

GVP[®] VALVE

Air Valve and Ball Valve Series

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- Single Ball Air Valves
- Double Ball Air Valves
- Ball Valves
- Cast Iron DIN Ball Valves
- Cast Iron Ball Valve
- ANSI Cast Iron Ball Valve
- Wafer Type Cast Iron Ball Valve



安徽方兴实业股份有限公司
ANHUI FANGXING INDUSTRIAL CO., LTD.

BRIEF INTRODUCTION

Anhui Fangxing Industrial Co., Ltd, with over 20 years of valve manufacturing history since 1994, is a professional enterprise specialized in R&D, manufacturing and sales of valves and pipe-fittings, covering an area of more than 100,000 square meters with 88 million yuan of registered capital. Under the company are five subsidiaries including Fangxing International Trade Co., Fangxing Casting Co., Yongxing Casting Co., Zhenqing Logistics Co. etc., and it possesses two self-owned brands named "GVP" and "Fangxing", with more than 200 employees. In addition, our company has set up the provincial technology R&D center and equipped with precise production, machining and testing equipments, with annual output of 200,000 valves and 10,000 tons of castings, which ensures Fangxing as the leading manufacturing enterprise of water supply valves in China, as well as Anhui key production and export enterprise of mechanical and electrical products.

Fangxing owns the manufacturing license qualification of pressure pipeline equipment, and is the licensed enterprise to manufacture national water-saving and water sanitation security products. We strictly execute the international 6S on-site management system and quality control system, and participated to formulate Chinese national standard "resilient seated gate valve for water supply system", successively passed ISO 9001 quality management system certification, ISO 14001 Environment Management System Certification, OHSAS18001 Occupational Health Management System Certification, and our main products passed CE European Conformity Certification, Britain WRAS Water Regulations Advisory Scheme, French ACS Sanitation Conformity Certification, Russian GOST National Quality System Certification as well as EN1074 Type Approval Certification.

We provide high quality valves and pipe fittings to the water industrial systems of the world based on the international standard and first-class quality.



PRODUCTION AND EQUIPMENT

Quality is the life of the enterprise, the company carries forward the enterprise culture and implements quality guarantee system internally, and transmits enterprise spirit and establishes brand conception externally, to ensure product quality, our company has been equipped with first class production and inspection equipment.



COMPANY QUALIFICATION

Honor originates from devotion, every recognized certificate concentrates struggling efforts of FANGXING personnel, and every honor is our golden card and passport, they are our road signs and our experiences.

WE ARE

- Member of China Valves Association
- Anhui Famous Brand
- "Class AA company" of Chinese Customs
- High-tech Enterprise
- Accredited Technical Center

WE ARE APPROVED BY

- ISO9001
- ISO14001
- OHSAS 18001
- CE
- EN1074
- WRAS
- ACS
- GOST



WRAS **CE**



TEST & INSPECTION FACILITIES



01



02



03



04



05



06



07



08



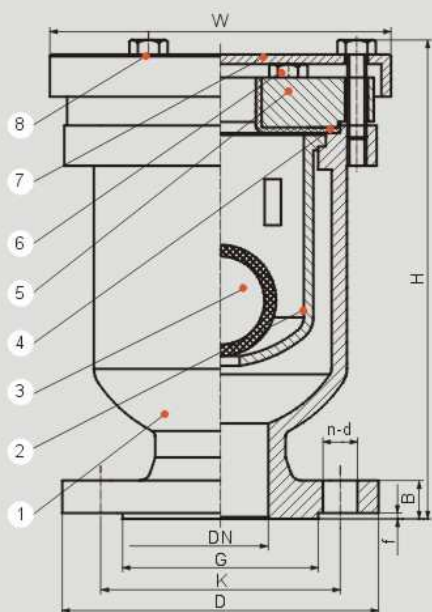
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SINGLE BALL AIR VALVES

DN50-DN200, 2"-8"



APPLICATION STANDARDS

- Working pressure: PN 10/16
- Working temperature: 0-80°C
- Flange drilled is according to: EN 1092:1997-PN 10/16

PARTS LIST

No.	Part Name	Material
1	Body	Cast iron
2	Bucket	Cast iron
3	Ball float	ABS
4	Gasket	NBR

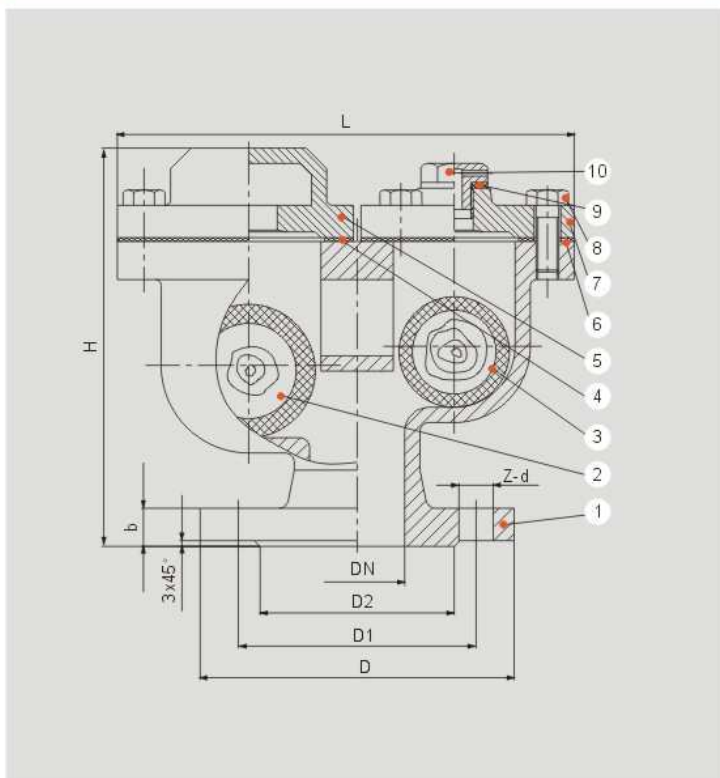
No.	Part Name	Material
8	Inside cover	Cast iron
9	Bolt	Carbon steel
10	Outside cover	Cast iron
11	Bolt	Carbon steel

DIMENSIONS

DN	W	D	K		G		f	B	n-d	
			PN10	PN16	PN10	PN16			PN10	PN16
40	166	150	110		84		3	18	4-19	4-19
50	178	165	125		99		3	20	4-19	4-19
65	199	185	145		118		3	20	4-19	4-19
80	202	200	160		132		3	22	8-19	8-19
100	233	220	180		156		3	24	8-19	8-19
150	282	285	240		211		3	26	8-23	8-23

DOUBLE BALL AIR VALVES

DN50-DN100, 2"-4"



APPLICATION STANDARDS

- Flange drilling: according to EN 1092 PN10-16
- Size scope: DN50-DN100
- Working temperature: 0-80 °C
- Working pressure: PN 10-16
- Suitable medium: water
- Coating: epoxy coating with thickness $\geq 250\mu\text{m}$ or painting with thicknss $\geq 80\mu\text{m}$

PARTS LIST

No.	Part Name	Material
1	BODY	GRAY CAST IRON
2	BIG FLOAT BALL	NBR
3	LIFFLE FLOAT BALL	NBR
4	GASKET	NBR
5	COVER	GRAY CAST IRON

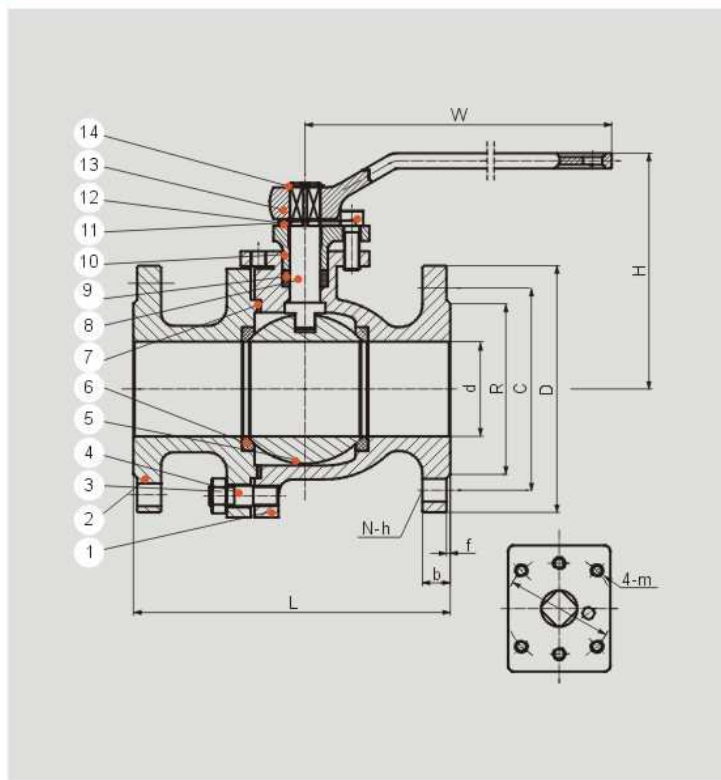
No.	Part Name	Material
6	GASKET	NBR
7	COVER	GRAY CAST IRON
8	NUT	CARBON STEEL
9	MILIPAD	NYL
10	BOLT	BRASS

DIMENSIONS

DN	D	D1	D2	L	b	H	Z-d
Φ50	Φ165	Φ125	Φ102	240	20	382	4-Φ18
Φ65	Φ185	Φ145	Φ122	256	20	405	4-Φ18
Φ80	Φ200	Φ160	Φ138	305	22	454	8-Φ18
Φ100	Φ220	Φ180	Φ158	328	24	470	8-Φ18

BALL VALVES

DN15-DN100(DIN F4), DN125-DN250(DIN F5), 1/2"-10"



PARTS LIST

No.	Part Name	Material
1	Body	Cast iron
2	Bonnet	Cast iron
3	Nut	Carbon steel
4	Bolting	Carbon steel
5	Ball	Stainless steel
6	Seat	PTFE
7	Gasket	PTFE
8	Stem	Stainless steel
9	Stem Packing	PTFE
10	Gland flange	Cast iron
11	Gland bolt	Carbon steel
12	Stop collar	Carbon steel
13	Lever	Ductile iron
14	Circlip	Carbon steel

APPLICATION STANDARDS

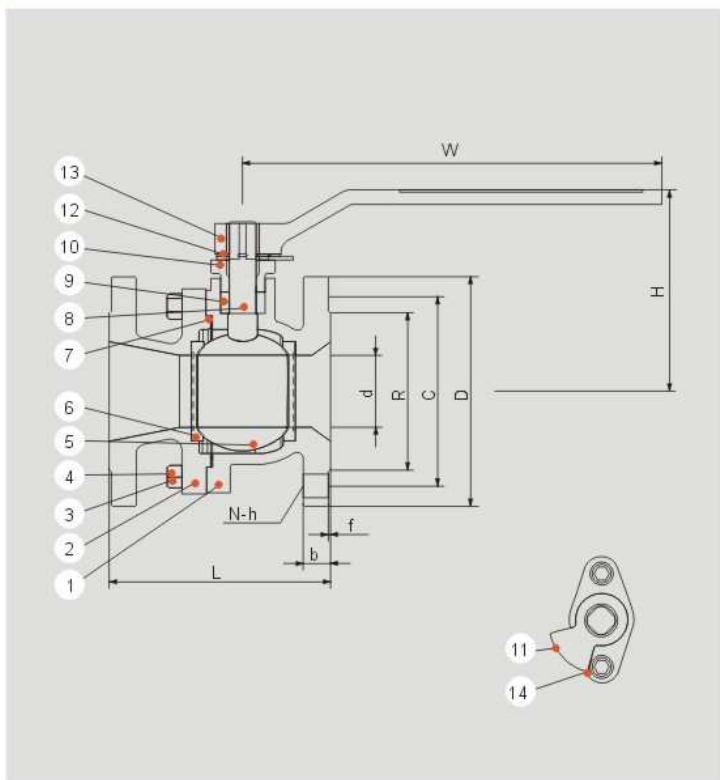
- Design standard: DIN 3357
- Face to face according to EN558-1 series 14 (DIN F4), series 15 (DIN F5), ASME B16.10.
- Flange end drilling is according to EN1092 PN10-16, ASME B16.1-16.5
- Size scope: DN15-DN100(DIN F4), DN125-DN250(DIN F5), 1/2"-10"
- Working temperature: 0-80°C
- Working pressure: PN10-16, Class 125-150
- Suitable medium: Water
- Coating: Epoxy coating with thickness $\geq 250\mu\text{m}$ or painting with thickness $\geq 80\mu\text{m}$

DIMENSIONS

DN	d	L	H	W	D	C	R	b	N-h	f	Φ	4-m
15	15	115	78	130	95	65	45	14	4- $\Phi 14$	2	42	M5
20	20	120	113	160	105	75	58	16	4- $\Phi 14$	2	42	M5
25	25	125	107	160	115	85	68	16	4- $\Phi 14$	2	42	M5
32	32	130	113	160	140	100	78	18	4- $\Phi 18$	2	50	M6
40	40	140	130	250	150	110	88	18	4- $\Phi 18$	3	50	M6
50	50	150	146	250	165	125	102	20	4- $\Phi 18$	3	70	M8
65	65	170	176	350	185	145	122	20	4- $\Phi 18$	3	102	M10
80	80	180	222	350	200	160	138	22	8- $\Phi 18$	3	102	M10
100	100	190	300	400	220	180	158	24	8- $\Phi 18$	3	102	M10
125	125	325	325	600	250	210	188	26	8- $\Phi 18$	3	125	M12
150	150	350	350	600	285	240	212	26	8- $\Phi 23$	3	140	M16
200	200	400	-	-	340	295	268	30	12- $\Phi 23$	3	165	$\Phi 20$
250	250	450	-	-	405	355	320	32	12- $\Phi 27$	3	165	$\Phi 20$

DIN Reduced Bore Cast Iron Ball Valve

DN50-DN200



PARTS LIST

No.	Part Name	Material
1	Body	Cast iron(GG25/GGG40)
2	Bonnet	Cast iron(GG25/GGG40)
3	Nut	Carbon Steel
4	Bolting	Carbon Steel
5	Ball	Stainless steel(SS304/316)
6	Seat	PTFE/RPTFE/TFM1600
7	Gasket	PTFE
8	Stem	Stainless steel(SS304/316)
9	Stem Packing	PTFE
10	Gland Flange	Cast iron(GG25/GGG40)
11	Stop Collar	Carbon Steel
12	Circlip	Steel
13	Lever	Ductile iron(GGG40)
14	Gland Bolt	Carbon Steel

APPLICATION STANDARDS

- Design and Manufacture: DIN3357/EN 12516
- Face to Face: DIN3202/EN558-1
 - DN 15-DN 100(F4/14)
 - DN 125-DN250(F5/15)

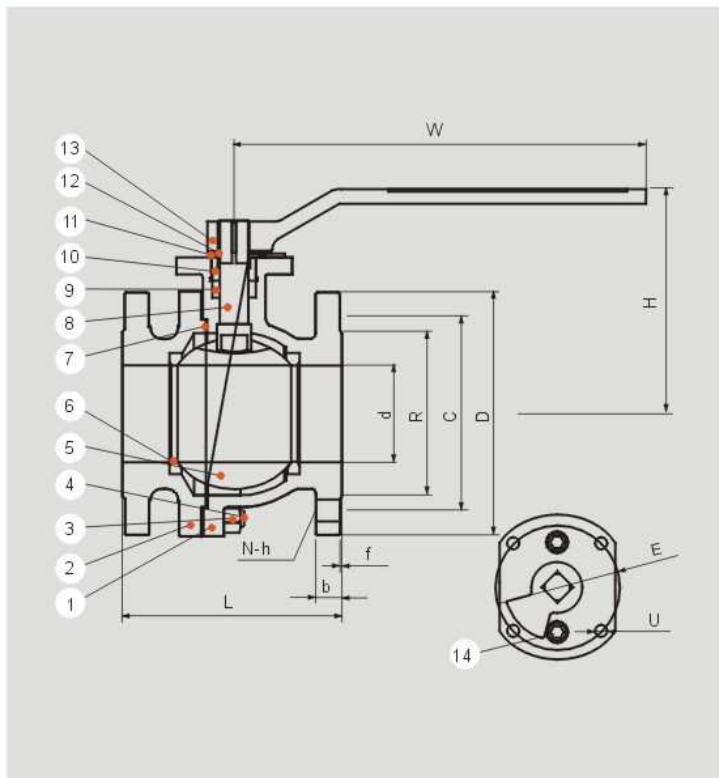
- End Flange: DIN2533/EN1092-2/ISO7005-2
- Nominal Pressure: 1.6MPa
- Pressure Test: DIN3230/EN12266/ISO5208

DIMENSIONS

Size	d	L	D	C	R	b	f	N	h	W	H
DN50	37	150	165	125	102	20	3	4	18	250	130
DN65	49	170	185	145	122	20	3	4	18	250	145
DN80	58	180	200	160	138	22	3	8	18	350	170
DN100	75	190	220	180	158	24	3	8	18	350	180
DN125	88	200	250	210	188	26	3	8	18	400	205
DN150	98	210	285	240	212	26	3	8	23	400	225
DN200	148	400	340	295	268	30	3	12	23	600	267

DIN FULL BORE CAST IRON BALL VALVE

DN15-DN250



PARTS LIST

No.	Part Name	Material
1	Body	Cast iron(GG25/GGG40/1.4408/1.4308)
2	Bonnet	Cast iron(GG25/GGG40/1.4408/1.4308)
3	Nut	Carbon Steel
4	Bolting	Carbon Steel
5	Ball	Stainless steel(SS304/316)
6	Seat	PTFE/RPTFE/TFM1600
7	Gasket	PTFE
8	Stem	Stainless steel(SS304/316)
9	Stem Packing	PTFE
10	Gland Flange	Cast iron(GG25/GGG40)
11	Stop Collar	Carbon Steel
12	Circlip	Steel
13	Lever	Ductile iron(GGG40)
14	Gland Bolt	Carbon Steel

APPLICATION STANDARDS

- Design and Manufacture: DIN3357/EN12516
- Face to Face: DIN3202/EN558-1
 - DN15-DN100(F4/14)
 - DN125-DN250(F5/15)

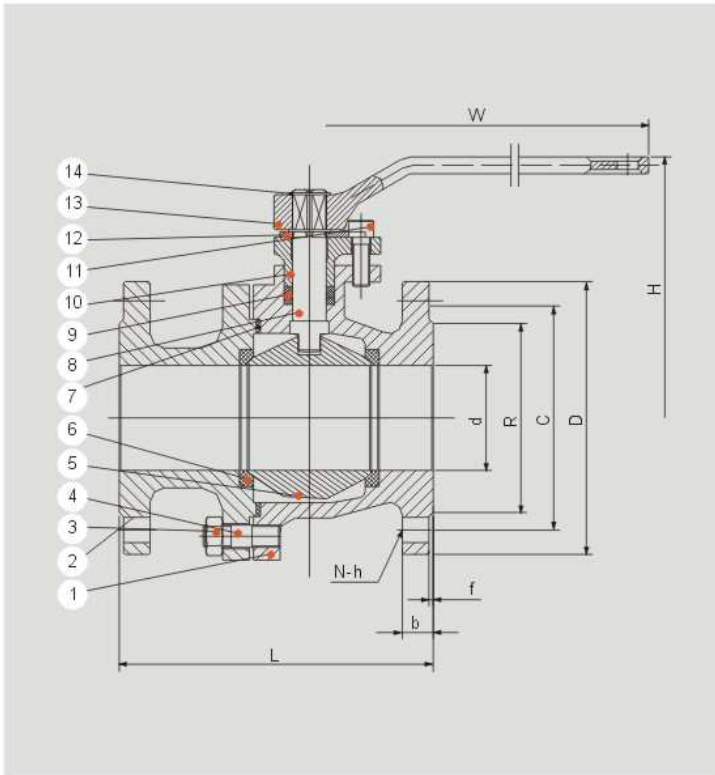
- End Flange: DIN2533/EN1092-2/ISO7005-2
- Nominal Pressure: 1.6MPa
- Pressure Test: DIN3230/EN12266/ISO5208
- Mounting Pad: ISO5211

DIMENSIONS

Size	d	L	D	C	R	b	f	N	h	E	U	W	H
DN15	15	115	95	65	45	14	2	4	14	42	M5	130	86
DN20	20	120	105	75	58	16	2	4	14	42	M5	130	95
DN25	25	125	115	85	68	16	2	4	14	42	M5	160	100
DN32	32	130	140	100	78	18	2	4	18	50	M6	160	105
DN40	40	140	150	110	88	18	3	4	18	50	M6	220	121
DN50	50	150	165	125	102	20	3	4	18	70	M8	250	136
DN65	65	170	185	145	122	20	3	4	18	102	M10	350	161
DN80	80	180	200	160	138	22	3	8	18	102	M10	350	180
DN100	100	190	220	180	158	24	3	8	18	102	M10	400	222
DN125	125	325	250	210	188	26	3	8	18	125	M12	600	260
DN150	150	350	285	240	212	26	3	8	23	140	M16	600	280
DN200	200	400	340	295	268	30	3	12	23	165	M20	700	340
DN250	250	450	405	355	320	32	3	12	27	165	M20	800	380

ANSI CAST IRON BALL VALVE

DN15-DN250



PARTS LIST

No.	Part Name	Material
1	Body	Cast iron(ASTM A126-B)
2	Bonnet	Cast iron(ASTM A126-B)
3	Nut	Steel
4	Bolting	Steel
5	Ball	Stainless steel (SS304)
6	Seat	PTFE
7	Gasket	PTFE
8	Stem	Stainless steel (SS304)
9	Stem Packing	PTFE
10	Gland flange	Cast iron(A126-B)
11	Gland bolt	Carbon steel
12	Stop collar	Carbon steel
13	Lever	Ductile iron
14	Circlip	Carbon steel

APPLICATION STANDARDS

- BASIC DESIGN: API 608
- FLANGED: ASME B16.1/16.5
- NOMINAL PRESSURE: CLASS 125/150

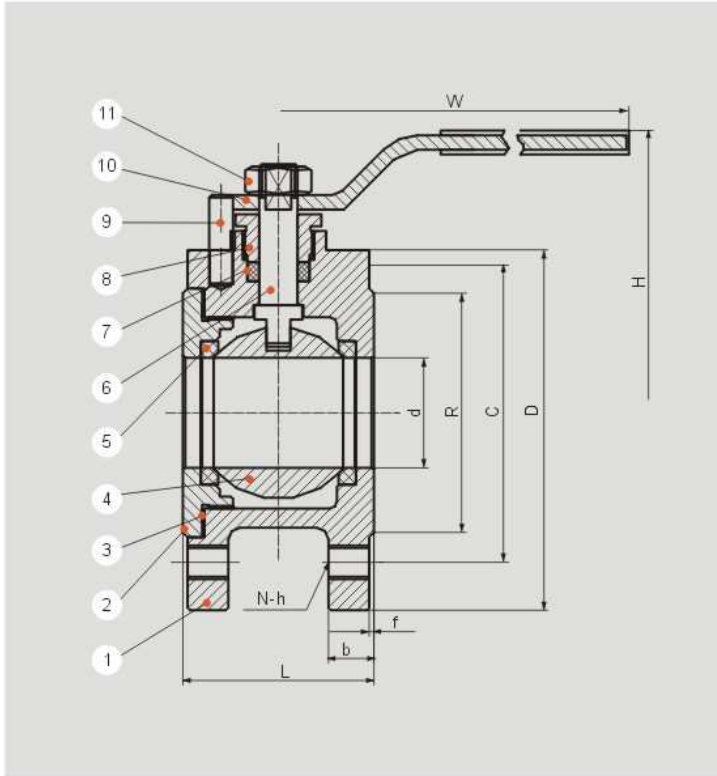
- FACE TO FACE: ASME B16.10
- VALVES TEST AND INSPECT: API 598

DIMENSIONS

SIZE	d	L	D	C	R	b	f	N	h	W	H
DN15	15	108	89	60.5	35	9.7	1.6	4	16	130	89
DN20	20	117	98	70	43	10.5	1.6	4	16	130	88
DN25	25	127	108	79.5	51	11.2	1.6	4	16	160	95
DN32	32	140	117	89	63.5	12.7	1.6	4	16	160	105
DN40	40	165	127	98.5	73.2	14.2	1.6	4	16	240	124
DN50	50	178	152	120.5	92	15.9	1.6	4	19	220	124
DN65	65	190	178	139.5	104.7	17.5	1.6	4	19	330	164
DN80	80	203	191	152.5	127	19.1	1.6	4	19	240	156
DN100	100	229	229	190.5	157.2	23.9	1.6	8	19	330	190
DN125	125	356	254	216	186	24	1.6	8	22	650	248
DN150	150	394	279	241.5	216	25.4	1.6	8	22	650	266
DN200	200	457	343	298.5	270	28.5	1.6	8	22	700	340
DN250	250	533	406	362	324	30.2	1.6	12	25	800	380

WAFER TYPE CAST IRON BALL VALVE

DN15-DN200



PARTS LIST

No.	Part Name	Material
1	Body	Cast Iron (GG25)
2	Bonnet	Cast Iron (GG25)
3	Gasket	PTFE
4	Ball	SS420/SS304
5	Seat	PTFE
6	Stem	SS420/SS304
7	Stem packing	PTFE
8	Gland nut	Steel
9	Stop pin	Steel
10	Handle	Steel

APPLICATION STANDARDS

- BASIC DESIGN: DIN3357/EN12516
- FLANGED: DIN2533/EN1092-2/ISO 7005-2
- NOMINAL PRESSURE: 1.6MPa

- FACE TO FACE: Manufacturer's standard
- VALVES TEST AND INSPECT: ISO 5208

DIMENSIONS

SIZE	d	L	D	C	R	b	f	N	h	W	H
DN15	15	35	95	65	45	14	2	4	M12	140	82
DN20	20	40	105	75	58	16	2	4	M12	140	86
DN25	25	50	115	85	68	16	2	4	M12	150	84
DN32	32	55	140	100	78	18	2	4	M16	188	99
DN40	40	65	150	110	88	18	3	4	M16	210	104
DN50	50	80	165	125	102	20	3	4	M16	210	113
DN65	63	100	185	145	122	20	3	4	M16	280	123
DN80	76	120	200	160	138	22	3	8	M16	280	123
DN100	95	130	220	180	158	24	3	8	M16	354	154
DN125	100	200	250	210	188	26	3	8	M16	380	207
DN150	123	210	285	240	212	26	3	8	M20	380	225
DN200	148	230	340	295	268	30	3	12(8-PN10)	M20	650	267

NOTE

Providing the high quality environmental valves, improving the quality of human life.



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