L	D		D1		D2		B	n-Φd		H
		PN10	PN16	PN10	PN16	PN10	PN16		PN10	PN16	
40	180	150	150	110	110	88	88	17	4-Φ19	4-Φ19	103
50	200	165	165	125	125	102	102	17	4-Φ19	4-Φ19	116
65	240	185	185	145	145	122	122	17	4-Φ19	4-Φ19	116
80	260	200	200	160	160	138	138	18	4-Φ19	8-Φ19	145
100	300	220	220	180	180	158	158	18	8-Φ19	8-Φ19	145
125	350	250	250	210	210	188	188	20	8-Φ19	8-Φ19	175
150	400	285	285	240	240	212	212	22	8-Φ23	8-Φ23	204
200	500	340	340	295	295	268	268	23	8-Φ23	12-Φ23	248
250	600	405	405	355	355	320	320	24	12-Φ23	12-Φ28	292
300	700	460	460	410	410	378	378	26	12-Φ23	12-Φ28	325





**Material Specifications**

No.	Parts	Material
1	Body	Ductile iron
2	Body seat ring	Brass
3	Disc seat ring	Brass
4	Disc	Ductile iron
5	Washer	Stainless steel
6	Locking nut	Stainless steel
7	Arm	Ductile iron
8	Hing pin	Stainless steel
9	O ring	NBR
10	Bonnet	Ductile iron
11	Bolt	Stainless steel

**Valve design**

Technical specification	
Valve Design	BS 5153
Face to Face	EN 558-1
Flange Drilling	BS 4504, EN 1092-2
Pressure	PN10/PN16

**Main external and connecting dimensions(mm)**

Size	DN	D	D1	D2	L	b	f	Z-d	H
2	50	165	125	100	203	19	3	4-φ19	116
2 1/2	65	185	145	120	216	19	3	4-φ19	116
3	80	200	160	135	241	19	3	8-φ19	145
4	100	220	180	156	292	19	3	8-φ19	145
5	125	250	210	186	330	19	3	8-φ19	175
6	150	285	240	212	356	19	3	8-φ23	204
8	200	340	295	268	495	20	3	12-φ23	248
10	250	405	355	318	622	22	3	12-φ28	292
12	300	460	410	373	699	24.5	4	12-φ28	325
14	350	520	470	429	800	36	4	16-φ28	361
16	400	580	525	480	900	38	4	16-φ31	388
18	450	640	585	548	1000	40	4	20-φ31	450
20	500	715	650	609	1100	42	4	20-φ34	518
24	600	840	770	720	1300	48	5	20-φ37	620

Silent check valve

PN10/16

**Product Standard:**

Desing: EN 122334, EN1074  
Flanges: BS EN1092-2, ISO 7005  
Face to Face: EN558-1  
Test: BS EN12266

**Technical Specification:**

Size: DN50~DN600(2'-14")  
Pressure: PN10/16  
Work Temperature: -5°C~85°C  
Seat Test: 1.1 × PN  
Shell Test: 1.5 × PN  
Medium: Clean Water

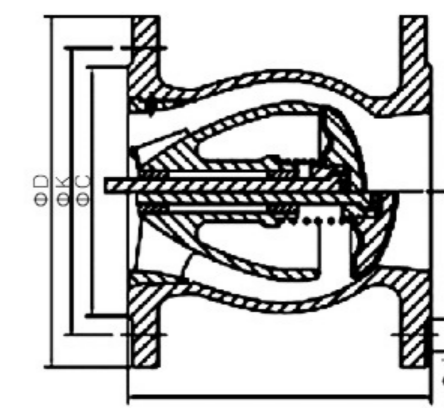


**Features:**

- The most reasonable and streamlined design;
- The MIN. Noise while direct flow or back flow;
- Head loss only 0.18bar with velocity of 2m/s;
- Shut off speed is only 0.2s;
- Integral body and flow guide design, full rubber coated disc;
- FBE coating inside and outside Min 250 μ .

**Material Specification:**

No.	Part Name	Material
1	Body	EN GJS 500-7
2	Disc	DI+EPDM
3	Stem	AISI 304
4	Spring	AISI 304
5	Bush	Brass
6	Nut	AISI 304



**Dimension (mm)**

Size	DN	L	D	K	C	n-φd PN10	n-φd PN16
2'	50	150	165	125	19	4-φ19	4-φ19
2 1/2'	65	150	185	145	19	4-φ19	4-φ19
3'	80	180	200	160	19	8-φ19	8-φ19
4'	100	190	220	180	19	8-φ19	8-φ19
5'	125	210	250	210	19	8-φ19	8-φ19
6'	150	210	285	240	19	8-φ23	8-φ23
8'	200	230	340	295	20	8-φ23	12-φ23
10'	250	250	405	355	22	12-φ23	12-φ28
12'	300	270	460	410	24.5	12-φ23	12-φ28
14'	350	290	520	470	24.5	12-φ23	12-φ28



PN10/16

Product Standard:

Desing: EN 122334, EN1074  
 Flanges: BS EN1092-2, ISO 7005  
 Face to Face: EN558-1  
 Test: BS EN12266

Technical Specification:

Size: DN50-DN600(2'-12")  
 Pressure: PN10/16  
 Work Temperature: -5°C~85°C  
 Seat Test: 1.1 x PN  
 Shell Test: 1.5 x PN  
 Medium: Clean Water, Sewage

Features:

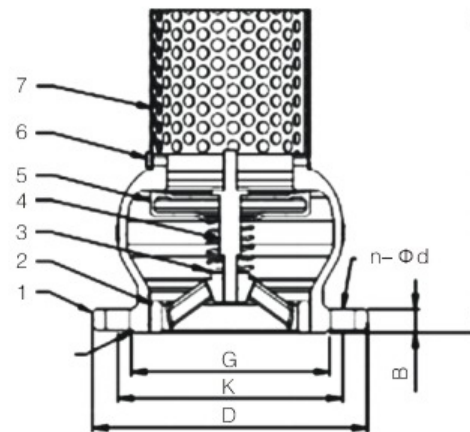
- Reasonable design, can effectively avoid turbulence;
- Easy to install, maintenance and replacement FBE coating inside and outside Min 250µ;
- It's widely use in pumping stations and networks for clean water distribution, irrigation and water treatment.

Material Specification:

No.	Part Name	Material
1	Body	ENGJS 500-7
2	Base	ENGJS 500-7
3	Spring	AISI 304
4	Stem	AISI 304
5	Disc	DI+EPDM
6	Bolt	AISI 304
7	Screen	AISI 304

Dimension (mm)

Size	DN	D	K	G	H	B	n-Φd PN10	n-Φd PN16
2'	50	165	125	102	190	19	4-Φ19	4-Φ19
2 1/2'	65	185	145	122	210	19	4-Φ19	4-Φ19
3'	80	200	160	138	240	19	8-Φ19	8-Φ19
4'	100	220	180	158	250	19	8-Φ19	8-Φ19
5'	125	250	210	188	310	19	8-Φ19	8-Φ19
6'	150	285	240	212	370	19	8-Φ23	8-Φ23
8'	200	340	295	268	450	20	8-Φ23	12-Φ23
10'	250	405	355	320	470	22	12-Φ23	12-Φ28
12'	300	460	410	378	500	25	12-Φ23	12-Φ28



Swing check valve

PN10/16

Product Standard:

Desing: BS5153  
 Flanges: BS EN1092-2, ADME B 16.1  
 Face to Face: EN558-1, DIN F6  
 Test: BS EN12266, API 598

Technical Specification:

Size: DN50-DN600(2'-24")  
 Pressure: PN10/16  
 Work Temperature: -5°C~85°C  
 Seat Test: 1.1 x PN  
 Shell Test: 1.5 x PN  
 Medium: Clean Water, Sewage

Features:

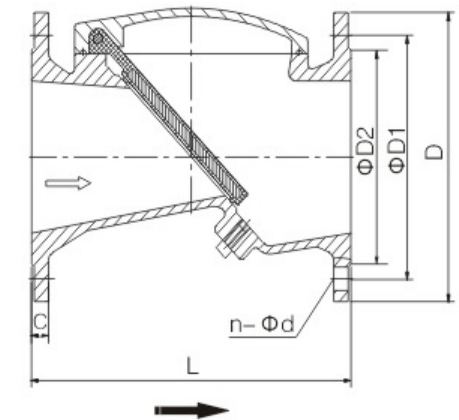
- Disc 45 Degree design to reduce water hammer;
- Full rubber coated disc;
- Horizontal or Vertical installation;
- FBE coating inside and outside Min 250µm.

Material Specification:

No.	Part Name	Material
1	Body	ENGJS 500-7
2	Cover	ENGJS 500-7
3	Disc	C.S+EPDM
4	Shaft	AISI 304
5	Bolts	AISI 304
6	O rings	NBR

Dimension (mm)

Size	DN	L	D	D1	D2	n-Φd PN10	n-Φd PN16
2'	50	203	165	125	99	4-Φ19	4-Φ19
2 1/2'	65	216	185	145	118	4-Φ19	4-Φ19
3'	80	241	200	160	132	8-Φ19	8-Φ19
4'	100	292	220	180	156	8-Φ19	8-Φ19
5'	125	330	250	210	184	8-Φ19	8-Φ19
6'	150	356	285	240	211	8-Φ23	8-Φ23
8'	200	795	340	295	266	8-Φ23	12-Φ23
10'	250	622	405	355	319	12-Φ23	12-Φ28
12'	300	698	460	410	370	12-Φ23	12-Φ28
14'	350	787	520	470	429	16-Φ23	16-Φ28
16'	400	914	580	525	480	16-Φ26	16-Φ31
18'	450	914	640	585	548	20-Φ26	20-Φ31
20'	500	978	705	650	609	20-Φ26	20-Φ34





PN10/16

**Product Standard:**

Desing: API 594  
 Flanges: BS EN1092-2  
 Face to Face: EN558-1  
 Test: BS EN12266, API 598

**Technical Specification:**

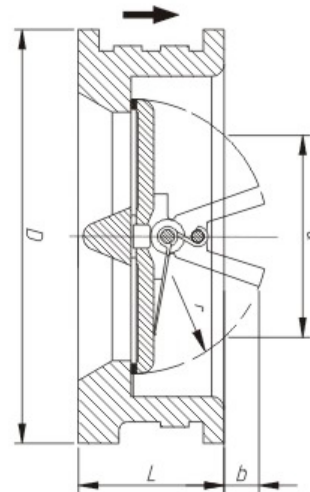
Size: DN50–DN600(2'–24')  
 Pressure: PN10/16  
 Work Temperature: -5°C–85°C  
 Seat Test: 1.1 × PN  
 Shell Test: 1.5 × PN  
 Medium: Clean Water, Sewage

**Features:**

- Simple structure and affordable. Small and easy to install;
- Horizontal or Vertical Installation;
- Quick shut off speed;
- FBE coating inside and outside Min 250 μ.

**Material Specification:**

No.	Part Name	Material
1	Body	EN GJS 500-7
2	Disc	Ductile iron / Stainless Steel
3	Stem	AISI 304
4	Spring	AISI 304
5	Bush	PTFE
6	Seat	EPDM / NBR



**Dimension (mm)**

Size	DN	L	D	a	b	r	WT (kg)
2"	50	43	107	43	8	29	1.5
2 1/2"	65	46	127	60	13	36	2.4
3"	80	64	142	66	14	43	3.6
4"	100	64	162	93	24	53	5.3
5"	125	70	192	117	33	66	7.3
6"	150	76	218	145	43	79	9.2
8"	200	89	273	198	68	104	16.0
10"	250	114	328	234	72	127	26.0
12"	300	114	382	284	100	148	40.7
14"	350	127	442	333	121	173	55.0
16"	400	140	495	381	137	198	75.0
18"	450	152	555	420	148	218	118.0
20"	500	152	617	475	180	245	173.0
24"	600	178	734	585	220	302	200.0

Ball check valves

Check valve series

DN40–DN300

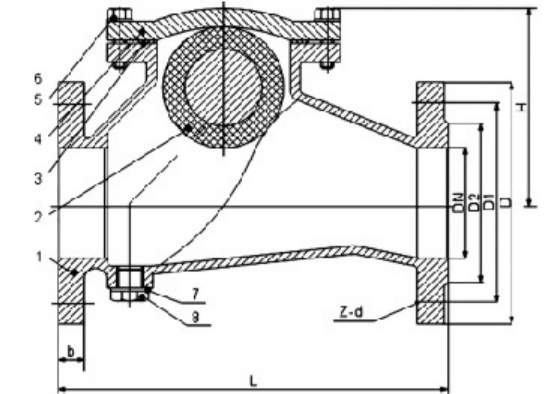
**Application standards**

- Face to face: According to DIN 3202-F6
- Flange drilling: According to EN1092PN10-6, ASME B 16.1-16.5
- Size scope: DN40–DN300
- Working temperature: 0–80°C
- Working pressure: PN10–16
- Suitable medium: Water
- Coating: Epoxy coating with thickness  $\geq 250\mu\text{m}$  or painting with thickness  $\geq 80\mu\text{m}$



**Parts list**

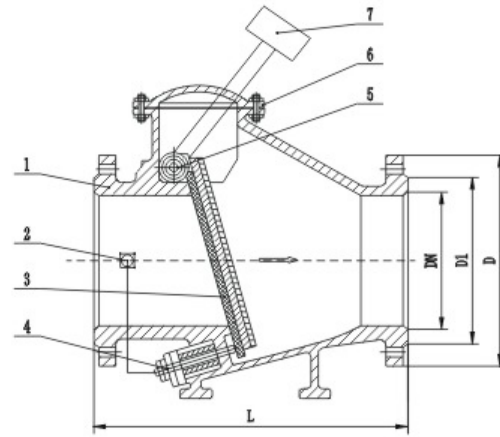
No.	Part Name	Material
1	Body	Ductile iron
2	Ball Float	NBR/ EPDM
3	Gasket	NBR/ EPDM
4	Bonnet	Ductile iron
5	Bolt	Carbon steel
6	Washer	Carbon steel
7	Washer	NYL
8	Plug	Carbon steel



**Dimensions**

DN	D	D1	D2	L	b	f	H	Z-d	kg
40	Φ 150	Φ 110	Φ 84	180	18	3	125	4-Φ 19	16
50	Φ 165	Φ 125	Φ 99	200	19	3	140	4-Φ 19	18
65	Φ 185	Φ 145	Φ 118	240	19	3	150	4-Φ 19	20
80	Φ 200	Φ 160	Φ 132	260	19	3	162	8-Φ 19	24
100	Φ 220	Φ 180	Φ 156	300	19	3	194	8-Φ 19	30
125	Φ 250	Φ 210	Φ 184	350	19	3	242	8-Φ 19	40
150	Φ 285	Φ 240	Φ 211	400	19	3	277	8-Φ 23	52
200	Φ 340	Φ 295	Φ 266	500	20	3	362	12-Φ 23	84
250	Φ 400	Φ 355	Φ 319	600	22	3	418	12-Φ 28	125
300	Φ 455	Φ 410	Φ 370	700	24.5	4	497	12-Φ 28	-





**Material Specifications**

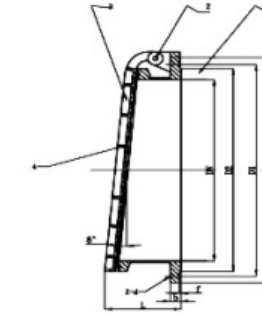
No.	Parts	Material
1	Body	QT450
2	Pin valve	SS304
3	Disc	QT450+EPDM
4	Hydraulic cylinder	Component parts
5	Stem	2Cr13
6	Bonnet	QT450
7	Balance weight	20#

**Valve design**

技术规范 Technical specification	
Valve Design	BS5153, EN13709
Face to Face	EN558
Flange Drilling	BS4504/EN1092

**Main external and connecting dimensions(mm)**

DN	L	D		D1		n-Φd	
		PN1.6	PN2.5	PN1.6	PN2.5	PN1.6	PN2.5
50	230	160	160	125	125	4-18	4-18
65	290	180	180	145	145	4-18	8-18
80	310	195	195	160	160	8-18	8-18
100	350	215	230	180	190	8-18	8-23
125	400	245	270	210	220	8-18	8-25
150	480	280	300	240	250	8-23	8-25
200	500	335	360	295	310	12-23	12-25
250	600	405	425	355	370	12-25	12-30
300	700	460	485	410	430	12-25	12-30
350	800	520	550	470	490	16-25	16-30
400	900	580	610	525	550	16-30	16-34
500	1100	705	730	650	660	20-30	16-34
600	1300	840	840	770	770	20-34	16-41



**Features and USES**

The flap valve is mainly installed at the end of the drainage pipe to prevent the backflow of the outside water. Material is divided into stainless steel, cast iron, steel, composite materials (glass reinforced plastics) and other materials. Clapdoor is a one-way valve installed in the outlet of the drainage pipe along the river. When the water level of the river is higher than the outlet water pipe and the pressure is greater than the pressure inside the pipe, the clapdoor panel will automatically close to prevent the river tide from pouring back into the drainage pipe.

Compared with the traditional gate, batting gate has the following advantages:

1. More energy saving (such as opening and closing doors without external force)
2. Long service life (simple mechanical structure, easy maintenance)
3. Easy to use (switch does not need manual operation)

**Material Specifications**

No.	Parts	Material
1	Body	GGG50
2	Pin shaft	SS304
3	Disc	GGG50
4	Seat	Brass

**Main external and connecting dimensions(mm)**

DN	PN	L	D	D1	D2	b	f	Z-d
50	16	100	165	125	102	19	3	4-19
65	16	120	185	145	122	19	3	4-19
80	16	130	200	160	132	19	3	8-19
100	16	150	220	180	156	19	3	8-19
125	16	160	250	210	184	19	3	8-19
150	16	180	285	240	211	19	3	8-23
200	16	220	340	295	266	20	3	12-23
250	16	230	405	355	319	22	3	12-28
300	16	240	460	410	370	24.5	4	12-28
350	16	250	520	470	429	26.5	4	16-28
400	16	260	580	525	480	28	4	16-31
450	16	270	640	585	548	30	4	20-31
500	16	280	715	650	609	31.5	4	20-34
600	16	300	840	770	720	36	5	20-37
700	16		910	840	794	39.5	5	24-37
800	16		1025	950	901	43	5	24-40
900	16		1125	1050	1001	46.5	5	28-40
1000	16		1255	1170	1112	50	5	28-43
1200	16		1485	1390	1326	57	5	32-49



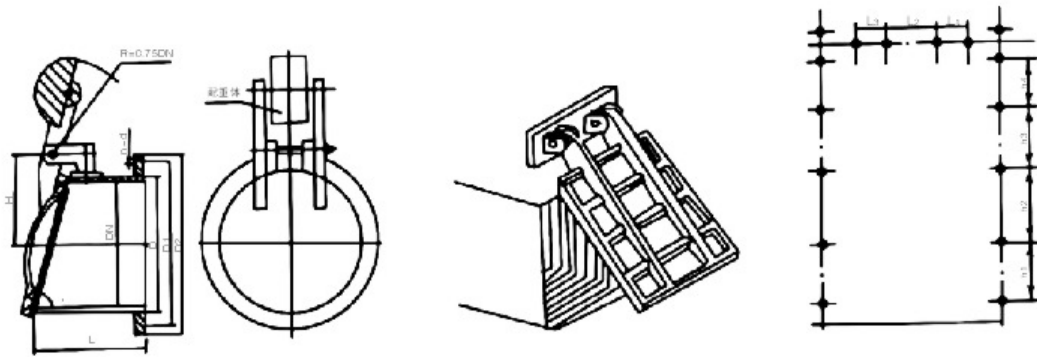
### Working principle:

The valve seat (valve body), valve plate, sealing ring, hinge four parts. It is only used for round and square water outlet of one-way water flow, with strict structure and reliable work, and no need for manual operation of opening and closing force from water source pressure. When the water pressure inside the batting door is greater than the pressure outside the batting door, it will be opened. If not, close it.

Applicable medium: water, river water, river water, seawater, domestic and industrial sewage

Scope of application: applicable to water conservancy system, municipal sewage, urban flood control and drainage, sewage treatment plant, waterworks, etc.

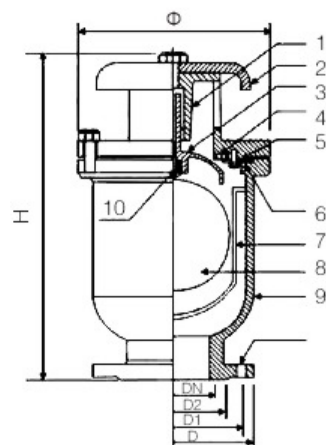
### Installation



### > Air Release Valve Series

- Single flange/thread bleed valve
- Single flange/thread bleed valve
- Single flange/thread bleed valve
- Double ball air valve, combined air vent valve





### Product Overview

This product is used at the highest point on the pipeline or at the outlet of the closed air and pump to remove the gas in the pipeline to dredge the pipeline and make the pipeline work normally. If the exhaust valve is not installed, the pipeline will appear air resistance at any time, so that the water output capacity of the pipeline cannot meet the design requirements. Secondly, the pipeline in the operation of power failure, stop the pump pipeline in time negative pressure will cause vibration or rupture of the pipeline, the exhaust, inlet valve quickly inhaled the air in the pipe, to prevent vibration or rupture of the pipeline.

### Action principle

The compound exhaust valve must be equipped with two holes, one big and one small, the big hole and the diameter hole are basically the same, the pipeline first water has a lot of gas to discharge, these gases are discharged from the big hole. When the gas exhaust, the big hole stop exhaust, pipe in normal operation, the tube will naturally produce negative pressure. A large amount of air is needed in the pipe, and the float ball drops down with the water, opening the small hole and driving the large hole to conduct a large amount of air intake to ensure the safety of the pipe.

Note: the pressure of the exhaust valve should not be less than 0.02mpa in the process of use. If the exhaust valve is prone to water leakage, it must be equipped with a valve for maintenance.

### Technical parameters

Technical parameters	
Working pressure	1.6/2.5Mpa
Medium	Water
Working temperature	≤80℃

### Material Specifications

No.	Parts	Material
1	Rain proof cover	QT45Q/WCB
2	Bonnet	QT45Q/WCB
3	Guide rod plug	304
4	Seal ring	Rubber
5	Sealing plate	304
6	Gasket	PTFE
7	Sealing head	Rubber
8	Ball barrels	304
9	Float ball	304
10	Body	QT45Q/WCB

### CARX-1.6 type dimensions

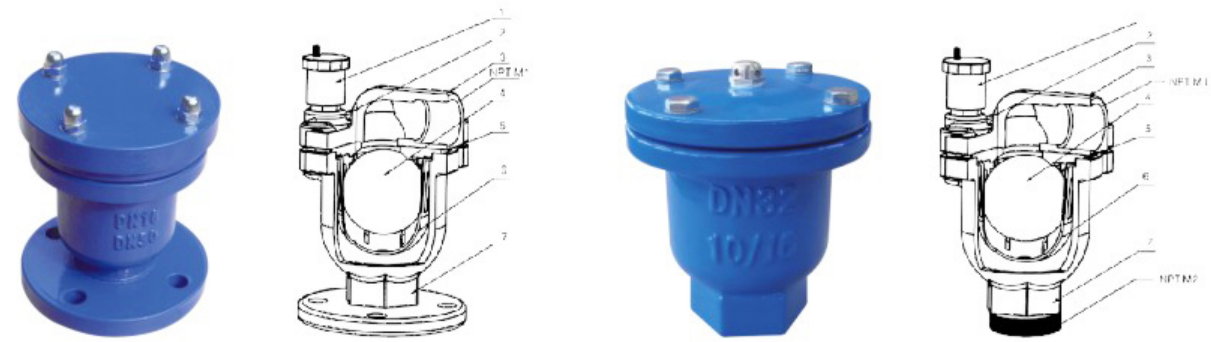
DN	D	D1	D2	Φ	H	Z-Φd
25	115	85	68	165	310	4-14
50	165	125	102	165	310	4-18
80	200	160	138	200	370	8-18
100	220	180	158	220	380	8-18
150	285	240	212	285	500	8-22
200	340	295	268	360	600	12-22
250	405	355	320	465	680	12-26
300	460	410	378	505	780	12-26
350	520	470	438	605	860	16-26
400	580	525	490	660	940	16-30

### CARX-2.5 type dimensions

DN	D	D1	D2	Φ	H	Z-Φd
25	115	85	68	195	320	4-14
50	165	125	102	195	320	4-18
80	200	160	138	242	375	8-18
100	235	190	162	260	395	8-22
150	300	250	218	340	500	8-26
200	360	310	278	405	600	12-26
250	435	370	335	465	680	12-30
300	485	430	395	505	780	16-30
350	555	490	450	605	860	16-33
400	620	550	505	660	940	16-36



### Single flange/thread bleed valve



#### Product Overview

Exhaust valves are usually applied on the pipelines of independent heating system, central heating supply system, heating boiler central air-conditioning, floor heating and air heating system. Because there are certain air soluble in water and the air solubility decrease when the temperature rise, then the air separate from water during water cycle, it gradually comes together to form larger bubbles or air column, it usually produce gas for the water supplement.

#### Material Specifications

No.	Parts	Material
1	Copper air valve	BRASS(HPb59-1)
2	Bolt	Carbon steel
3	Bonnet	DI
4	Ball	ABS
5	Seal Gasket	EPDM
6	Basket	POLY
7	Body	DI

#### Main connection Dimensions

Single ball flanged exhaust valve

DN	B	ΦD	ΦK	ΦG	N-ΦC
20	16	105	75	58	
25	16	115	85	68	
32	18	140	100	78	
40	18	150	110	88	
50	19	165	125	102	
80	20	200	160	138	
100	20	220	180	158	

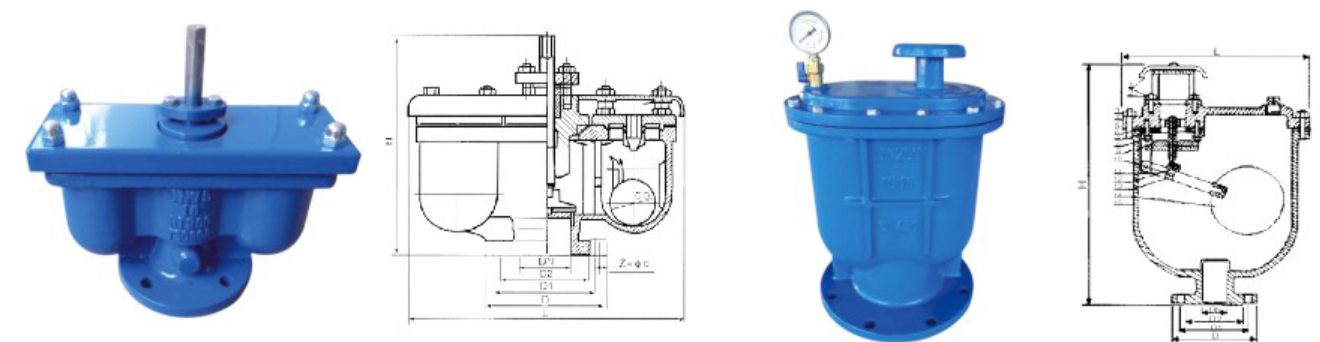
#### Main connection Dimensions

Single ball threaded exhaust valve

DN	M1	M2
20	NPT	NPT
25	NPT	NPT
32	NPT	NPT
40	NPT	NPT
50	NPT	NPT

### Double ball air valve, combined air vent valve

### Air Release Valve Series



#### Product Overview

Air valves are applied on the water pipelines as the equipment to exclude the gas in pipelines, it enhances the efficiency of water transport and protect the pipelines from transformation and broke. When the pipeline under negative pressure, this valve will suction air automatically to prevent the pipeline broken. This valve has big gas displacement for double airvents, it owns maintenance valve, close it when repair then it can be on-line overhaul.

#### Technical parameters

Using the pressure	1.0MPa
Test pressure	1.5MPa
Applicable medium	Clear water
Suitable temperature	Normal temperature
Body	CI
Floating ball and stopper	Stainless steel

#### Main external and connecting dimensions(mm)

Double Ball Air valve

DN	D	D1	D2	L	H	Z-Φd
50	160	125	100	325	325	4-14
80	195	160	135	325	325	4-14
100	215	180	155	380	380	4-18
125	245	210	185	475	475	8-18
150	280	240	210	475	475	8-18
200	335	295	265	580	580	8-23

\*The above specifications to be varied to suit your specific requirements.

#### Main external and connecting dimensions(mm)

Combined Air Vent Valve

DN	D	D1	D2	L	L1	H	Z-Φd
25	115	85	65	235	180	355	4-14
50	160	125	102	325	205	450	4-18
80	195	160	138	365	235	500	4-18
100	215	180	158	385	258	535	8-18

#### Choose different specifications according to pipe diameter size of exhaust valve

Size	Water pipeΦ	Size	Water pipeΦ	Size	Water pipeΦ	Size	Water pipeΦ
25	100-250	80	500-700	150	1200-1500	250	2200-2600
50	300-450	100	800-1000	200	1600-2000	300	2800-3400



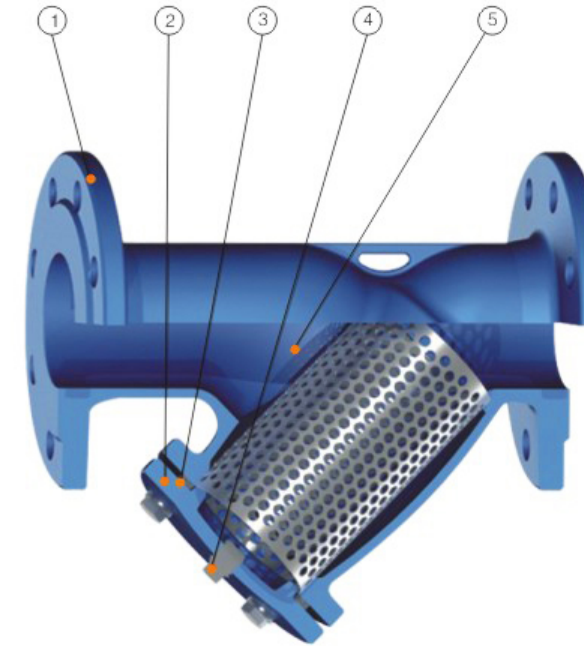


## Strainers & Pipe Fittings

- Y strainers
- BS Strainer
- ST strainers
- Water outlet strainer
- BS750 Underground fire hydrant
- Hydrant box
- Valve shaft
- Flange rubber expansion joints
- Restrained flange adaptor for HDPE/PVC pipe
- Ductile iron pipe joints

### Y strainers

DN50–DN400, 4.5"–12"



#### Material Specification:

No.	Part Name	Material
1	Body	Ductile iron
2	Cover	Ductile iron
3	Gasket	EPDM/NBR
4	Plug	Galvanized steel
5	Screen	SS304
6	Bolts	Galvanized steel

#### Application standards

- Face to face: According to DIN3202–F1, BS2080
- Flange drilling: According to EN1092 PN10–16, ASME B 16.1–16.5
- Size scope: DN50–DN400, 1.5"–12"
- Working temperature: 0–80°C
- Working pressure: PN10–16, Class 125–150
- Suitable medium: Water
- Coating: Epoxy coating with thickness  $\geq 250\mu\text{m}$

#### Standard for mesh of screen

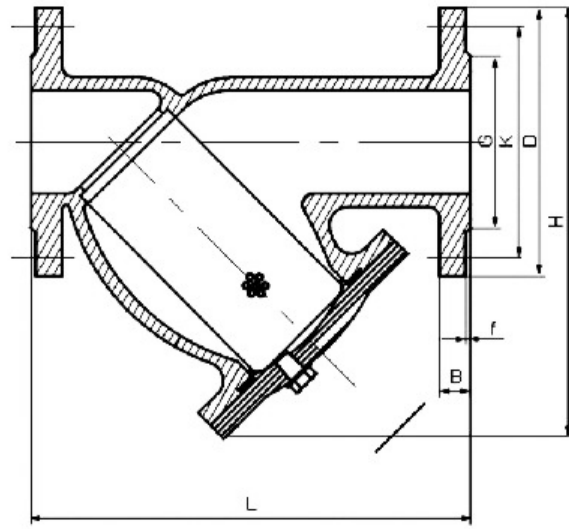
- For water medium: 10–30 mesh/cm<sup>2</sup>
- For oil medium: 8–200 mesh/cm<sup>2</sup>
- For Air/gas medium : 40–100 mesh/cm<sup>2</sup>

#### Dimension

DN	L	H	D	K		G		f	B	n-d	
				PN10	PN16	PN10	PN16			PN10	PN16
50	230	211	165	125	125	99	99	3	19	4–19	4–19
65	290	247.5	185	145	145	118	118	3	19	4–19	4–19
80	310	281	200	160	160	132	132	3	19	8–19	8–19
100	350	315	220	180	180	156	156	3	19	8–19	8–19
125	400	366	250	210	210	184	184	3	19	8–19	8–19
150	480	427	285	240	240	211	211	3	19	8–23	8–23
200	600	526	340	295	295	266	266	3	20	8–23	12–23
250	730	619	405	350	355	319	319	3	22	12–23	12–28
300	850	749	460	400	410	370	370	4	24.5	12–23	12–28

DIN



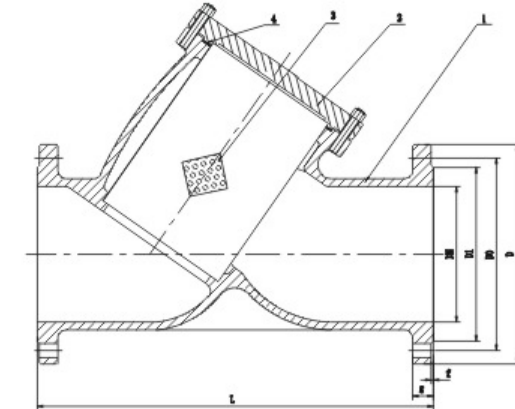


**Dimension** ANSI

DN	L	H	D	B		f	K	G		n-d
				150	150			120	150	
50	225	211	152	14.3	150	2	120.5	92	4-19	
65	273	247.5	178	15.9	150	2	139.5	105	4-19	
80	292	281	191	17.5	150	2	152.5	127	4-19	
100	352	315	229	22.3	150	2	190.5	157	8-19	
125	420	366	254	22.3	150	2	216.5	186	8-22	
150	470	427	279	23.9	150	2	214.5	216	8-22	
200	543	526	343	27	150	2	298.5	270	8-22	
250	660	619	406	28.6	150	2	362	324	12-25	
300	760	749	483	30.2	150	3	432	381	12-25	

**Dimension** BS

Inch	L	H	D	K		G		f	B	n-d	
				PN10	PN16	PN10	PN16			PN10	PN16
2"	220	211	165	125	99	3	19	4-19	4-19		
2.5"	270	247.5	185	145	118	3	19	4-19	4-19		
3"	290	281	200	160	132	3	19	8-19	8-19		
4"	350	315	220	180	156	3	19	8-19	8-19		
5"	390	366	250	210	184	3	19	8-19	8-19		
6"	440	427	285	240	211	3	19	8-23	8-23		
8"	540	526	340	295	266	3	20	8-23	12-23		
10"	660	619	405	350	355	3	22	12-23	12-28		
12"	720	749	460	400	410	370	370	4	24.5	12-23	12-28



**Material Specifications**

No.	Parts	Material
1	Body	CI, DI, WCB
2	Screen	SS304
3	Shim	PTFE
4	Bonnet	CI, DI, WCB

**Valve design**

Technical specification	
Valve Design	BS5153, EN13709
Face to Face	EN558
Flange Drilling	BS4504/EN1092-2

**Main external and connecting dimensions(mm)**

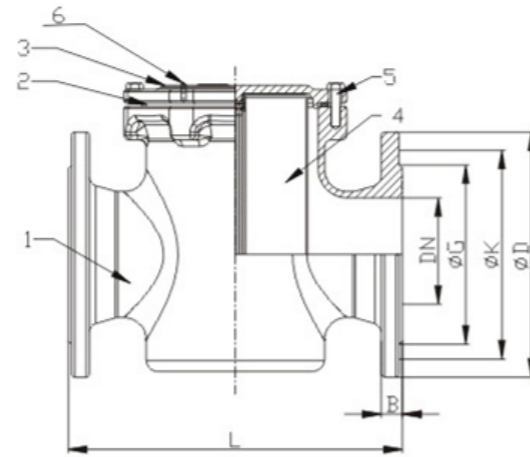
**PN16**

DN	L	D	D1	D2	b	f	Z-φd
50	225	165	125	102	19	3	4-19
65	273	185	145	122	19	3	4-19
80	292	200	160	138	19	3	8-19
100	362	220	180	158	19	3	8-19
125	416	250	210	188	19	3	8-19
150	470	285	240	212	19	3	8-23
200	543	340	295	268	20	3	12-23
250	660	405	355	320	22	3	12-28
300	762	460	410	378	24.5	4	12-28
350	950	520	470	438	26.5	4	16-28
400	1100	580	525	487	28	4	16-31
450	890	640	585	545	30	4	20-31
500	895	715	650	608	31.5	4	20-34
600	1080	830	725	718	35	5	20-37

**PN25**

DN	L	D	D1	D2	b	f	Z-φd
50	220	165	125	99	19	3	4-19
65	255	185	145	118	19	3	8-19
80	270	200	160	132	19	3	8-19
100	305	235	190	156	19	3	8-23
125	340	270	220	184	19	3	8-28
150	385	300	250	211	20	3	8-28
200	485	360	310	274	22	3	12-28
250	540	425	370	330	24.5	3	12-31
300	600	485	430	389	27.5	4	16-31
350	695	550	490	448	30	4	16-34
400	780	610	550	505	32	4	16-37
450	890	660	600	555	34.5	4	20-37
500	895	730	660	610	36.5	4	20-37
600	1080	840	770	718	42	5	20-41



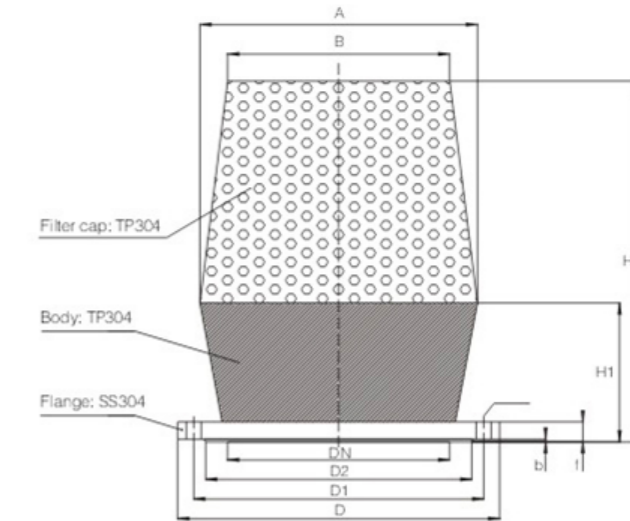


**Material Specification:**

No.	Part Name	Material
1	Body	Nodular cast iron
2	Gasket	EPDM
3	Cover	Nodular cast iron
4	Screen	SS 304
5	Bolts	Galvanized
6	Plug	Carbon steel

**Dimension (mm)**

DN	L	D	K	G	B	n-Φd
50	240	165	125	102	19	4-19
80	280	200	160	138	19	8-19
100	300	220	180	158	19	8-19
150	400	285	240	212	20	8-23
200	420	340	295	268	21	12-23
300	600	460	410	378	25	12-28



**Function**

Water outlet strainer is an indispensable device on the medium pipeline, usually installed in the pressure relief valve, pressure relief valve, constant water level valve, square filter other equipment inlet equipment. The filter has a certain size of filter mesh filter cylinder, its impurities are blocked, when the need to clean, as long as the removable filter cylinder out, after treatment can be rebaded, therefore, the use and maintenance is very convenient.

Mesh size of filter screen is generally 10-30 mesh/cm<sup>2</sup> for water filter, 40-100 mesh/cm<sup>2</sup> for air filter, and 60-200 mesh/cm<sup>2</sup> for oil filter

**Main sizes and dimensionsn**

DN	Outline size					Connection flange size PN1.6MPa					
	A	B	H	H1	Mesh aperture(mm)	D	D1	D2	b	f	n-Φ
100	120	100	200	60	6	215	180	155	20	3	8-18
125	150	125	250	80	6	245	210	185	22	3	8-18
150	180	150	300	100	6	280	240	210	24	3	8-22
200	250	200	300	100	8	335	295	265	26	3	12-22
250	300	250	400	150	8	405	335	320	30	3	12-25
300	360	300	500	200	8	460	410	375	30	4	12-25
350	420	350	550	250	8	520	470	435	34	4	16-25
400	500	400	650	250	8	580	525	485	36	4	16-30
450	540	450	650	250	8	640	585	545	40	4	20-30
500	600	500	800	300	10	705	650	608	44	4	20-34
600	720	600	800	300	10	840	770	718	48	5	24-41
700	840	700	900	400	10	910	840	788	50	5	24-41
800	960	800	1000	400	10	1020	950	898	52	5	24-41



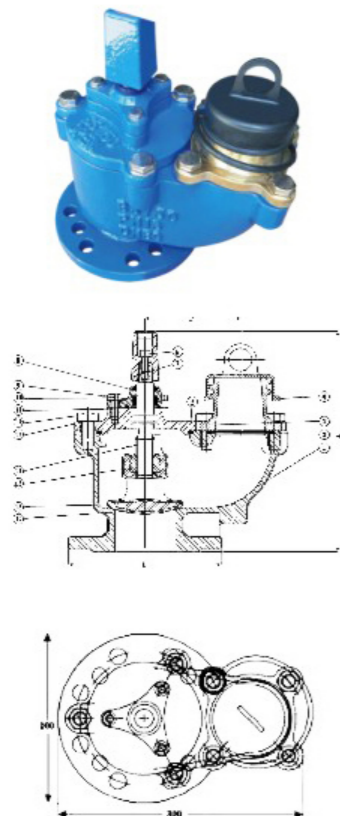
Materials of construction

No.	Description	Material
1	Body	Ductile iron, BS EN1563
2	Gland packing	O-rings NBR WN 12/7/1
3	Outlet	Gunmetal, BS EN1982 CC491K OR
4	Dust cap	Polythylene
5	Gland packing	O-rings NBR WN 12/7/1
6	Thrustcollar	For stainless steel 1.4404 (316)
7	Stemcap	Greycast iron, BS EN1561.EN-GL-250
8	Gland packing	NBR WN 12/7/1
9	Gland packing	NBR ISO 5597-1987
10	Thrustcollar	For stainless steel 1.4404 (316)
11	Gland packing	O-rings NBR WN 12/7/1
12	Thrustcollar	For stainless steel 1.4404 (316)
13	Bonnet	Ductile iron, BS EN1563 EN.GJS-500-7
14	Stem	For stainless steel 1.4404(316)
15	Stopperassembly	Complete with dzt brass
16	Stopperassembly	Ductile iron, BS EN1563. EN-GJS
17	Body/butlet seal	NBR WN 12/7/1

Dimensions & weights

REF NO	DN	L	H	L1	Weight
With automatic Forst valve		mm	mm	mm	kilos
29-288-32 x 11000	80	200	288	126	19

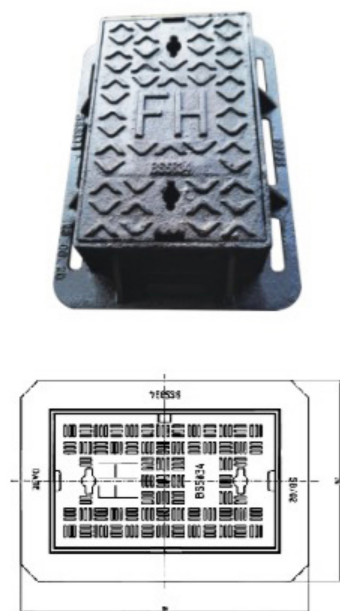
When ordering: x=1 for fixed stopper and 2 for loose



Hydrant box

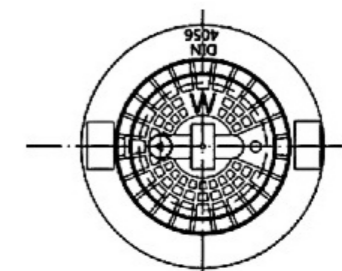
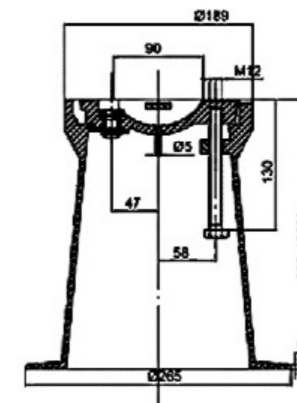
Technical Requirement

1. BS 5834 Standard (include BS 750)
2. Material: Ductile Iron
3. Words: 'FH', not less than 75mm
4. Frame Size: 230 x 380 x 125mm  
Overbase Size: 350 x 500
5. Coating: Black Bitumen



Valve shaft

Strainers & Pipe Fittings



Valve hole is the underground pipeline and underground pipeline, such as water, oil, natural gas pipeline, etc.) of the valve to open and close in the need for part of the network operation or maintenance is convenient, is set similar to the small room of a pit (or well), such as the valve installation in the pit, is advantageous for the periodic inspection, cleaning and dredge pipe, prevent blockage of hub. This pit is called the valve well.

Technical requirements

1. The valve well itself can not seepage water, must ensure its tightness;
2. During the use of the water supply pipeline, the pipeline will be subjected to pressure from different aspects, resulting in different degrees of vibration or settlement, that is, the connection between the water supply pipeline and the valve well should be reliable, able to adapt to a certain degree of vibration and settlement, without water infiltration into the well chamber; Cast iron valves (such as globe valve, butterfly valve, etc.) are generally used when the buried deep valve well pipe is a little larger (such as globe valve, butterfly valve, etc.).
3. The connection between the valve well wellbore and the well body and cover should be reliable. Water should not seep into the well chamber because of heavy rain or water.
4. The valve well is buried in the ground, to withstand different pressures from all directions, and different chemical corrosion and damage, and the requirements of its pressure capacity and acid and alkali corrosion resistance.

Material Specifications

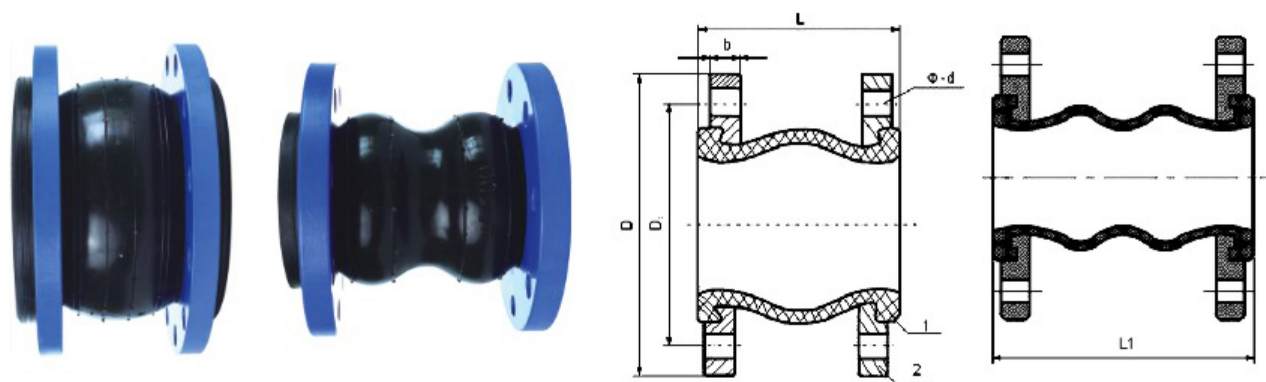
No.	Parts	Material
1	Body	DI, DI, WCB

Valve design

Technical specification	
Valve Design	BS 5834



DN50-DN600



**Application standards**

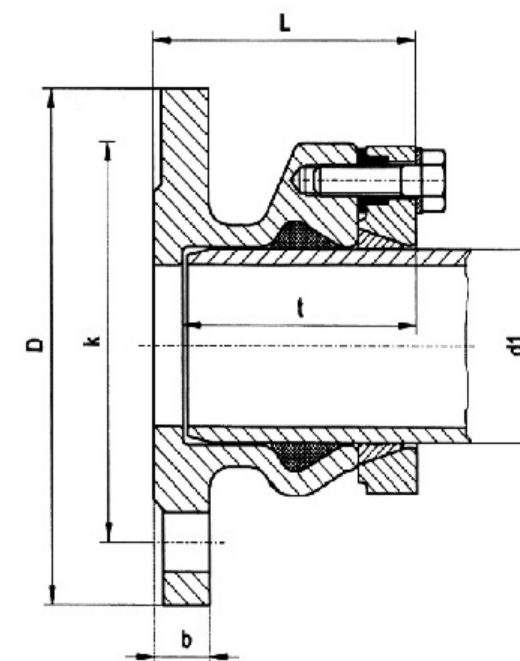
- Flange drilling: According to EN1092 PN10-16, ASME B 16.1-16.5
- Size scope: DN50-DN600
- Working temperature: NBR 0-70°C, EPDM 0-80°C
- Working pressure: PN10-16, Class 125-150
- Suitable medium: Water

**Material Specification:**

No.	Part Name	Material
1	Body	EPDM, NBR
2	Flange	Carbon steel

**Dimension (mm)**

DN	D	D1	B	Φ-n	L	L1
50	165	125	18	18-4	105	175
65	185	145	18	18-4	115	175
80	200	160	20	18-8	135	175
100	220	180	20	18-8	150	225
125	250	210	22	18-8	165	225
150	285	240	22	22-8	180	225
200	340	295	24	22-8	210	325
250	395	350	26	22-12	230	325
300	445	400	26	22-12	245	325
350	505	460	28	22-16	255	350
400	565	515	32	26-16	255	400
450	615	565	38	26-20	255	400
500	670	620	38	26-20	255	400
600	780	725	38	30-20	260	400

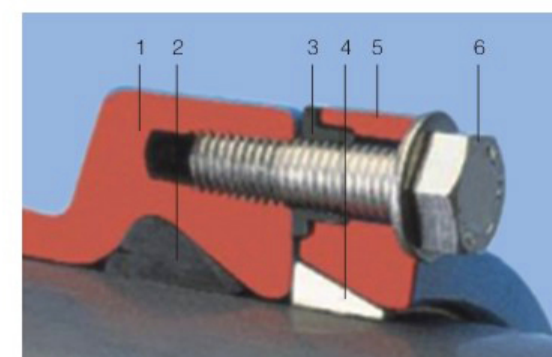


**Art. No.: HAWL2000**

Size	Pipe Φ	Dimensions					Weight
DN mm	d1 mm	D mm	k mm	b mm	l mm	t mm	kg
50	63	165	125	19	90	80	3.6
60	63	175	135	19	90	80	3.8
60	75	175	138	19	95	82	4.0
65	63	185	148	19	90	80	4.3
65	75	185	145	19	92	82	4.3
80	75	200	160	19	92	82	5.0
80	90	200	160	19	95	85	5.5
100	90	220	180	19	95	85	6.8
100	110	220	180	19	95	85	6.2
100	125	220	180	19	97	87	7.0
125	110	250	210	19	95	85	7.8
125	125	250	210	19	97	87	8.2
125	140	250	210	19	103	93	8.5
150	140	285	240	19	103	93	11.3
150	160	285	240	19	115	105	10.5
150	180	285	240	19	125	115	11.6
200	200	340	295	20	135	125	18.0
200	225	340	295	20	138	128	16.0
250	250	400	350	22	155	145	22.0
250	280	400	350	22	158	148	29.0
300	315	455	400	24.5	185	175	44.0

**Material Specification:**

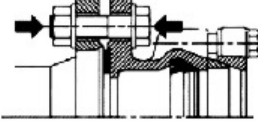
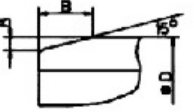
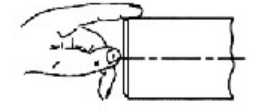
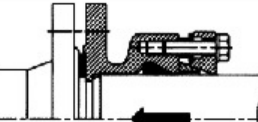
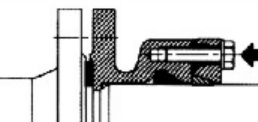
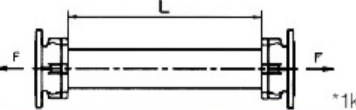
No.	Part Name	Material
1	Body	GGG450-10
2	Lip seal	EPDM
3	Spacer bush	PE
4	Grip ring	Brass MS58
5	Lock ring	GGG450-10
6	Bolts	Stainless steel



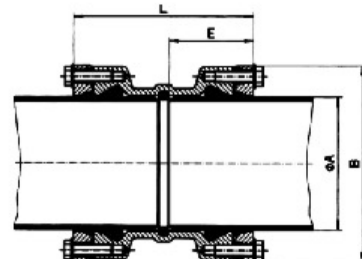
Note: Above flanges are PN10, flange PN16 are available.



Assembly instructions:

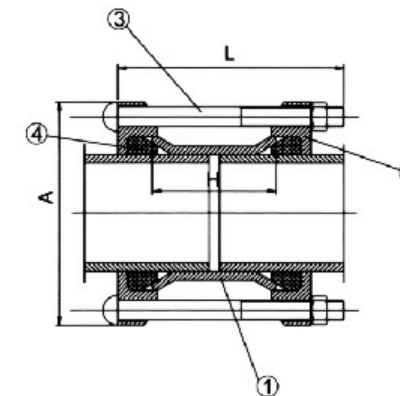
For flange adaptors: Bolt the flange to the mating flange first.																																											
Chamfer the pipe use lubricant (See page M 5/2) Do not use oil	 <table border="1" data-bbox="650 497 861 621"> <thead> <tr> <th>ΦD</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>63-40</td> <td>2.5</td> <td>10</td> </tr> <tr> <td>160-180</td> <td>4</td> <td>16</td> </tr> <tr> <td>200-225</td> <td>5</td> <td>20</td> </tr> <tr> <td>250-315</td> <td>7</td> <td>25</td> </tr> <tr> <td>355-450</td> <td>9</td> <td>35</td> </tr> </tbody> </table> 	ΦD	A	B	63-40	2.5	10	160-180	4	16	200-225	5	20	250-315	7	25	355-450	9	35																								
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160-180	4	16																																									
200-225	5	20																																									
250-315	7	25																																									
355-450	9	35																																									
Push the pipe to the end of the socket. For thinwalled PE-pipes (up to 3mm wall thickness) and low internal pressure we recommend using a support liner																																											
Tighten the lock ring bolts crosswise until lock ring is tight on bushes.																																											
<p><b>Tensile Testing:</b> The following maximum tensile loads have been established.</p> <p>Test data: WESDOM test laboratory tensile testing machine HDPE pipe (PE 80) DIN 8075-ONORM B 5172 PN10(Gas PN4) Data established by use of a support liner and under 0 bar internal pressure. Room temperature: 23°C Speed of tensile test (mm/min.): 0.1 x the free pipe length (L)</p> <p>This table shows the maximum end load capacity of a system 2000 connection, compared with the effective theoretical loads in a PE pipeline with 10 bar. A SYSTEM2000 connection provides a safety factor of 4 to 6 times!</p>	 *1kN=100kp <table border="1" data-bbox="876 1036 1391 1357"> <thead> <tr> <th>Pipe ΦA mm</th> <th>Theoretical tensile load-(kN*)at 10bar internal pressure</th> <th>Max. Tensile load established in tests-(kN*)</th> </tr> </thead> <tbody> <tr><td>63</td><td>3.15</td><td>20</td></tr> <tr><td>75</td><td>4.42</td><td>28</td></tr> <tr><td>90</td><td>6.37</td><td>38</td></tr> <tr><td>110</td><td>9.50</td><td>58</td></tr> <tr><td>125</td><td>12.27</td><td>63</td></tr> <tr><td>140</td><td>15.40</td><td>66</td></tr> <tr><td>160</td><td>20.10</td><td>98</td></tr> <tr><td>180</td><td>25.45</td><td>130</td></tr> <tr><td>200</td><td>31.40</td><td>145</td></tr> <tr><td>225</td><td>39.80</td><td>453</td></tr> <tr><td>250</td><td>49.10</td><td>233</td></tr> <tr><td>280</td><td>61.60</td><td>215</td></tr> <tr><td>315</td><td>77.80</td><td>270</td></tr> </tbody> </table>	Pipe ΦA mm	Theoretical tensile load-(kN*)at 10bar internal pressure	Max. Tensile load established in tests-(kN*)	63	3.15	20	75	4.42	28	90	6.37	38	110	9.50	58	125	12.27	63	140	15.40	66	160	20.10	98	180	25.45	130	200	31.40	145	225	39.80	453	250	49.10	233	280	61.60	215	315	77.80	270
Pipe ΦA mm	Theoretical tensile load-(kN*)at 10bar internal pressure	Max. Tensile load established in tests-(kN*)																																									
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225	39.80	453																																									
250	49.10	233																																									
280	61.60	215																																									
315	77.80	270																																									

Coupling



Pipe ΦA mm	L	E	B	Weight kg
63	171	80	124	3.2
75	175	82	138	4.0
90	171	85	152	5.4
110	171	85	172	6.4
125	175	87	193	7.8
140	197	93	210	9.0
160	221	105	236	12.0
180	241	113	258	14.5
200	261	125	284	21.5
225	265	128	314	26.0
250	300	145	347	33.0
280	306	148	376	38.5
315	358	174	422	58.5
355	464	237	472	96.0

EN14525



Universal coupling (wide range)

Art. No.:VJ1601

No.	Reference	Material	Standard
1	Sleeve	Steel/ductile Iron	S235/EN1563
2	End ring	Ductile Iron GGG450-10	EN1563
3	Bolt and nut	Steel 8.8 Dacromet/Zincd	ISO898-1
4	Gasket	EPDM/NBR	EN681-1
5	Coating	FBE/Rilsan Nylon	EN14901

Pipe Norm	Range	Bolt L	No.	A mm	H mm	Weight kgs	Pipe to fit					
							DI	ST	PVC	AC	CI	GRP
DN40	48-60	M12 x 170	2	150	98	2.4	★	▲				+
DN50	59-72	M12 x 170	2/4	156	98	2.5	★	▲	◆	○	+	
DN65	72-85	M12 x 170	2/4	174	98	3.2	★	▲		○	+	
DN80	88-103	M12 x 180	4	185	98	4.0	●	★	▲	◆	○	+
DN100	96-116	M12 x 180	4	205	98	4.5	●	★	▲	◆		
DN100	108-120	M12 x 190	4	210	98	4.6	●	★	▲			
DN100	105-125	M12 x 190	4	210	98	4.6	●	★	▲	◆	○	
DN100	109-128	M12 x 180	4	218	98	4.8	●	★	▲	◆	○	+
DN125	132-146	M12 x 180	4	240	98	6.1		★				+
DN125	138-153	M12 x 180	4	246	98	6.2		★			○	+
DN150	158-172	M12 x 200	4	275	105	7.0	●	★	▲			
DN150	155-175	M12 x 200	4	275	105	7.0	●	★	▲			
DN150	159-182	M12 x 200	4	280	110	7.2	●	★	▲	◆	○	+
DN175	192-210	M12 x 210	4	312	130	8.0		★			○	
DN200	198-225	M12 x 210	4	320	130	9.5	●	★	▲		○	+
DN200	218-235	M12 x 220	4/6	328	130	10.0	●	★	▲	◆	○	+
DN225	242-262	M12 x 220	6	360	130	12.0		★		◆	○	
DN250	250-267	M12 x 220	6	368	130	14.0			▲	◆	○	
DN250	250-274	M12 x 220	6	370	130	14.0	●	★	▲	◆	○	+
DN250	274-289	M12 x 220	6	382	130	14.0	●	★	▲	◆	○	+
DN300	315-332	M12 x 220	6	430	130	16.5	●	★	▲			+
DN300	322-339	M12 x 220	6	435	130	16.0	●	★		◆	○	+
DN350	340-360	M12 x 220	6/8	455	130	20.0		★	▲	◆	○	
DN350	351-378	M14 x 230	8	510	130	23.0	●	★	▲	◆		+
DN350	374-391	M14 x 230	8	520	130	24.0	●			◆		
DN400	390-410	M14 x 220	8	530	130	25.0		★	▲	◆		
DN400	398-430	M14 x 270	8	560	140	26.0	●	★	▲	◆	○	+
DN400	417-437	M14 x 240	8	555	130	28.0	●			◆	○	+
DN400	425-442	M14 x 270	8	560	130	28.0	●				○	+
DN450	450-463	M14 x 270	8	585	130	30.0		★	▲	◆	○	
DN450	455-475	M14 x 270	10	600	130	32.0		★		◆		
DN450	476-500	M14 x 270	10	620	130	36.0	●		▲	◆	○	
DN500	500-508	M16 x 270	10	620	130	38.0		★		◆	○	
DN500	500-533	M14 x 280	10	680	140	39.0	●	★	▲			+
DN500	526-546	M14 x 270	10	663	130	40.0	●			◆	○	+
DN600	600-630	M14 x 270	10	725	130	47.0		★		◆	○	
DN600	608-636	M14 x 270	10	740	130	48.0	●	★	▲			+
DN600	630-650	M14 x 270	10	745	130	50.0	●		▲		○	
DN700	710-739	M16 x 280	12	875	155	70.0	●	★	▲		○	+
DN800	816-842	M16 x 330	12	986	180	80.0	●			◆	○	+

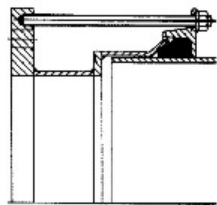
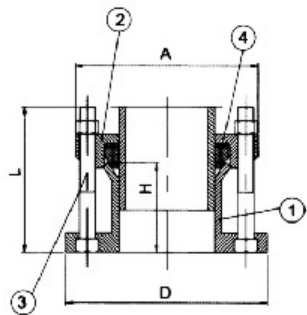


EN14525

**Universal flange adaptor (wide range)**

Art. No.: VJ1601

No.	Reference	Material	Standard
1	Body	Ductile Iron GGG450-10	EN1563
2	End ring	Ductile Iron GGG450-10	EN1563
3	Bolt and nut	Steel 8.8 Dacromet/Zincod	ISO 898-1
4	Gasket	EPDM/NBR	EN681-1
5	Coating	FBE/Rilsan Nylon	EN14901



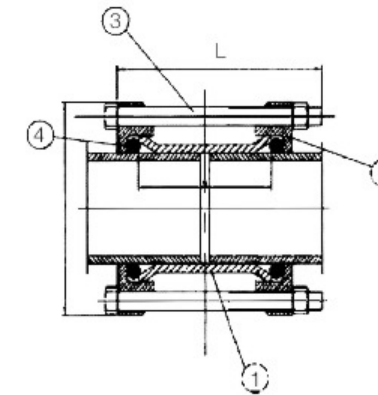
Pipe Norm	Range	Pressure Flange	Bolt		A mm	D mm	H mm	Weight kgs	Pipe to fit					
			L	No.					DI	ST	PVC	AC	CI	GRP
DN40	48-60	PN10/16	M12 x 130	2	150	150	80	2.8	★	▲				+
DN50	59-72	PN10/16	M12 x 130	2	156	165	80	3.0	★	▲	◆	○		+
DN65	72-85	PN10/16	M12 x 130	2	174	190	80	3.9	★	▲			○	+
DN80	88-103	PN10/16	M12 x 130	4	185	200	80	4.8	●	★	▲	◆	○	+
DN100	96-116	PN10/16	M12 x 130	4	205	220	80	5.0	●	★	▲	◆		
DN100	108-120	PN10/16	M12 x 130	4	210	220	80	5.3	●	★	▲	◆		
DN100	105-125	PN10/16	M12 x 130	4	210	220	80	5.3	●	★	▲	◆	○	
DN100	109-128	PN10/16	M12 x 130	4	218	220	80	5.5	●	★		◆	○	+
DN125	132-146	PN10/16	M12 x 140	4	240	250	80	6.5	★					+
DN125	138-153	PN10/16	M12 x 140	4	246	250	80	6.6	★				○	+
DN150	158-172	PN10/16	M12 x 140	4	275	285	80	7.5	●	★	▲			
DN150	155-175	PN10/16	M12 x 140	4	275	285	80	7.5	●	★	▲			
DN150	159-182	PN10/16	M12 x 140	4	280	285	80	7.6	●	★	▲	◆	○	+
DN175	192-210	PN10/16	M12 x 140	4	312	340	80	11.0	★	▲			○	
DN200	192-210	PN10/16	M12 x 140	4	312	340	80	11.2	★	▲			○	
DN200	198-225	PN10/16	M12 x 140	4	320	340	80	12.0	●	★	▲		○	+
DN200	218-235	PN10/16	M12 x 140	4	328	340	80	10.6	●	★	▲	◆	○	+
DN250	242-262	PN10/16	M12 x 140	6	360	400	85	14.0	★	▲	◆	○		
DN250	250-267	PN10/16	M12 x 140	6	368	400	85	14.5	★	▲	◆	○		
DN250	250-274	PN10/16	M12 x 150	6	370	400	85	14.8	●	★	▲	◆	○	+
DN250	272-289	PN10/16	M12 x 150	6	382	400	85	14.9	●	★	▲	◆	○	+
DN300	315-332	PN10/16	M12 x 150	6	430	455	85	17.9	●	★	▲	◆	○	+
DN300	322-339	PN10/16	M12 x 150	6	435	455	85	17.0	●	★	▲	◆	○	+
DN300	340-360	PN16	-M12 x 170	6	455	455	85	35.0	★	▲	◆	○		
DN350	340-360	PN10/16	M14 x 190	8	455	520	115	28.0	★	▲	◆	○		
DN350	351-378	PN10/16	M14 x 170	8	510	520	108	28.0	●	★	▲	◆	○	+
DN350	374-391	PN10/16	M14 x 180	8	520	520	108	30.4	●					
DN400	390-410	PN10/16	M14 x 150	8	530	580	108	33.5	★	▲	◆			
DN400	398-430	PN10/16	M14 x 210	8	560	580	108	34.0	●	★	▲	◆	○	+
DN400	417-437	PN10/16	M14 x 180	8	555	580	108	35.0	●			◆	○	+
DN400	425-442	PN10/16	M14 x 180	8	560	580	108	34.1	●				○	+
DN400	450-463	PN16	-M14 x 180	8	585	580	108	40.0	★	▲	◆	○		
DN450	455-475	PN10/16	M14 x 180	10	600	640	108	32.0	★		◆			
DN450	476-500	PN10/16	M14 x 180	10	620	640	108	34.0	●	★	▲	◆	○	
DN500	500-508	PN10/16	M14 x 180	10	620	715	114	49.5	★	▲	◆	○		
DN500	500-533	PN10/16	M14 x 210	10	680	715	124	50.0	●	★	▲			+
DN500	526-546	PN10/16	M14 x 180	10	663	715	114	49.0	●			◆	○	+
DN600	600-630	PN10/16	M14 x 180	10	725	840	114	60.0	★	▲	◆	○		
DN600	608-636	PN10/16	M14 x 200	10	740	840	130	78.2	●	★	▲			+
DN600	630-650	PN10/16	M14 x 180	10	745	840	118	66.5	●	★	▲		○	+
DN700	710-739	PN10/16	M16 x 180	12	875	910	114	72.0	●	★	▲		○	+
DN800	816-842	PN10/16	M16 x 230	12	986	1025	128	120			◆	○	+	

Note: 1. \*\*\* New developed range. 2. Flange drilling PN25 and Ansi C150 available.

EN14525

**Ductile iron pipe joints**

**Gibault joint for PVC pipes**



Pressure: PN10/PN16  
Field: Water and Irrigation  
Coating: Epoxy FBE/Bitumen



No.	Reference	Material
1	Sleeve	Ductile iron/Grey iron
2	End ring	Ductile iron/Grey iron
3	Bolt & Nut	Steel zincod/Dacromet
4	Gasket	EPDM/NBR

Art. No.: WD7610

Size	Bolt		A mm	H mm	Weight kg
	L	Qty			
DE63	M10 x 160	2	147	90	1.5
DE75	M10 x 160	2	149	90	1.7
DE90	M10 x 170	2	164	100	2.0
DE110	M10 x 180	3	184	100	2.8
DE125	M12 x 180	3	199	100	3.4
DE140	M12 x 200	3	214	116	3.9
DE160	M12 x 210	3	234	130	5.5
DE180	M12 x 220	3	254	140	7.0
DE200	M12 x 230	3	274	150	8.5
DE250	M14 x 250	3	341	155	12.5
DE315	M14 x 260	4	406	170	18.0
DE400	M14 x 280	6	495	180	20.0
DE500	M14 x 280	8	592	180	24.0

**Stopped flange adaptor for PVC/PE pipe**

Stopped material: Ductile with decromet

Pressure: DN 10/16

Size: DN63-315



Art. No.: WD7620

**Flange adaptor for PVC pipe**

Material: GGG100-10 with FBE coating

Pressure: DN 10/16

Size: DN63-315



Art. No.: Wd7630

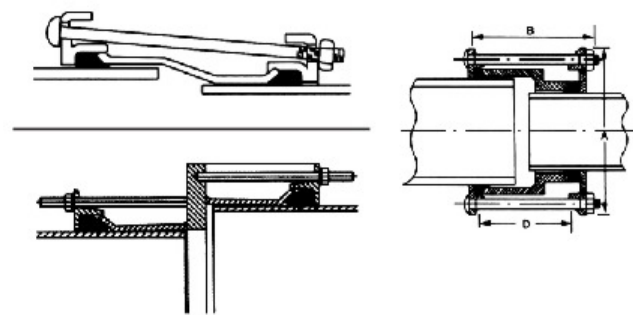


EN14525

Stepped coupling (wide range/dedicated)



Wide range sizes	DN50-600
Dedicated type sizes	DN80-1200
Max. Pressure	16bar



Art. No.: VJ4610

Nominal bore (mm)	Nominal bore (mm)	Approx mass (kg)
50/65	59-72/72-85	2.6
65/80	72-85/88-103	3.0
80/100	88-103/109-128	4.6
100/125	109-125/138-153	5.2
125/150	138-153/159-182	6.4
150/175	159-182/192-210	7.2
175/200	192-210/218-238	12.4
200/250	218-235/250/267	16.8
250/250+	242-262/272-289	22.4
250/300	272-289/315-332	30.0
*200/250	190-230/215-258	20.0

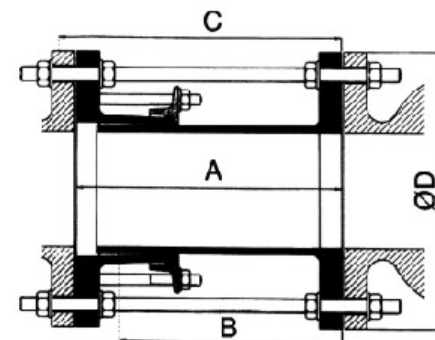
Dismantling joint VJ type

Pressure: PN10, PN16, PN25, PN40

Material: Ductile iron or fabricated carbon steel

Size: DN50-DN600

Art. No.: VJ5610



BSEN545/ISO2531

Saddle clamp for ductile iron pipes



Specification

No.	Part	Material
1	Upper Body	GGG450-10
2	Lower Body	GGG450-10
3	Gasket	EPDM
4	Gasket support	Brass MS58
5	Bolt/nuts	Steel Zincd

Art. No.: WD4710

Main pipe DN	Thread Outlet	Ductile iron OD	Asbestos cement Max. OD
80	3/4"-1"-1 1/4"-1 1/2"	98	96
100	1"-1 1/4"-1 1/2"-2"	118	122
125	1"-1 1/4"-1 1/2"-2"	144	148
150	1"-1 1/4"-1 1/2"-2"	170	174
175	1"-1 1/4"-1 1/2"-2"	195	199
200	1"-1 1/4"-1 1/2"-2"	222	226
250	1"-1 1/4"-1 1/2"-2"-2 1/2"-3"	274	278
300	1"-1 1/4"-1 1/2"-2"-2 1/2"-3"	326	330

Saddle for PVC pipes



Pressure: PN10/PN16  
 Material: Grey iron GG20  
 Coating: Epoxy FBE/Bitumen  
 Field: Water and Irrigation

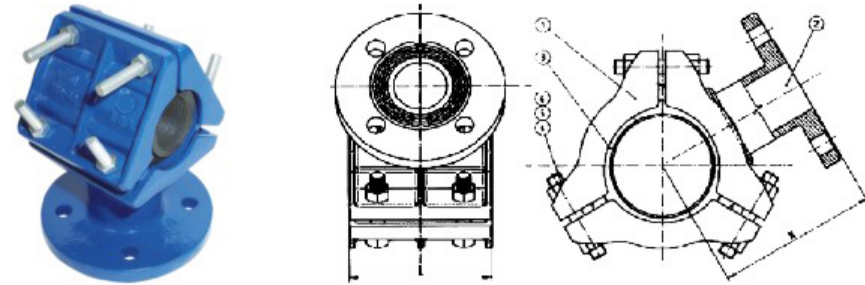
Art. No.: WD4720

Main pipe DN	Thread Outlet
40	3/4"
40	1"
50	3/4"-1"
63	3/4"-1"
75	3/4"-1"
75	1 1/4"-1 1/2"
90	3/4"-1"
90	1 1/4"-1 1/2"
110	3/4"-1"-1 1/4"-1 1/2"
110	2"-2 1/2"-3"
125	3/4"-1"-1 1/4"-1 1/2"
125	2"-2 1/2"-3"
140	3/4"-1"-1 1/4"-1 1/2"
140	2"-2 1/2"-3"
160	3/4"-1"-1 1/4"-1 1/2"
160	2"-2 1/2"-3"
180	1"-1 1/4"-1 1/2"
180	2"-2 1/2"-3"
200	1"-1 1/4"-1 1/2"
200	2"-2 1/2"-3"
250	1"-1 1/4"-1 1/2"
250	2"-2 1/2"-3"
315	2"-2 1/2"-3"



BSEN545/ISO2531

Triple tapping saddle



Art. No.: WD4810

DN	Diameter [mm] min.-max.	Weight [kg]	Bolts	Length [mm]	Flange DN	H [mm]
80	87-106	14.50	6 x M16	170	50-60	1/2 D+190
100	108-126	16.50	6 x M16	170	50-80	1/2 D+190
125	135-160	24.00	6 x M16	185	50-100	1/2 D+190
150	159-184	25.00	6 x M16	220	50-125	1/2 D+190
175	190-220	26.00	9 x M16	275	50-150	1/2 D+190
200	210-240	31.00	9 x M16	275	50-150	1/2 D+190
225	240-255	32.00	9 x M16	280	50-150	1/2 D+190
250	250-288	68.00	9 x M20	365	50-150	1/2 D+190
275	290-312	75.00	9 x M20	365	50-150	1/2 D+190
300	312-345 or 302-335	82.00	12 x M20	420	50-150	1/2 D+190
350	360-390 or 350-380	100.00	12 x M20	425	50-150	1/2 D+190
400	410-460 or 400-450	117.00	12 x M20	430	50-150	1/2 D+190
450	460-510 or 450-500	125.00	12 x M20	420	50-200	1/2 D+190
500	510-570 or 500-560	140.00	12 x M20	420	50-200	1/2 D+190
550	570-620 or 560-610	145.00	12 x M20	420	50-200	1/2 D+190
600	620-680 or 610-670	150.00	12 x M20	420	50-200	1/2 D+190
700	730-800 or 720-790	170.00	12 x M20	420	50-200	1/2 D+190
800	810-860 or 800-850	190.00	12 x M20	420	50-200	1/2 D+190

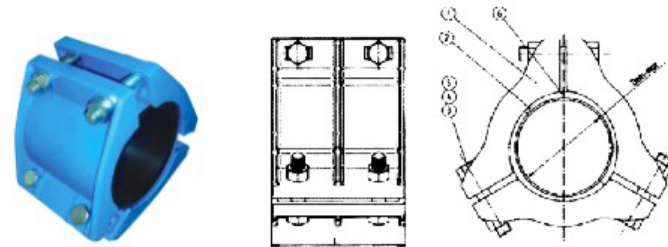
Universal triple repair clamp

Use:

Connections and repair pipes made of various materials.

Materials:

1. -Body -ductile cast iron protected with epoxy powder coating.
2. -Gasket -EPDM or NBR rubber.

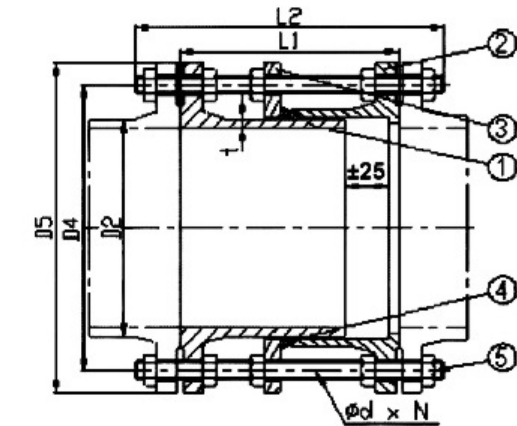


Art. No.: WD4810

DN	Diameter [mm] min.-max.	Weight [kg]	Bolts	Length [mm]
60	65-82	8.00	6 x M12	140
80	87-106	9.50	6 x M16	170
100	108-126	11.50	6 x M16	170
125	135-160	19.00	6 x M16	185
150	159-184	18.00	6 x M16	220
175	190-220	20.00	9 x M16	275
200	210-240	23.00	9 x M16	275
225	240-255	24.00	9 x M16	280
250	250-288	60.00	9 x M20	365
275	290-312	65.00	9 x M20	365
300	312-345 or 302-335	72.00	12 x M20	420
350	360-390 or 350-380	90.00	12 x M20	425
400	410-460 or 400-450	107.00	12 x M20	430
450	460-510 or 450-500	115.00	12 x M20	420
500	510-570 or 500-560	130.00	12 x M20	420
550	570-620 or 560-610	135.00	12 x M20	420
600	620-680 or 610-670	140.00	12 x M20	420
700	730-800 or 720-790	160.00	12 x M20	420
800	810-860 or 800-850	180.00	12 x M20	420

BSEN545/ISO2531

Dismantling joint rigid type flange drilled to PN10



No.	Part name	Material
1	Flange spigot	Ductile iron GGG400-10
2	Flange body	Ductile iron GGG400-10
3	Retainer	Ductile iron GGG400-10
4	Gasket	EPDM/NBR
5	Tie rod	Steel zincd / dacromet

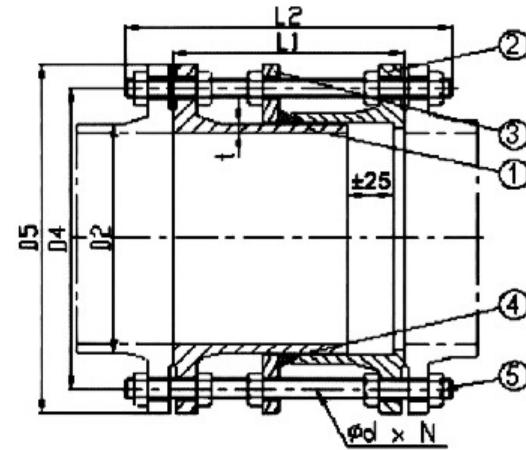
Art. No.: WD8610

DN	D2	D4	D5	L1	L2	d(Φ)	N	t	WT (kg)
50	62	125	165	180	330	M16	4	6.0	8.0
65	78	145	185	180	330	M16	4	6.0	12.0
80	98	160	200	200	340	M16	8	7.0	16.0
100	118	180	220	200	340	M16	8	7.5	19.0
125	144	210	250	200	340	M16	8	7.5	20.0
150	170	240	285	200	340	M20	8	8.0	29.0
200	222	295	340	220	350	M20	8	8.5	37.0
250	274	350	400	230	370	M20	12	9.0	51.0
300	326	400	455	230	390	M20	12	10.0	63.0
350	378	460	505	260	400	M20	16	10.5	83.0
400	429	515	565	260	420	M24	16	11.0	100.0
450	480	565	615	270	435	M24	20	11.5	125.0
500	532	620	670	280	440	M24	20	12.0	132.0
600	635	725	780	300	460	M27	20	13.5	185.0
700	738	840	895	300	480	M27	24	14.5	226.0
800	842	950	1015	320	500	M30	24	16.0	305.0
900	945	1050	1115	320	500	M30	28	17.0	375.0
1000	1048	1160	1230	340	545	M33	28	18.0	425.0
1100	1152	1270	1340	350	545	M33	32	19.5	600.0
1200	1255	1380	1455	360	580	M36	32	20.5	651.0
1400	1462	1590	1675	390	680	M39	36	23.0	917.0
1500	1565	1700	1785	410	680	M39	36	24.0	1200.0
1600	1668	1820	1915	420	700	M45	40	25.5	1285.0
1800	1875	2020	2115	440	720	M45	44	28.0	2050.0
2000	2082	2230	2325	460	720	M45	48	30.0	2500.0



BSEN545/ISO2531

Dismantling joint rigid type flange drilled to PN16



No.	Part name	Material
1	Flange spigot	Ductile iron GGG400-10
2	Flange body	Ductile iron GGG400-10
3	Retainer	Ductile iron GGG400-10
4	Gasket	EPDM/NBR
5	Tie rod	Steel zincd / dacromet

Art. No.: WD8616

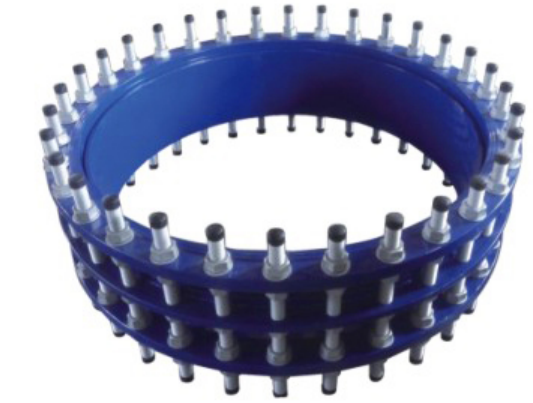
DN	D2	D4	D5	L1	L2	d(Φ)	N	t	WT (kg)
50	62	125	165	180	330	M16	4	6.0	8.0
65	78	145	185	180	330	M16	4	6.0	12.0
80	98	160	200	200	340	M16	8	7.0	16.0
100	118	180	220	200	340	M16	8	7.5	19.0
125	144	210	250	200	340	M16	8	7.5	20.0
150	170	240	285	200	340	M20	8	8.0	29.0
200	222	295	340	220	350	M20	12	8.5	41.0
250	274	355	400	230	380	M24	12	9.0	58.0
300	326	410	455	230	400	M24	12	10.0	70.0
350	378	470	520	260	410	M24	16	10.5	93.0
400	429	525	580	260	430	M27	16	11.0	120.0
450	480	585	640	270	450	M27	20	11.5	150.0
500	532	650	715	280	460	M30	20	12.0	200.0
600	635	770	840	300	500	M33	20	13.5	279.0
700	738	840	910	300	500	M33	24	14.5	280.0
800	842	950	1025	320	530	M36	24	16.0	385.0
900	945	1050	1125	320	530	M36	28	17.0	460.0
1000	1048	1170	1255	340	570	M39	28	18.0	580.0
1100	1152	1270	1355	350	570	M39	32	19.5	700.0
1200	1255	1390	1485	360	620	M45	32	20.5	860.0
1400	1462	1590	1685	400	680	M45	36	23.0	1020.0
1500	1565	1710	1820	400	700	M52	36	24.0	1400.0
1600	1668	1820	1930	440	750	M52	40	25.5	1600.0
1800	1875	2020	2130	440	750	M52	44	28.0	2100.0
2000	2082	2230	2345	460	750	M56	48	30.0	2650.0

BSEN545/ISO2531

Dismantling joint Class PN25

Art. No.: WD8625

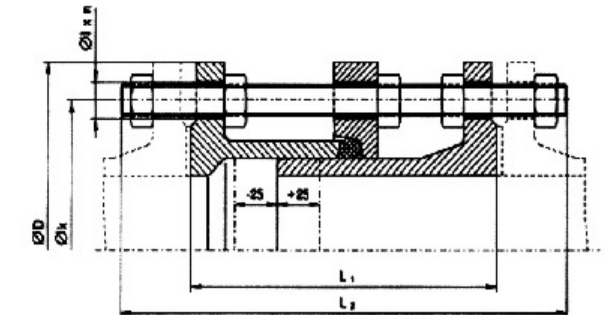
DN	D	k	n	l	L1	L2	Gewicht weight
mm	mm	mm		mm	mm	mm	kg
80	200	160	8	19	200	340	25
100	235	190	8	23	200	340	29
125	270	220	8	28	200	340	36
150	300	250	8	28	200	350	49
200	360	310	12	28	220	370	73
250	425	370	12	31	230	390	106
300	485	430	16	31	245	410	130
350	555	490	16	34	250	430	180
400	620	550	16	37	260	460	223
450	670	600	20	37	275	480	266
500	730	660	20	37	280	480	340
600	845	770	20	40	305	530	465
700	960	875	24	43	305	540	515
800	1085	990	24	49	330	590	672
900	1185	1090	28	49	330	600	767
1000	1320	1210	28	56	350	640	1008
1200	1530	1420	32	56	380	680	1500



Dismantling joint Class PN40

Art. No.: WD8640

DN	D	k	n	l	L1	L2	Gewicht weight
mm	mm	mm		mm	mm	mm	kg
80	200	160	8	19	230	380	29
100	235	190	8	23	240	390	35
125	270	220	8	28	240	390	43
150	300	250	8	28	250	400	56
200	375	320	12	31	250	400	96
250	450	385	12	34	270	440	132
300	515	450	16	34	270	440	169
350	580	510	16	37	290	460	241
400	660	585	16	40	300	500	289
450	685	610	20	40	300	500	380
500	755	670	20	43	320	510	452
600	890	795	20	49	340	550	588
700	995	900	24	49	380	570	635
800	1140	1030	24	56	380	620	842
900	1250	1140	28	56	380	620	946
1000	1360	1250	28	56	420	670	1450
1200	1575	1460	32	62	450	720	1665





BSEN545/ISO2531

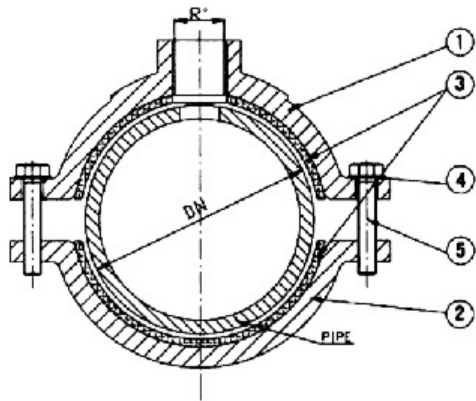
Ductile iron saddle for PVC/PE pipe



No.	Reference	Material	Standard
1	Body	GGG450-10	EN1563
2	Cover	GGG450-10	EN1563
3	Gasket	EPDM/NBR	EN681
4	Washer	SS A2-70	
5	Bolt	SS A2-70	

Art. No.: WD4120

Weight Pipe	R"	Pipe				
		3/4"	1"	1 1/4"	1 1/2"	2"
DN50	1.35	1.35	1.35	1.35	1.35	
DN63	2.00	2.00	2.00	2.00	2.00	2.00
DN75	2.35	2.35	2.35	2.35	2.35	2.35
DN90	2.50	2.50	2.50	2.50	2.50	2.50
DN110	3.80	3.80	3.80	3.80	3.80	3.80
DN125	4.70	4.70	4.70	4.70	4.70	4.70
DN140	5.70	5.70	5.70	5.70	5.70	5.70
DN160	6.15	6.15	6.15	6.15	6.15	6.15
DN180	8.70	8.70	8.70	8.70	8.70	8.70
DN200	9.80	9.80	9.80	9.80	9.80	9.80
DN225	13.50	13.50	13.50	13.50	13.50	13.50
DN250	15.00	15.00	15.00	15.00	15.00	15.00
DN315	19.00	19.00	19.00	19.00	19.00	19.00



Saddle with flange outlet for PVC/PE pipe

Material: GGG450-10

Coating: FBE/Painting

Size: DE63-315

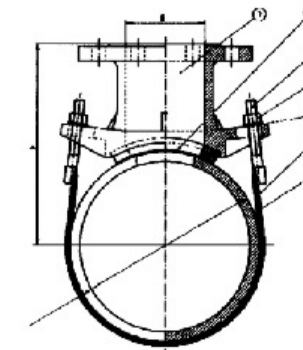
Pressure: PN10/PN16

Quick saddle for PVC pipes



BSEN545/ISO2531

- Ductile iron GGG-40 epoxy coated outlet flange.
- EPDM gasket according to UNE EN 681/1.
- Mechanical insertion of the gasket in order to guarantee major watertightness.



ANSI-304 stainless steel strap

Saddle range for flange head type

Art. No.: WD3210

DN	Main Pipe	PN	Bards No.
40	80/1000	10-16	2
50	80/700	10-16	2
60/65	100/700	10-16	2
80	125/700	10-16	2
100	150/500	10-16	2
125	200/600	10-16	2
150	300/500	10-16	3
150	500/900	10-16	3



Saddle range for thread head type

Art. No.: WD3200

Main Pipe OD range(mm)	Saddle 3 size(mm)		
	50-200	100-300	150-400
60-77	●		
77-95	●		
98-119	●		
125-135	●	●	
139-160	●	●	
150-180	●	●	
170-195	●	●	
200-230		●	●
230-250		●	●
250-280		●	●
285-315		●	●
315-340		●	●
355-380		●	●
385-410		●	●
410-435		●	●
Tapping thread	1/2-1"	1/2-2"	1-3"





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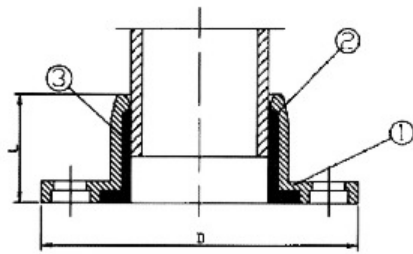
Quick flange adaptor for PE/PVC pipe (and DI pipe)



For PVC pipe



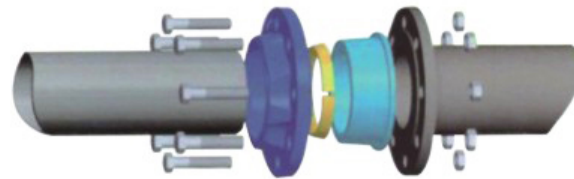
For PE pipe



Art. No.: WD5210

No.	Name	Material	Standard
1	Body	Ductile iron	EN1563
2	Rubber	EPDM/NBR	EN681-1
3	Grip ring	Brass	Cuzn36Pb3

PN10/PN16(Multi flange holes)				
Size	Pipe OD	L	D	Weight(kg)
DN40-50	50	50	165	1.7
DN50	63	55	165	1.8
DN60-65	63	55	185	2.4
DN60-65	75	58	185	2.2
DN80	90	60	200	2.8
DN100	110	68	220	4.0
DN125	125	70	250	4.2
DN125	140	75	250	4.1
DN150	160	80	285	6.5
DN200	200	90	340	8.5
DN200	225	93	340	8.0
DN250	250	95	400	12.5
DN300	315	100	455	15.0
DN400	400	120	580	25.0



Major stop flange adaptor



Art. No.: WD5310



Quick adaptor for DI pipes



Simple version



Anchored version

Art. No.: WD5410



# WESDOM GROUP

To provide products, services and solutions while implementing sustainable development, to energy conservation and environmental protection for the benefit of society

