FLUID TECH®

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Fluid Tech Solutions

APEX Valve Solutions

FLUID TECH®



WATER & INDUSTRIAL VALVES CATALOG

PROFESSIONAL PRODUCTS & SIMPLIFIED PROCUREMENT

FLUID TECH PIPING SYSTEMS (TIANJIN) CO.,LTD

FLUID TECH®

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FLUID TECH®



ABOUT US

WHO ARE WE?

Founded in Tianjin in 2018, Fluid Tech is Northern China's leading integrated manufacturer and exporter of full-range piping systems for Fire Protection, HVAC, and Waterworks. Operating ISO, SGS, and TÜV-certified production hubs across strategic domestic manufacturing bases, we deliver one-stop procurement, custom OEM manufacturing, and engineering-grade fluid conveying solutions worldwide.

Brand Slogan: Connecting Safety, Delivering Excellence Worldwide

CORPORATE CULTURE

Purpose: Your One-Stop Partner in Piping & Fluid Solutions

Mission: Securing Infrastructure, Safeguarding Lives

Vision: Empower Clients, Lead the Industry

Core Values: Customer First, Team Second, Enterprise Third

1.CORE PRODUCT PORTFOLIO

Fittings & Couplings: Grooved couplings & fittings, malleable iron galvanized & black fittings, butt-welding, carbon steel press fittings.

Valves & Accessories: Fire protection valves, waterworks & industrial valves, steel pipe nipples/sockets, pipe hangers, seismic bracing, and fire-fighting accessories.

2.END-TO-END ONE-STOP SERVICES

One-Stop Procurement: Full-category integration (fittings, valves, supports) eliminates multi-vendor overhead, reducing overall sourcing time and costs.

End-to-End Delivery: Unified scheduling, strict QC inspection, optimized container loading, and efficient global freight management.

Technical Empowerment: Free fluid system consulting, engineering guidance, sample testing, market research, and 24/7 global response.

ABOUT US

QUALITY ASSURANCE SYSTEM

1.Smart Manufacturing: Fully automated lines equipped with DISA D3 molding lines, FONDARC intelligent sand mixing, high-precision molds, and automatic threading/grooving.

2. Superior Surface Coating:

Hot-Dip Galvanizing (HDG): Thickness ≥ 70μm (exceeds ASTM A153 standard).

Electro-Galvanizing (EG): Thickness ≥ 35μm, uniform and dense.

Electrophoretic & Epoxy Powder Coating: 360seamless anti-corrosion compliant with international fire & waterworks codes.

2.100% Quality Inspection: CNC-qualified lab with spectrometers, metallographic microscopes, tensile testers, and CMM. 100% mandatory pressure and air-tightness testing prior to delivery.

CERTIFICATIONS & SPECIFICATIONS

Heavy-Duty Certified Series (Premium Engineering): Tailored for high-standard tenders and safety projects. Certified by UL / FM (USA), SIRIM (Malaysia), WRAS (UK), ISO, SGS, and TÜV.

Medium-Duty Standard Series (Cost-Effective Commercial): Complies with universal global standards with qualified wall thickness and stable pressure resistance. Ideal for commercial projects and regional distribution.

LANDMARK PROJECTS & PARTNERS

Domestic Landmarks: Beijing National Stadium (Bird's Nest), National Aquatics Centre (Water Cube), Beijing Daxing Int'l Airport, Canton Tower.

Global Projects: Super high-rise complexes in Middle East/SE Asia, industrial park fluid systems in Europe/Americas, global MEP & fire protection projects.

Key Partners: China State Construction (CSCEC), POWERCHINA, China Water Affairs, China Gas, Shenzhen Gas, Kunlun Lubricant, plus Tier-1 global distributors and EPC construction groups.

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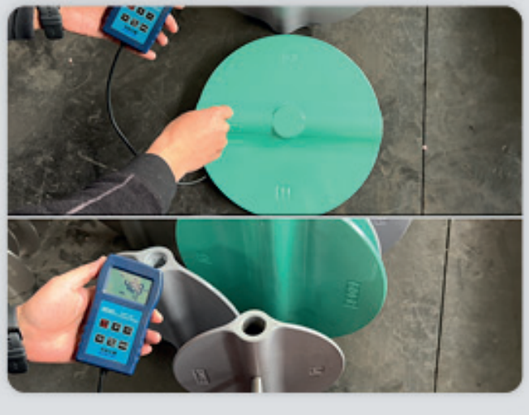
CERTIFICATE



LABORATORY TESTING EQUIPMENT








WORKSHOP ENVIRONMENT








APPLICATION SCENARIOS








SHIPPING RECORDS





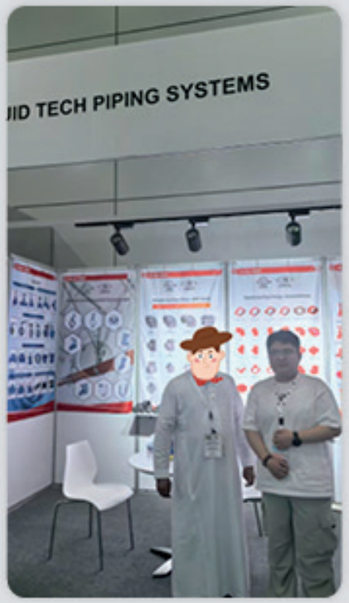



CUSTOMER GROUP PHOTO AT THE EXHIBITION



















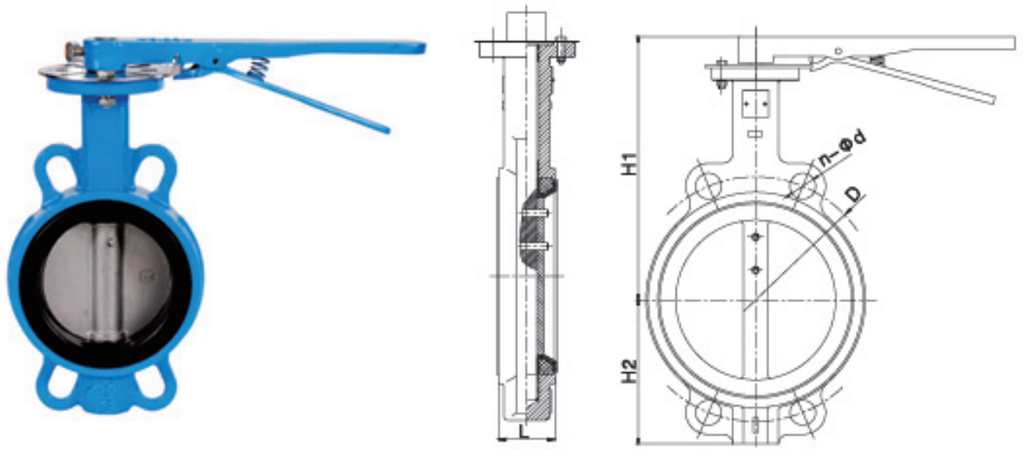






PRODUCT INTRODUCTION

D71X MANUAL WAFER BUTTERFLY VALVE



Purpose

This valve is used as a cutoff and adjusting equipment for the various water supply and drainage pipelines in building, chemical, medicine, textile, ship and other industries.

Performance parameters

Pressure：1.0MPa, 1.6MPa, 150LB, 5K, 10K
Size: DN40~DN300
Suitable temperature: ≤100℃
Medium: Water, air, oil
Design standard: BS5155, DIN3202, ISO5752
Flange Standard: DIN, BS, UNI, ISO, ANSI, JIS
Top Mounting Flange Standard: ISO5211

Main part materials

Valve stem	SS410/Stainless steel
Butterfly disc	Ductile Iron/ Stainless steel/ C954
Body	Ductile iron/Cast steel / Stainless steel
Sealing material	EPDM/ NBR/PTFE
Handle	Aluminum alloy/iron

Disc for DN50~DN300 could use Ductile Iron with Epoxy.

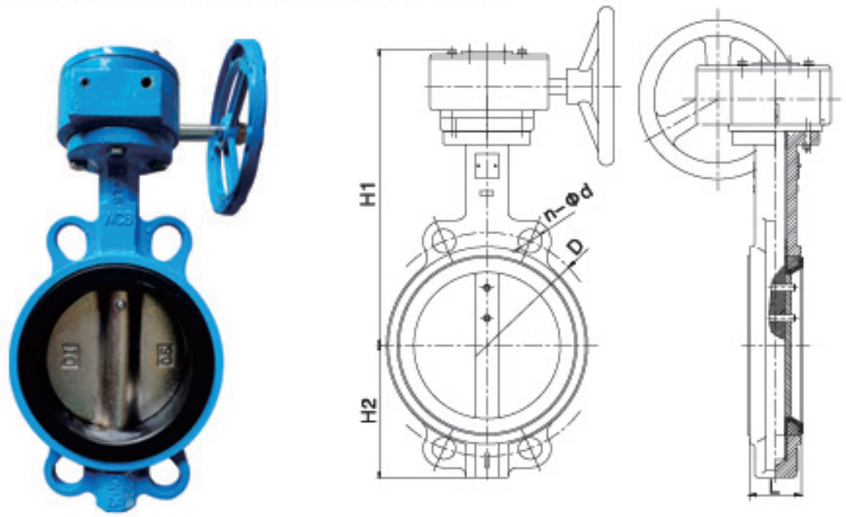
Main dimensions(mm)

DN	40	50	65	80	100	125	150	200	250	300
L	33	43	46	46	52	56	56	60	68	78
D	110	125	145	160	180	210	240	295	355	410
n-Φd	4-19	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28
H1	154	156	167	174	195	208	230	267	305	347
H2	73	75	85	92	109	130	139	173	207	235

Note:1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.

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D371X MANUAL WAFER BUTTERFLY VALVE



Purpose

This valve is used as a cutoff and adjusting equipment for the various water supply and drainage pipelines in building, chemical, medicine, textile, ship and other industries.

Performance parameters

Pressure：1.0MPa, 1.6MPa, 150LB, 5K, 10K
Size: DN40~DN1200
Suitable temperature: ≤100℃
Medium: Water, air, oil
Design standard: BS5155, DIN3202, ISO5752
Flange Standard: DIN, BS, UNI, ISO, ANSI, JIS
Top Mounting Flange Standard: ISO5211

Main part materials

Valve stem	SS410/Stainless steel
Butterfly disc	Ductile Iron/ Stainless steel/ C954
Body	Ductile iron/Cast steel / Stainless steel
Sealing material	EPDM/ NBR/PTFE
Worm gear	Ducitle Iron

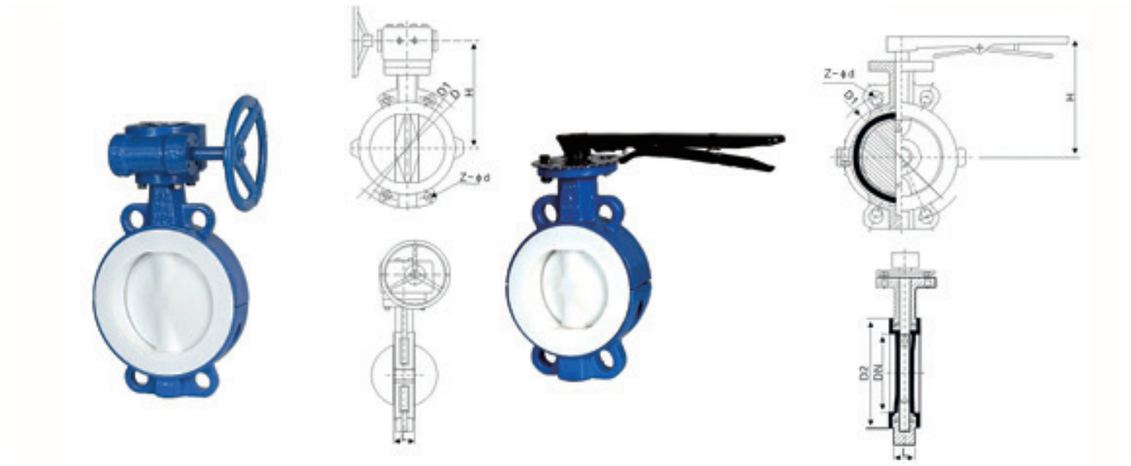
Disc for DN50~DN300 could use Ductile Iron with Epoxy.

Main dimensions(mm)

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
L	33	43	46	46	52	56	56	60	68	78	78	90	114	127	154	165	190	203	216	254
D	110	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950	1050	1170	1390
n-Φd	4-19	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28	16-28	16-31	20-31	20-34	20-37	24-37	24-40	28-40	28-43	32-49
H1	180	182	194	200	227	238	260	304	340	389	530	606	684	766	858	950	980	1000	1045	1190
H2	73	75	85	92	109	130	139	173	207	235	264	308	330	350	410	500	550	610	680	790

Note:1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.

D371F/D71F FULL LINED WAFER TYPE BUTTERFLY VALVE



Purpose

This valve is used as a cutoff and adjusting equipme nt forthe various water supply and drainage pipelines in building.chemical, medicine, textile, ship and other industries

Performance parameters

Pressure:1.0MPa,1.6MPa,150LB,5K,10K
Size: DN40~DN1200
Suitable temperature≤120℃
Medium: Water, air, oil
Design standard:GB12238
Flange Standard: GB12221
Top Mounting Flange Standard: JB/T79/94, GB9113.1-26

Main part materials

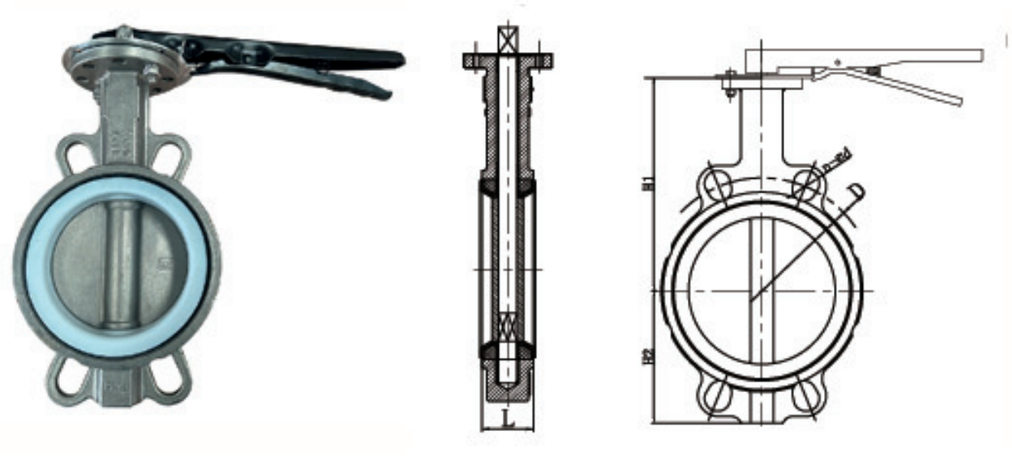
Valve stem	SS410/Stainless steel
Butterfly disc	Cast steel/ Stainless steel Full Lined PTFE
Body	Ductile iron/Cast steel / Stainless steel
Sealing material	PTFE
Handle	Aluminum alloy/iron

Main dimensions(mm)

DN	L	D	D1	D2	Z-ϕd	H	Weight	D	D1	D2	Z-ϕd	H	Weight
40	33	150	110	85	4-18	140	2.3	150	110	85	4-18	140	5
50	43	165	125	100	4-18	140	2.7	165	125	200	4-18	140	5.8
65	46	180	145	120	4-18	150	3.5	185	145	120	4-18	150	6.7
80	46	200	160	135	4-18	165	4.7	200	160	135	8-18	165	7.5
100	52	220	180	155	4-18	180	6.5	220	180	155	8-18	180	8.8
125	56	250	210	185	4-18	200	8	250	210	185	8-18	200	11
150	56	285	240	210	8-23	220	10	285	240	210	8-23	220	15
200	60	340	295	265	8-23	270	17	340	395	265	12-27	270	24
250	68	395	350	320	12-23	320	—	406	355	320	12-27	320	34
300	78	445	400	370	12-23	330	—	460	410	370	12-27	330	44
350	78	505	460	430	16-23	385	—	520	470	430	16-27	385	86
400	102	565	515	480	16-23	430	—	580	525	480	16-30	430	128
450	114	615	565	560	20-26	480	—	640	585	550	20-30	480	159
500	127	670	620	580	20-26	540	—	715	650	610	20-33	540	190
600	154	780	725	680	20-30	610	—	840	770	720	20-36	610	235
700	165	895	840	795	24-33	650	—	910	840	759	24-36	650	335
800	190	1015	950	900	24-33	710	—	1025	950	900	24-39	740	425
900	203	1115	1050	1050	28-33	780	—	1125	1050	1000	28-39	780	500
1000	213	1230	1160	1115	28-36	900	—	1255	1170	1110	28-42	900	705
1200	254	1455	1380	1380	32-39	1050	—	1485	1390	1330	32-48	1050	880

Note:1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.

SSD71F FULL STAINLESS STEEL WAFER TYPE BUTTERFLY VALVE



Purpose

This valve is used as a cutoff and adjusting equipment for the various water supply and drainage pipelines in buildin gchemical, medicine, textile, ship and other industries.

Performance parameters

Pressure:1.0MPa, 1.6MPa, 150LB, 5K, 10K
Size: DN40_DN300
Suitable temperature:≤120℃℃
Medium: Water, air, oil
Design standard:BS5155, DIN3202, IS05752
Flange Standard: DIN, BS, UN, ISO, ANSI, JIS
Top Mounting Flange Standard: 1S05211

Main part materials

Valve stem	SS410/Stainless steel
Butterfly disc	Stainless steel
Body	Stainless steel
Sealing material	EPDM/ NBR/PTFE
Handle	Aluminum alloy/iron

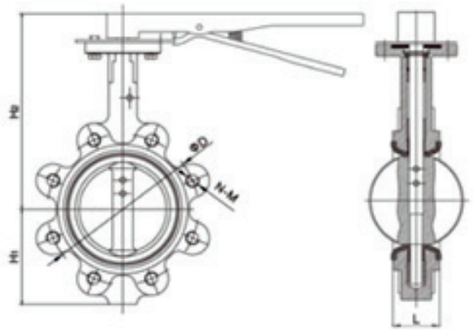
Main dimensions(mm)

DN	40	40	65	80	100	125	150	200	250	300
L	33	43	46	46	52	56	56	60	68	78
D	110	125	145	160	180	210	240	295	355	410
n-ϕd	4-19	4-19	4-19	8-19	8-19	8-19	8-19	12-23	12-28	12-28
H1	154	156	167	174	195	208	230	267	305	347
H2	73	75	85	92	109	130	139	173	207	235

Note:1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.

LTD71X LUGGED TYPE WAFER BUTTERFLY VALVE





Purpose

This valve is used as a cutoff and adjusting equipment for the various water supply and drainage pipelines in building, chemical,medicine, textile, ship and other industries.

Main part materials

Valve stem	SS410/Stainless steel
Butterfly disc	Ductile iron/Stainless steel/ C954
Body	Ductile iron/Cast steel/Stainless steel
Sealing material	EPDM/ NBR/PTFE
Handle	Aluminum alloy/iron

Disc for DN50-DN300 could use Ductile iron with Epoxy,

Performance parameters

Pressure:1.0MPa.1.6MPa.150LB.5K.10K
Size:DN50-DN300
Suitable temperature: <100°C
Medium: Water, air, oil
Design standard: BS5155, DIN3202,ISO5752
Flange Standard: DIN, BS, UNI, ISO, ANSI, JIS
Top Mounting Flange Standard: 1S05211

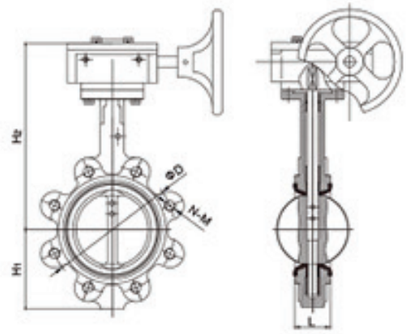
Main part materials(mm)

DN	50	65	80	100	125	150	200	250	300
L	43	46	46	52	56	56	60	68	74
D	125	145	160	180	210	240	295	355	410
N-M	4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24
H1	70	76	97	114	126	141	170	204	232
H2	173	180	188	208	224	239	272	331	369

Note:1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.

LTD371X LUGGED TYPE WAFER BUTTERFLY VALVE





Purpose

This valve is used as a cutoff and adjusting equipment for the various water supply and drainage pipelines in building, chemical,medicine, textile, ship and other industries.

Main part materials

Valve stem	SS410/Stainless steel
Butterfly disc	Ductile iron/Stainless steel/ C954
Body	Ductile iron/Cast steel/Stainless steel
Sealing material	EPDM/ NBR/PTFE
Handle	Ductile iron

Disc for DN50-DN300 could use Ductile iron with Epoxy,

Performance parameters

Pressure: 1.0MPa,1.6MPa, 150LB, 5K, 10K
Size: DN50-DN1200
Suitable temperature:<100°C
Medium: Water, air, oil
Design standard: BS5155.DIN3202.1S05752
Flange Standard: DIN, BS, UNI, ISO, ANSI, JIS
Top Mounting Flange Standard: 1S05211

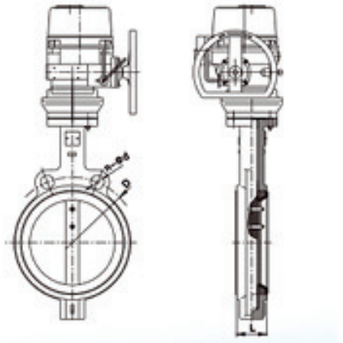
Main part materials(mm)

DN	50	65	80	100	125	150	200	250	300
D	125	145	160	180	210	240	295	355	410
N-M	4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24
L	43	46	46	52	56	56	60	68	74
H1	70	78	90	102	122	150	174	208	240
H2	199	207	214	241	255	270	309	366	411

Note:1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.

D971X ELECTRIC WAFER BUTTERFLY VALVE





Purpose

This valve is used for cutoff or flow adjustment in building,chemical, environmental protection, industrial and mining etc

Main part materials

Body	Cast steel, stainless steel
Valve stem	SS410/ Stainless steel
Butterfly disc	Ductile irony Stainless steel/ C954
Sealing material	NBR/EPDM/PTFE

Performance parameters

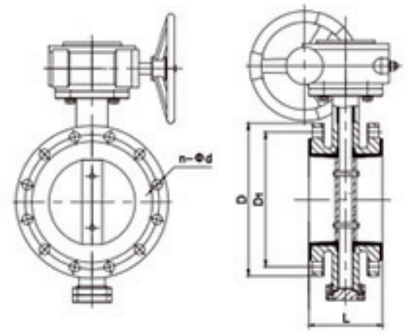
Pressure:1.0MPa,1.6MPa, 150LB
Size:DN40~DN600
Suitable temperature: <80°C°C
Medium: Water, air. Oil
Design standard: BS5155, DIN3202, ISO5752
Flange Standard: DIN, BS, UNI, ISO, ANSI, JIS
Top Mounting Flange Standard: IS05211

Main part materials(mm)

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	33	43	46	46	52	56	56	60	68	78	78	90	114	127	154
D	110	125	145	160	180	210	240	295	355	410	470	525	585	650	770
n- Φ d	4-19	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28	16-28	16-31	20-31	20-34	20-37
Model of electric actuator	QT10	QT10	QT10	QT10	QT20	QT20	QT30	QT40	QT60	QT80	QT90	QT100	QT5X	QT5X	QT5X

D341X MANUAL FLANGED BUTTERFLY VALVE





Purpose

This product is used for the water supply and drainage system in tap water, sewage, building, chemical. industries, usually used as an open-close equipment.

Main part materials

Valve stem	SS410/Stainless steel
Butterfly disc	Ductile iron/Stainless steel/ C954
Body	Ductile iron/Cast steel/Stainless steel
Sealing material	EPDM/ NBR/PTFE
Handle	Ductile iron

Performance parameters

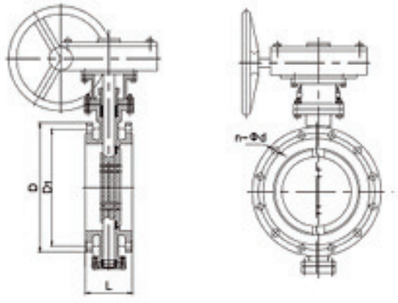
Pressure: 1.0MPa, 1.6MPa, 2.5MPa, 150LB
Size: DN50~DN2000
Suitable temperature: <80°C
Medium: Water, air, oil
Design standard: GB12238-2008, API 609
Flange Standard: GB/T 9113.1, GB/T 17241.6, ANSI B16.5
Structureal length: GB/T 12221
Pressure test: GBT 133927, API 598

Main part materials(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800	2000
L		108	112	114	127	140	140	152	165	178	190	216	222	229	267	292	318	330	410	470	530	600	670	760
D	PN10	165	185	200	220	250	285	340	395	445	505	585	615	670	780	895	1015	1115	1230	1455	1675	1915	2115	2325
	PN16	165	185	200	220	250	285	340	405	460	520	580	640	715	840	910	1025	1125	1255	1485	1685	1930	2130	2345
D1	PN10	125	145	160	180	210	240	295	350	400	460	515	565	620	725	840	950	1060	1160	1380	1590	1820	2020	2250
	PN16	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950	1060	1170	1390	1590	1820	2020	2230
n-Φd	PN10	4-19	4-19	4-19	8-19	8-19	8-19	8-23	8-23	12-23	12-23	16-28	20-28	20-28	20-31	24-31	24-34	28-34	28-37	32-40	36-43	40-49	44-49	48-49
	PN16	4-19	4-19	4-19	8-19	8-19	8-23	12-23	12-28	12-28	16-28	16-31	20-31	20-34	20-37	24-37	24-40	28-40	28-43	32-49	39-49	40-56	44-56	48-62

D342XD343X RESILIENT SEAT DOUBLE THREE ECCENTRIC FLANGED BUTTERFLY VALVE





Purpose

The butterfly valve is suitable for use in metallurgy, chemical power, municipal engineering and medium such as water, oil and air pipeline, as cutting fluid and adjust medium flow rate, etc.

Main part materials

Body	Ductile iron/Cast steel
Valve disc	Ductile iron
Body	Stainless steel
Sealing ring	NBR/EPDM/Fluorine rubber
Packing	Flexible graphite/V-type rubber pad

Performance parameters

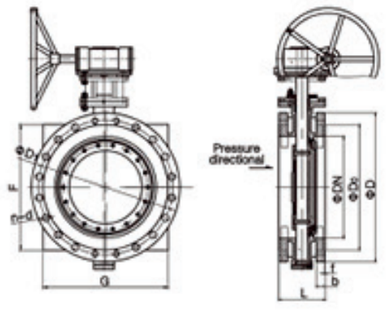
Pressure:1.0MPa,1.6MPa,2.5MPa,150LB
Size: DN100~DN2000
Suitable temperature: <80°C
Medium:Water,air,oil
Design: EN 593
Flanges: EN 1092-2
Face to face length: EN 558-1 Series 13
Inspection and test: EN1074/EN 12266/ 1S05208/ API 598
Coating: 1s0 12944
Wras certified for drinking water

Main part materials(mm)

DN		100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800	2000
L		127	140	140	152	165	178	190	216	222	229	267	292	318	330	410	470	530	600	670	760
D	PN10	220	250	285	340	395	445	505	585	615	670	780	895	1015	1115	1230	1455	1675	1915	2115	2325
	PN16	220	250	285	340	405	460	520	580	640	715	840	910	1025	1125	1255	1485	1685	1930	2130	2345
D1	PN10	180	210	240	295	350	400	460	515	565	620	725	840	950	1050	1160	1380	1590	1820	2020	2230
	PN16	180	210	240	295	355	410	470	525	585	650	770	840	950	1050	1170	1390	1590	1820	2020	2230
n-Φd	PN10	8-19	8-19	8-19	8-23	8-23	12-23	12-23	16-28	20-28	20-28	20-31	24-31	24-34	28-34	28-37	32-40	36-43	40-49	44-49	48-49
	PN16	8-19	8-19	8-23	12-23	12-23	12-28	16-28	16-31	20-31	20-34	20-37	24-37	24-40	28-40	28-43	32-49	39-49	40-56	44-56	48-62

RESILIENT SEAT DOUBLETHREE ECCENTRIC FLANGED BUTTERFLY VALVE D342X D343X





Purpose

The butterfly valve is suitable for use in metallurgy, chemical power, municipal engineering and medium such as water, oil and air pipeline, as cutting fluid and adjust medium flow rate, etc.

Main part materials

Body	Ductile iron/Cast steel
Valve disc	Ductile iron
Valve stem	Stainless steel
Sealing ring	NBR/EPDM/Fluorine rubber
Packing	Flexible graphite/V-type rubber pad

Performance parameters

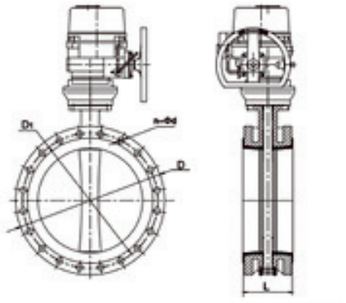
Pressure:1.0MPa, 1.6MPa, 2.5MPa, 150LB
Size:DN200~DN2000
Suitable temperature:<80°C
Medium: Water, air, oil
Design: EN 593
Flanges: EN 1092-2
Face to face length: EN 558-1 Series 14
Inspection and test: EN1074/EN 12266/ IS05208/ API 598
Coating:1S0 12944
Wras certified for drinking water

Main part materials(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800	2000
L		108	112	114	127	140	140	152	165	178	190	216	222	229	267	292	318	330	410	470	530	600	670	760
D	PN10	165	185	200	220	250	285	340	395	445	505	585	615	670	780	895	1015	1115	1230	1455	1675	1915	2115	2325
	PN16	165	185	200	220	250	285	340	405	460	520	580	640	715	840	910	1025	1125	1255	1485	1685	1930	2130	2345
D1	PN10	125	145	160	180	210	240	295	350	400	460	515	565	620	725	840	950	1050	1160	1380	1590	1820	2020	2230
	PN16	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950	1050	1170	1390	1590	1820	2020	2230
n-Φd	PN10	4-19	4-19	4-19	8-19	8-19	8-19	8-23	8-23	12-23	12-23	16-28	20-28	20-28	20-31	24-31	24-34	28-34	28-37	32-40	36-43	40-49	44-49	48-49
	PN16	4-19	4-19	4-19	8-19	8-19	8-23	12-23	12-28	12-28	16-28	16-31	20-31	20-34	20-37	24-37	24-40	28-40	28-43	32-49	39-49	40-56	44-56	48-62

DRAWING ELECTRIC ACTUATED FLANGED BUTTERFLY VALVE D941X





Purpose

This product is used for the water supply and drainage system in tap water, sewage, building, chemical. industries, usually used as an open-close equip rent.

Main part materials

Body	Ductile iron/Cast steel/Stainless steel/ C954
Valve disc	Ductile iron/Stainless steel/C954
Valve stem	SS410/Stainless steel
Sealing ring	NBR/EPDM/Fluorine rubber
Packing	Flexible graphite/V-type rubber pad

Performance parameters

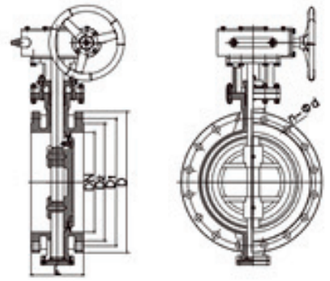
Pressure:1.0MPa,1.6MPa,2.5MPa,150LB
Size: DN50~DN800
Suitable temperature: <80'C
Medium: Water, air, oil
Design standard: GB12238-2008, API 609
Flanged standard: GB/T 9113.1,GB ∫ 17241.6, ANSI B16.5
Structural length: GBT 12221
Pressure test: GB/T 13927,AP1598

Main part materials(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
L		108	112	114	127	140	140	152	165	178	190	216	222	229	267	292	318
D	PN10	165	185	200	220	250	285	340	395	445	505	585	615	670	780	895	1015
	PN16	165	185	200	220	250	285	340	405	460	520	580	640	715	840	910	1025
D1	PN10	125	145	160	180	210	240	295	350	400	460	515	565	620	725	840	950
	PN16	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950
n-Φd	PN10	4-19	4-19	4-19	8-19	8-19	8-19	8-23	8-23	12-23	12-23	16-28	20-28	20-28	20-31	24-31	24-34
	PN16	4-19	4-19	4-19	8-19	8-19	8-23	12-23	12-28	12-28	16-28	16-31	20-31	20-34	20-37	24-37	24-40
Model of electric actuator		Q10	Q10	Q30	Q30	Q30	Q60	Q60	Q60	Q120	Q120	Q200	Q200	Q200	Q500	Q500	Q500

DRAWING FLANGED METAL-SEAT BUTTERFLY VALVE D343HD343F





Purpose

Butterfly valve for the petroleum, chemical, food, medicine,metallurgy, shipbuilding, paper, industrial environmental protec tion water supply and drainage, on high-level pipeline architecture can be in a variety of corrosive,non-corrosive gases,liquids, fluids and solid powder loaded pipelines and containers for the head stock or adjust the medium flow purposes.

Executive standard

Flanged connection dimension : GB/T9113.1,GB/T 17241.6, ANSI B16.5
Structure length: GB/ 12221, ASME B16.10
Pressure test: GB Γ 13927.AP|598

Performance parameters

DN(mm) Nominal diameter		50~2000		
PN(MPa) Nominal pressure		1.0	2.5	150LB
Testing pressure	Shell	1.5	3.75	4.0
	Sealing	1.1	2.75	3.0
Working temperature (℃)		-40~570		
Suitable mediums		Water, sea water, air, oils,acids alkali etc		

Main part materials

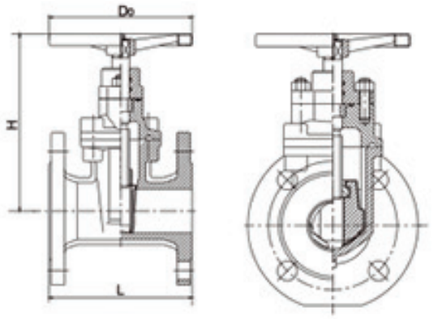
Body	Cast steel/ Stainless steel
Valve disc	Cast steel/ Stainless steel
stem	Stainless steel
Sealing ring	Stainless steel+graphite
Packing	Flexible graphite

Main part materials(mm)

DN	L	Flanged Size and Bolting Specification							
		1.6Mpa				2.5MPa			
		D	D1	D2	N -Φ d	D	D1	D2	N -Φ d
50	108	165	125	102	4-Φ18	165	125	102	4-Φ18
65	112	185	145	122	8-Φ18	185	145	120	8-Φ18
80	114	200	160	138	8-Φ18	200	160	135	8-Φ18
100	127	220	180	158	8-Φ18	235	190	160	8-Φ22
125	140	250	210	188	8-Φ18	270	220	188	8-Φ26
150	140	285	240	212	8-Φ22	300	250	218	8-Φ26
200	152	340	295	268	12-Φ22	360	310	278	12-Φ26
250	165	405	355	320	12-Φ26	425	370	335	12-Φ30
300	178	460	410	378	12-Φ26	485	430	395	16-Φ30
350	190	520	470	438	16-Φ30	555	490	450	16-Φ33
400	216	580	525	490	16-Φ30	620	550	505	16-Φ36
450	222	640	585	550	20-Φ30	670	600	555	20-Φ36
500	229	715	650	610	20-Φ33	730	660	615	20-Φ36
600	267	840	770	725	20-Φ36	845	770	720	20-Φ39
700	292	910	840	795	24-Φ36	960	875	820	24-Φ42
800	318	1025	950	900	24-Φ39	1085	990	930	24-Φ48
900	330	1125	1050	1000	28-Φ39	1185	1090	1030	28-Φ48
1000	410	1255	1170	1115	28-Φ42	1320	1210	1140	28-Φ56
1200	470	1485	1390	1330	32-Φ48	1530	1420	1350	32-Φ56
1400	530	1685	1590	1530	36-Φ48	1755	1640	1560	36-Φ62
1600	600	1930	1820	1750	40-Φ56	1975	1860	1780	40-Φ62
1800	670	2130	2020	1950	44-Φ56	2195	2070	1985	44-Φ70
2000	760	2345	2230	2150	48-Φ62	2425	2300	2210	48-Φ70

Z45X NON-RISING RESILLIENT SEAT GATE VALVE





Purpose

This valve is mounted on various pipelines and used as a bi-way closed circuit equipment for tap water, sewage treatment,metallurgy, petroleum, building, chemical,electric power industries etc.

Performance parameters

Design Standard: BS 5163/DIN 3202 F4
Pressure:1.0MPa,1.6MPa
Size:DN50~DN800
Medium: Water, air, oil
Tmperature:<80℃

Main part materials

Description	Material
Body	Ductile Iron
Disc	Ductile Iron+EPDM/NBR
Stem	SS410
Seat	EPDM/NBR
Stem nut	Brass
Split ring	Brass

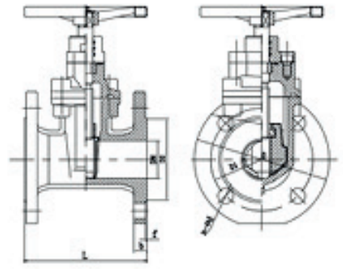
Main part materials(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
L	GB	178	190	203	229	254	267	292	330	356	381	406	432	457	508	606	665
	DIN	150	170	180	190	200	210	230	250	270	290	310	330	350	390	430	470
H		233	255	275	330	370	432	495	589	670	1050	1170	1270	1420	1650	1900	2100
D0		180	180	230	230	280	280	330	380	380	380	480	480	600	600	800	800

Note:
1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.

Z45X AWWA C509 C515 GATE VALVE





Purpose

This valve is mounted on various pipelines and used asa bi-way closed circuit equipment for tap water, sewage treatment, metallurgy, petroleum, building, chemical,electric power industries etc.

Specification

Design Standard: AWWA C509
Face to Face: ASME B16.10
Flange Drilled: ASME B16.10
Pressure:CL125-CL150Lb
Size: DN50~DN600
Medium: Water, air, oil
Tmperature: <80℃

Main part materials

Description	Material
Body	Ductile Iron
Disc	Ductile Iron+EPDM/NBR
Stem	SS410
Seat	EPDM/NBR
Stem nut	Brass
Split ring	Brass

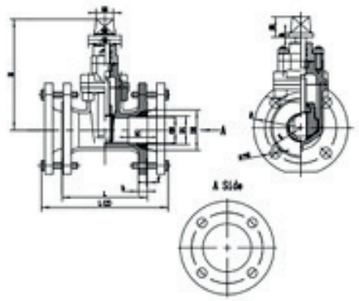
Main part materials(mm)

DN	L	D	D1	D2	b	f	n-Φd
50	178	152	120.5	92	19	3	4-19
65	190	178	139.5	105	19	3	4-19
80	203	191	152.5	127	19	3	4-19
100	229	229	190.5	157	24	3	8-19
125	254	254	216	186	24	3	8-22
150	267	279	241.5	216	25.5	3	8-22
200	292	343	298.5	270	28.5	3	8-22
250	330	406	362	324	30	4	12-26
300	356	483	432	381	32	4	12-26
350	381	533	476	413	35	4	12-29
400	406	597	539.5	470	36.5	4	16-29
450	432	635	578	533	39.5	4	16-32
500	457	699	635	584	43	4	20-32
600	508	813	749.5	692	48	5	20-35

Note:
1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.

MJZ45X MECHANICAL GATE VALVE





Purpose

This valve is mounted on various pipelines and used as a bi—way closed circuit equipment for tap water, sewage treatment, metallurgy, petroleum, building, chemical, electric power industries etc.

Performance parameters

Design Standard: BS 5163/DIN 3202 F4
Pressure: 1.0MPa, 1.6MPa
Size: DN50-DN250
Medium: Water, air, oil
Tmperature: <80° C

Main part materials

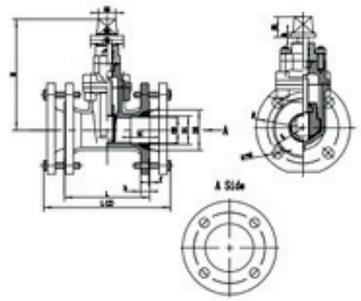
Description	Material
Body	Ductile Iron
Disc	Ductile Iron+EPDM/NBR
Stem	SS410
Seat	EPDM/NBR
Stem nut	Brass
Split ring	Brass

Main part materials(mm)

DN	OD	D₀	Dz	K	D	h1	n-ød	L	L(z)	b	f
50	63	69	88	125	165	58	4—19	178	250	19	3
65	75	80	105	145	185	63.5	4—1ø	1so	260	19	3
80	90	96	116	160	200	63.5	4-19	203	280	19	3
100	110	116	121.2	185	220	63.5	4-19	229	315	19	3
150	160	166	194	240	285	63.5	8—23	267	350	19	3
200	225	231	258	295	340	63.5	12—23	292	390	20	3
250	280	286	315	370	420	63.5	12-28	330	425	22	4

Z65X SOCKET ENDS NRS GATE VALVE





Description

Conforms to DIN 3352, BS5163.
Socket ends fitted with EPDM to suit PVC-pipes
Face to Face dimensions conform to EN558.
Suitable media: water
Suitable temperature: <100°C
Nominal pressure: 1.6MPa.

Main part materials

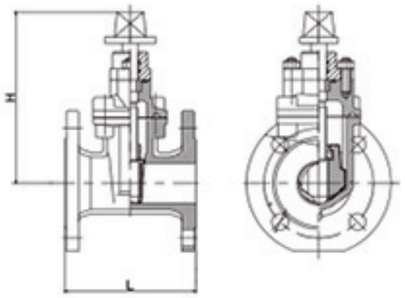
1	Body	Ductile iron
2	Disc	Ductile iron+EPDM
3	Stem	SS410
4	Nut	Brass
5	Gasket	EPDM
6	Bolt	8.8Gr
7	Bonnet	Ductile iron
8	Split ring	Brass
9	O-ring	EPDM
10	Screw	8.8Gr
11	Gasket	EPDM
12	Gland	Ductile iron
13	Hand wheel	Ductile iron
14	Retainng ring	SS304
15	Gasket	EPDM
16	Hex Bolt	A2-70

Main part materials(mm)

DN	50	50	80	100	125	150	200	250	300
PVCOD	63	63	90	110	140	160	225	280	315
L	250	250	280	300	325	350	400	450	500
H	295	295	330	375	456	545	570	640	790
Do	160	160	200	200	250	250	320	370	370

FDZ45X UNDERGROUND SQUARE HEAD GATE VALVE





Specification

Design standard: BS 5163/DIN 3202 F4
Size:DN50-DN400

Purpose

This valve is mounted on various pipelines and used as a bi-way closed circuit equipment for tap water, sewage treatment industries etc.

Main part materials

Pressure	1.0	1.6	MPa
Strength test	1.5	2.4	
Sealing test	1.1	1.76	
Suitable temperature	<80		° c
Media used	Water, sewage, air, oil etc.		

Main part materials

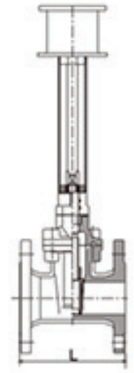
Description	Material
Body	Ductile Iron
Disc	Ductile Iron+EPDM/NBR
Stem	SS410
Seat	EPDM/NBR
Stem nut	Brass
Split ring	Brass

Main part materials(mm)

DN	OD	D1	D2	K	D	h1	n-ød	L	L(2)	b	f
50	63	69	88	125	165	58	4–19	178	250	19	3
65	75	80	105	145	185	63.5	4–1e	1so	260	19	3
80	90	96	116	160	200	63.5	4-19	203	280	19	3
100	110	116	121.2	185	220	63.5	4-19	229	315	19	3
150	160	166	194	240	285	63.5	8–23	267	350	19	3
200	225	231	258	295	340	63.5	12–23	292	390	20	3
250	280	286	315	370	420	63.5	12-28	330	425	22	4

BURIED RESILIENT SEAT GATE VALVE ZZ45X





Purpose

This valve is mounted on various underground pipelines and used as a bi-way closed circuit equipment for tap water. sewage treatment industries etc.

Specification

Design standard: BS 5163/DIN 3202 F4Size:DN50-DN800

Performance range

Pressure	1.0	1.6	MPa
Strength test	1.5	2.4	
Sealing test	1.1	1.76	
Suitable temperature	<80		° c
Media used	Water, sewage, air, oil etc.		

Main part materials

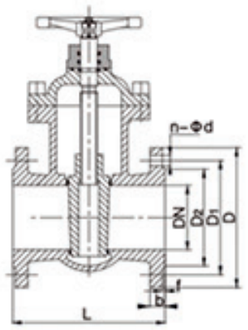
Title of part	Material
Body	Ductile iron /WCB
Gate	Rubber wrapped ductile iron
Bonnet	Ductile iron /WCB
Gland	Ductile iron
Stem	2Cr13
Gland cover	High density PE
Connection axle head	45#(Zinc-nickel alloy plated surface)
Lower pillar	PVC or PE
Protective sleeve of pillar	High density PE
Bushing	Q235(Zinc-nickel alloy plated surface
Axle sleeve/axle head	45#(Zinc-nickel alloy plated surface)
Case/case cap	Ductile iron

Main dimensions(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600
D		180	180	230	230	280	280	330	380	380	380	480	480	600	600
L	GB	178	190	203	229	254	267	292	330	356	381	406	432	457	508
	DIN	150	170	180	190	200	210	230	250	270	290	310	330	350	390

NON-RISING METAL SEAT GATE VALVE Z45T





Specification standards

Design standard: EN1171(BS 5150)
Face to face: BS 5163
Flange drill: BS 4504
Pressure: 1.0MPa, 1.6Mpa
Size: DN40-DN300

Application

For general and industrial services
Applicable medium: water, oil

Test Requirments	
Working Pressure	10/16 Bar
Maximum Pressure	11/17.6 Bar
Shell Test Pressure	15/24 Bar
Applicable Temperature	<120°C

Materials

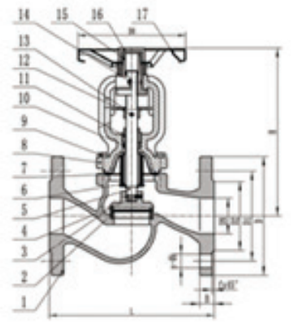
Parts	Material
Body	Ductile iron
Body seat ring	Cast brass
Wedge	Ductile iron
wedge seat ring	Cast brass
Stem	Stainless steel
Bolt	Steel
Nut	Steel
Gasket	Graphite
Bonnet	Ductile iron
Packing	Graphite
Gland Follower	Ductile iron
Nut	Steel
Bolt	Steel
Stem nut	Cast brass
Hand wheel washer	Cast bronze
Hand wheel	Ductile iron
Hand wheel nut	Ductile iron

Main dimensions(PN16/PN10)

Size	40	50	65	100	125	150	200	250	300
L	165	178	190	203	254	267	292	330	356
D	150	165	179	194	245	278	322	405/395	460/445
D1	110	125	145	160	210	240	265	355/350	410/400
D2	88	102	122	138	188	212	268	320	370
b	18	19	19	19	20	2	22	24.5	24.5
f	3	3	3	3	3	3	3	3	4
N-d	4-19	4-19	4-19	8-19/4-19	8-19	8-23	12-23/8-23	12-28/12-23	12-28/12-23

DWJ41H BELLOW SEALED GLOBE VALVE





Specification standards

Design standard: DIN 3356/DIN EN13789
Face to face: EN558-1 Series 1
Flange drilled: EN 1092-2
Pressure:1.0MPa.1.6MPa
Size: DN15-DN300

Scope of Applications

Nominal Pressure	1.6	MPa
Shell Pressure Test	2.4	
Seal Pressure Test	1.76	
Temperature	-10-300° c	
Suitable Medium	Steam; Water; Oil	

Materials

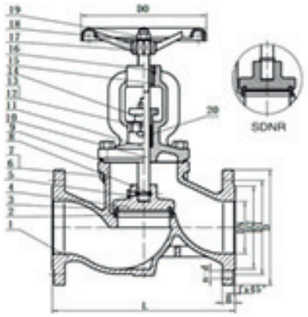
No.	Parts	Materials	German Standards
1	Body	Ductile iron	DIN1693 GGG40
2	Body Seat Ring	Stainless Steel	DIN17440XSCrNi189
3	Disc Seat Ring(DN65-200)	Stainless Steel	DIN17440XSCrNi189
4	DN15-50	DIN17440X20Cr13	DIN17440X20Cr13
	DN65-200	DIN1693 GGG40	DIN1693 GGG40
5	Screw	Steel	DIN17100 RSt37-2
6	Steel Ball	Steel	DIN17230 100Cr6
7	Gasket	Graphite	
8	Bolt	Steel	DIN17100 RSt37-2
9	Packing	Graphite	
10	Stem	Stainless Steel	DIN17440X20Cr13
11	Glander Follower	Ductile iron	DIN1693 GGG40
12	Nut	Steel	DIN17100 RSt37-2
13	T-Bolt	Steel	DIN17100 RSt37-3
14	Bonnet	Ductile iron	DIN1693 GGG40
15	Handwheel	Cast iron	DIN1691 GG25
16	Nut	Steel	DIN17100RSt37-2
17	Washer	Steel	DIN17100 RSt37-2

Main dimensions(PN16/PN10)

Size	L	D	D1	D2	B	f	n-Φk	D0	H
DN15	130	95	65	46	14	2	4-Φ14	100	160
DN20	150	105	75	56	16	2	4-Φ14	100	o
DN25	160	115	85	65	16	3	4-Φ14	120	166
DN32	180	140	100	76	18	3	4-Φ19	120	195
DN40	200	150	110	84	19	3	4-Φ19	140	199
DN50	230	165	125	99	20	3	4-Φ19	140	235
DN65	290	185	145	118	20	3	4-Φ19	200	261
DN80	310	200	160	132	20	3	8-Φ19	200	300
DN100	350	220	180	156	21	3	8-Φ19	240	357
DN125	400	250	210	184	21	3	8-Φ19	280	396
DN150	480	285	240	211	23	3	8-Φ23	315	465
DN200	600	340	295	266	23	3	Φ23/8-Φ23	360	488

DJ46H SDNR GLOBE VALVE





Specification standards

Design standard: EN 13789(DIN3356)
Face to face:EN558-1 Basic Series 1
Flange dimensions:EN1092-2
Testing Standard: EN 12266
Pressure:1.0MPa,1.6MPa
Size: DN15-DN300

Scope of Applications

Nominal Pressure		1.6	MPa
Test pressure	Shell	2.4	
	Seat	1.76	
Suitable Medium		Water; air, oil	
Temperature		<200℃	

Materials

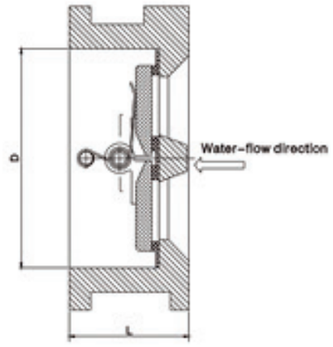
NO.	Parts		Materials
1	Body		Cast iron
2	Body Seat Ring		Stainless Steel
3	Disc Seat Ring(DN65-300)		Stainless Steel
4	Disc	DN15-50	Stainless Steel
		DN65-300	Cast iron
5	Screw		Steel
6	Nut		Steel
7	Bolt		Steel
8	Steel Ball		Steel
9	Gasket		Graphite
10	Stem		Stainless Steel
11	Bonnet		Cast iron
12	Bolt		Steel
13	Nut		Steel
14	Glander Follower		Ductile iron
15	Stem Nut		Cast Brass
16	Screw		Steel
17	Hand wheel		Cast iron
18	Washer		Steel
19	Nut		Steel
20	Packing		Graphite

Main dimensions(PN16/PN10)

Size	L	D	D1	D2	B	f	n-d	D0	H
DN15	130	95	65	46	14	2	4-14	100	162
DN20	150	105	75	56	16	2	4-14	100	169
DN25	160	115	85	65	16	3	4-14	120	187
DN32	180	150	100	76	18	3	4-19	120	223
DN40	200	150	110	84	19	3	4-19	140	234
DN50	230	165	125	99	20	3	4-19	140	262
DN65	290	185	145	118	20	3	4-19	200	293
DN80	310	200	160	132	20	3	8-19	200	341
DN100	350	220	180	156	22	3	8-19	240	381
DN125	400	250	210	184	24	3	8-19	280	419
DN150	480	285	240	211	26	3	8-23	315	485
DN200	600	340	295	266	30	3	12-23	360	569
DN250	730	405	355	319	32	3	12-28	400	634
DN300	850	460	410	370	32	4	12-28	400	801

H76 X H W DUAL PLATE CHECK VALVE





Purpose

This valve is used to prevent the medium in the pipeline from back flow and features a small volume

Executive standard

Structural length: GB/ 12221
Test and inspection: GB/T 13927

Main performance parameters

Size	40-600			mm
Pressure	1.0	1.6	2.5	MPa
Shell test	1.5	2.4	3.75	
Sealing test	1.1	1.76	2.75	
Hermetic seal test	0.6	0.6	0.6	
Suitable temperature	<100			°c
Suitable medium	Water			

Main part materials

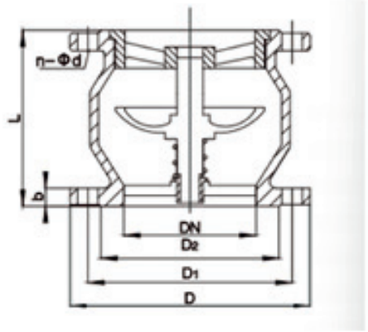
Model	Body	Disc	Stem	Spring	Seal ring	Suitable temperature
H76X	Cast iron	Cast iron	Stainless steel	Stainless steel	Rubber	<100℃
H76H	Cast steel	Cast steel	Stainless steel	Stainless steel	Alloy steel	425℃
H76W	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	425℃

Main dimensions(mm)

DN(mm)	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	43	43	46	64	64	70	76	89	114	114	127	140	152	152	178
D	55	65	82	95	118	146	171	255	266	312	362	412	452	507	626

HC41X FLANGED SILENCING CHECK VALVE





Purpose

This valve is mounted on the pump outlet and can prevent the medium from back flow and effectively eliminate both noise and water hammer in the high building water supply, fire fighting water supply and cooling circulation water systems.

Performance parameters

Size: DN50~DN600
Pressure: 1.6MPa
Working temperature: ⩽ 80°C
Suitable medium: Water
Size of flange: GB/T 17241.6
Test and inspection standard: GBT 13927

Materials

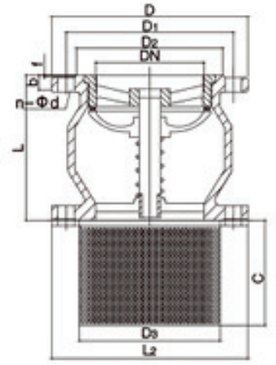
Description	Material
Body	Ductile iron
Disc	Ductile iron+EPDM
Stem	SS410
Seat	Ductile iron+Brass

Main Dimensions(mm)

DN	L	D	D1	D2	b	n-Φd
50	125	159	125	100	15	4-18
65	145	180	145	118	16	4-18
80	155	193	160	132	17	8-18
100	165	214	180	156	20	8-18
125	178	245	210	184	20	8-18
150	210	277	240	211	22	8-23
200	250	333	295	266	24	12-23
250	290	398	355	320	26	12-28
300	310	460	410	370	27	12-28
350	330	520	470	430	29	16-28
400	330	575	525	480	31	16-31
450	400	640	585	548	32	20-31
500	450	715	650	609	33	20-34
600	505	840	770	720	38	20-37

HC42X FLANGED END FOOT VALVE





Performance parameters

Size: DN50~DN600
Pressure: 1.6MPa
Working temperature: ⩽ 80°C
Suitable medium: Water
Size of flange: GB/T 17241.6
Test and inspection standard: GB/T 13927

Materials

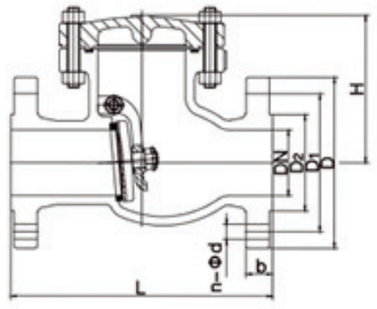
No	Description	Material
1	Body	GGG50
2	Seat	Ductile iron+EPDM
3	Disc	Ductile iron
4	Stem	2Cd3
5	Spring	SS
6	Locating Sleeve	WCB
7	Filter	SS304

Main Dimensions(mm)

DN	D	D1	D2	b	f	n-Φd	L	C	D3	L2
50	159	125	100	15	3	4-18	125	80	85	159
65	180	145	118	16	3	4-18	145	80	105	180
80	193	160	132	17	3	8-18	155	80	120	193
100	214	180	156	20	3	8-18	165	100	140	214
125	245	210	184	20	3	8-18	178	120	180	245
150	277	240	211	22	3	8-23	210	130	190	277
200	333	295	266	24	3	12-23	250	150	245	333

H44T FLANGED SWING CHECK VALVE





Purpose

This valve is used mainly for water supply and drainage system and can be set on the pump outlet to prevent the pump from getting harmed by the medium back flow. it can also be set on the mouth of a water outlet pipe to prevent the medium from back flow.

Specifications

Design	DIN3202
Size	DN40~DN600
Pressure	1.6MPa
Working Temperature	≤ 100°C
Medium	Water, Sewage

Main part materials

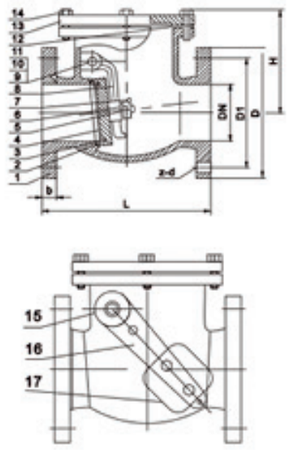
Description	Material
Body	Ductile iron/Cast iron
Disc	Cast iron+Brass
Stem	SS410
Seat	Brass

Main Dimensions(mm)

DN	L	D	D1	D2	n-Φd	H	f	b
40	180	150	110	88	4-Φ19	114	3	19
50	200	165	125	102	4-Φ19	127	3	19
65	240	185	145	122	4-Φ19	137	3	19
80	260	200	160	138	8-Φ19	150	3	19
100	300	220	180	158	8-Φ19	164	3	19
125	350	250	210	188	8-Φ19	185	3	19
150	400	285	240	212	8-Φ23	205	3	19
200	500	340	295	268	12-Φ23	249	3	22
250	600	405	355	319	12-Φ28	305	3	22
300	700	460	410	370	12-Φ28	412	4	24.5
350	800	520	470	415	16-Φ28	445	4	26.5
400	900	580	525	465	16-Φ31	505	4	28
450	1000	640	585	520	20-Φ31	695	4	30
500	1100	715	650	570	20-Φ34	750	4	31.5
600	1300	840	770	670	20-Φ37	850	4	36

SWING CHECK VALVE WITH HAMMER HH44T





Performance parameters

1.Conforms to MSs Sp-71.
2.Face to face dimensions con for is to ANSI B16.10(1251b)
3.Flanges drilled conforms to ANSI B16.1(1251b)
4.Suitable me die:Water.Oil.Gas

Main part material

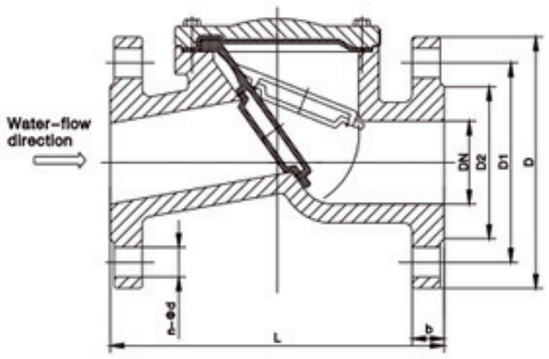
No.	Part Name	Material	Standard
1	Body	Cast iron/Ductile iron	ASTM A126B
2	Body Seat Ring	Bronze	
3	Disc Seat Ring	Bronze	
4	Disc	Cast iron/Ductile iron	ASTM A126B
5	Washer	Carbon Steel	A3
6	Nut	Carbon Steel	A3
7	Cotter Pin	Stainless Steel	SS304
8	Arm	Ductile iron	ASTM A536
9	Hing Pin	Brass	
10	Plug	Carbon Steel	A3
11	Gasket	NYL	
12	Gasket	NBR	ASTM D2000
13	Bonnet	Cast iron/Ductile iron	ASTM A126B
14	Bolt	Carbon Steel	A3
15	Gland	Ductile iron	ASTM A536
16	Hinge	Ductile iron	ASTM A536
17	Hammer	Cast iron/Ductile iron	ASTM A126B

Performance parameters

DN	D	D1	L	b	Z-d	H
11/2"	127	98.5	165	15	4-Φ16	120
2"	152	120.5	203	16	4-Φ19	137
21/2"	178	139.5	216	17.5	4-Φ19	143
3"	191	152.5	241	19	4-Φ19	154
4"	229	190.5	292	24	4-Φ19	171
5"	254	216	330	24	8-Φ22	204
6"	279	241.5	356	25.5	8-Φ22	219
8"	343	298.5	495	29	8-Φ22	258
10"	406	362	622	30.5	12-Φ25	290
12"	483	432	698	32	12-Φ25	325
14"	533	476	787	35	12-Φ29	361
16"	597	540	914	37	16-Φ29	388
18"	635	577.9	927	39.7	16-Φ32	450
20"	699	635	956	43	20-Φ32	518
24"	813	749.5	1118	48	20-Φ32	620

HC44X RUBBER DISC SWING CHECK VALVE





Purpose

This valve is used mainly for water supply and drainage system and can be set on the pump outlet to prevent the pump from getting harmed by the medium back flow. it can also be set on the mouth of a water outlet pipe to prevent the medium from back flow.

Executive standard

Size of flange: GB/T 17241.6
Test and inspection standard: GB/T 13927

Main performance parameters

Pressure	PN1.6MPa
Size	DN50-DN800
Suitable temperature	<80℃
Medium	Water, Sewage

Main part materials

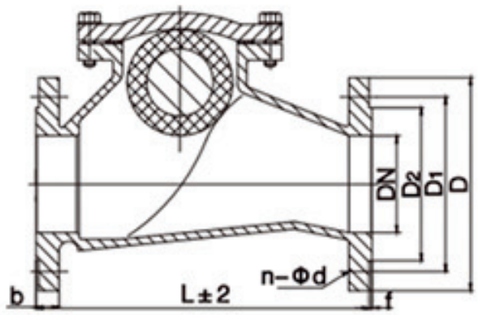
Title	Material
Body	Grey cast iron/Ductile iron/Cast steel
Bonnet	Grey cast iron/Ductile iron/Cast steel
Disc	Rubber+Ductile iron

Main dimensions(mm)

DN	L	D	D1	D2	b	n-Φd
50	200	156	125	99	17	4-19
65	225	180	145	120	17	4-19
80	245	195	160	135	18	8-19
100	297	215	180	154	19	8-19
125	297	245	210	180	19	8-19
150	360	280	240	210	22	8-23
200	475	335	295	265	22	12-23
250	490	405	355	320	22	12-28
300	550	460	410	370	25	12-28
350	610	520	470	429	27	16-28
400	660	580	525	480	28	16-31
450	705	640	585	548	30	20-31
500	750	715	650	609	31.5	20-34
600	900	840	770	720	36	20-37
700	971	910	840	794	36	24-37
800	1090	1025	950	901	38	24-40

HQ41X ROLLING BALL CHECK VALVE





Purpose

This product is mainly set on the pump outlet in cold water, hot water, industrial and living sewage pipe-nets to prevent the medium from back flow and more suitable for Submersible sewage pumps.

Executive standard

Size of flange: GB/T 17241.6
Test and inspection standard: GB/T 13927

Main performance parameters

Size	50-300			mm
Pressure	1.0	1.6	2.5	MPa
Shell test	1.5	2.4	3.75	
Sealing test	1.1	1.76	2.75	
Hermetic seal test	0.6	0.6	0.6	
Suitable temperature	<100			*c
Suitable medium	Water			

Main part materials

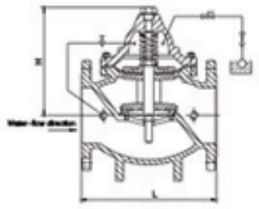
Title	Material
Body	Grey cast iron/Ductile iron/Cast steel
Valve ball	Rubber+Steel

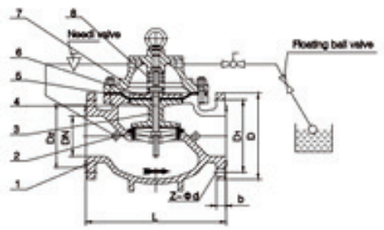
Main dimensions(mm)

DN		50	65	80	100	150	200	250	300
L		219	222	256	282	353	432	495	550
D	PN10	185	185	200	220	280	335	395	445
	PN16	185	185	200	220	280	335	405	460
D1	PN10	145	145	160	180	240	295	350	400
	PN16	145	145	160	180	240	295	355	410
n-Φd	PN10	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-23
	PN16	4-19	4-19	8-19	8-19	8-19	12-23	12-26	16-26

100X REMOTE CONTROL FLOATING VALVE







Purpose

Able to control the liquid surface of a water tower or pool. Suitable for the automatic water supply system of various water pools and towers in industrial and mineral enterprises and civil buildings

Principle

The upper cavity of the master valve is connected to the controlling floating ball and the floating ball valve is fixed on the liquid surface of a water tower. The floating ball valve is opened along with the lowering of the liquid surface to make the master valve opened to supply water to the water tower; and, when the liquid surface rises to the floating ball valve position, the floating ball valve is closed, so is the master one to stop water supply to the water tower.

Executive standard

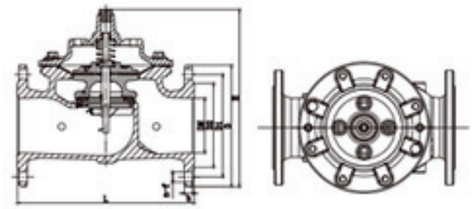
Size of flange: GB/T 17241.6
Test and inspection: GB/T 13927

Main dimensions(mm)

DN(mm)	Length L	1.0MPa	1.0MPa	1.0MPa	1.6MPa	1.6MPa	1.6MPa	2.5MPa	2.5MPa	2.5MPa	2.5MPa
		D	D1	n-d	D	D1	n-d	L	D	D1	n-d
50	218	160	125	4-18	160	125	4-18	255	160	125	4-19
65	235	160	145	4-18	180	145	4-18	240	180	145	8-19
80	250	195	160	8-18	195	160	8-18	290	195	160	8-19
100	290	220	180	8-18	220	180	8-18	325	250	190	8-23
125	325	245	210	8-18	245	210	8-18	340	270	220	8-28
150	360	282	240	8-22	282	240	8-18	400	300	250	8-28
200	425	335	295	8-22	335	295	12-22	465	360	310	12-28
250	508	400	350	12-22	400	355	12-26	555	450	370	12-31
300	590	445	400	12-22	460	410	12-26	625	485	430	16-31
350	647	505	460	16-22	520	470	16-26				
400	720	565	515	16-26	580	525	16-30				
450	743	615	565	20-26	640	585	20-30				
500	782	670	620	20-26	715	650	20-34				
600	917	780	725	20-30	840	770	20-36				

550XSURGE ANTICIPATING CONTROL VALVE





Purpose

Surge Anticipating Valve Is indispensable for protecting pumps, pumping equipment and all applicable pipelines from dangerous pressure surges caused by rapid changes of flow velocity within a pipeline.

Performance Parameters:

Pressure:1.0Mpa;1.6Mpa;2.5Mpa
Size :DN50-DN600
Temperature:-10°C -80C
Medium: Water
Standards :BS EN 1074-5,
1S0 5208, BSEN12266-1,
BS EN 558-1.

Main parts material

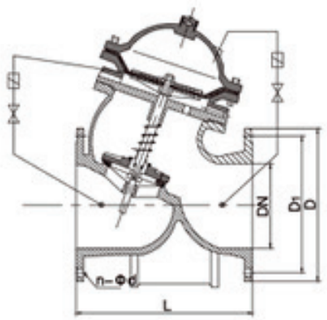
Item	part	Material
1	Body/bonnet	Ductile iron
2	Cover	Ductile iron
3	Stem	AISI304
4	Diaphgram	Nylon+EPDM
5	Support Ring	Ductile iron
6	Obturator	Ductile iron
7	Spring	AISI304
8	O ring	NBR
9	Seat	AISI 304
10	V-Port	AISI304
11	Nut	AISI 304
12	Seal Rings	NBR/EPDM
13	Coating	EPOXY RESIN

Mam dimensions (mm)

EN 588			EN 1092 pn10					EN 1092 pn16					EN 1092 pn25				
	L	H	D	D1	f	n	D2	D	D1	f	n	D2	D	D1	f	n	D2
50	230	139	165	125	19	4	99	165	125	19	4	99	165	125	19	4	99
65	290	159	185	145	19	4	118	185	145	19	4	118	185	145	19	4	118
80	310	179	200	60	19	8	132	200	160	19	8	132	200	160	23	8	132
100	350	214	220	180	19	8	156	220	180	19	8	156	235	190	23	8	156
150	480	333	285	240	23	8	211	285	240	23	8	211	300	250	28	8	211
200	600	407	340	295	23	8	266	340	295	23	12	266	360	310	28	8	274
250	730	476	395	350	23	12	319	405	355	28	12	319	425	370	31	12	330
300	850	526	445	400	23	12	370	460	410	28	12	370	485	430	31	12	389
400	1100	624	565	515	28	16	480	580	525	31	16	480	620	550	37	16	503
500	1250	720	670	620	28	20	582	715	650	34	20	609	730	660	37	20	609
600	1450	835	780	725	31	20	682	840	770	37	20	720	845	770	41	20	720

JD745X WATERPOWER PUMP CONTROL VALVE





Performance range

Size	50~1200			mm
Pressure	1.0	1.6	2.5	MPa
Shell test	1.5	2.4	3.75	
Sealing test	1.1	1.76	2.75	
Hermetic seal test M	0.6	0.6	0.6	
Suitable medium	≤100			°C
Size	Water			

Main part materials

Title	Material
Body, Bonnet	Grey cast iron/Cast steel/Stainless steel
Stem	Stainless steel
Membrane	Reinforced NBR
Seal ring of disc	Rubber
Spring	Stainless steel
Disc, Seat ring	Copper alloy
Surface coating	Epoxy resine

Note:

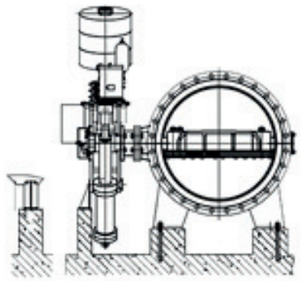
1.When PN=2.5MPa, the material of both body and bonnet is cast steel, the flange size executes.
2.The control pipeline, piolt valve, piping etc. outside of the master valve are all made of copper alloy.
3.The rubber part can also be made of EPDM or fluorine rubber.

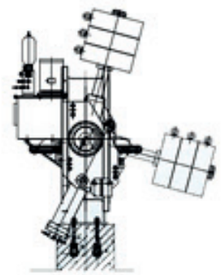
Main dimensions(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600
L		200	210	240	295	330	350	430	500	560	600	650	710	760	880
D	PN10	165	185	200	220	250	285	340	395	445	505	565	615	670	780
	PN16	165	185	200	220	250	285	340	405	460	520	580	640	715	840
D1	PN10	125	145	160	180	210	240	295	350	400	460	515	565	620	725
	PN16	125	145	160	180	210	240	295	355	410	470	525	585	650	770
n-Φd	PN10	4-18	4-18	8-18	8-18	8-18	8-22	8-22	12-22	12-22	16-22	16-26	20-26	20-26	20-30
	PN16	4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26	16-26	16-30	20-30	20-33	20-36

HEAVY HAMMER TYPE HYDRAULIC CONTROL SYSTEM HHD743





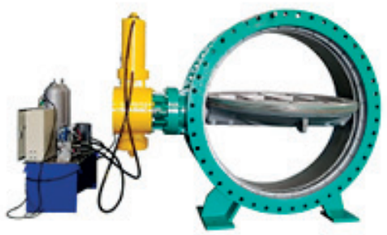


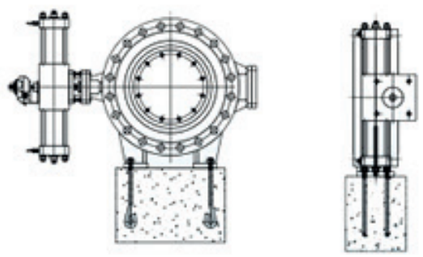
Purpose

It is an advanced pipeline control equipment domestic and overseas at present., it's mainly used in enter port of hydraulic turbine, hydropower station, As the Intlet valve of hydraulic turbine; Or installed in water pump outlet of most kinds of pump stations.

Technical standards		Open-close parameters		Main information	
Design	GB/T14478	Open	5-120S(adjustable)	Size	DN500-DN3200
Hydraulic system	JB/T5299	Quick close	2-30S(adjustable)	Body	Ductile iron
Connection	GB/T9113	Slow close	5-120S(adjustable)	Sisc	Ductile iron
Face to face	GB/T12221	Quick close angle	70+10° (adjustable)	Stem	2Cr13
Test & inspection	GB/T13927	Slow close angle	20+10° (adjustable)	Seat	1Cr18Ni9Ti

ACCUMULATOR TYPE HYDRAULIC BUTTERFLY VALVE HD743





Purpose

It is an advanced pipeline control equipment domestic and overseas at present., it's mainly used in enter port of hydraulic turbine, hydropower station, As the Intlet valve of hydraulic turbine; Or installed in water pump outlet of most kinds of pump stations.

Technical standards		Open-close parameters		Main information	
Design	GB/T14478	Open	5-120S(adjustable)	Size	DN500-DN3200
Hydraulic system	JB/T5299	Quick close	2-30S(adjustable)	Body	Ductile iron
Connection	GB/T9113	Slow close	5-120S(adjustable)	Sisc	Ductile iron
Face to face	GB/T12221	Quick close angle	70+10° (adjustable)	Stem	2Cr13
Test & inspection	GB/T13927	Slow close angle	20+10° (adjustable)	Seat	1Cr18Ni9Ti

200X PRESSURE REDUCING VALVE



Purpose

Adjust and control the outlet pressure of the master valve. The said pressure will not be changed along with the change with the inlet pressure, neither along with the change of the flow on the master valve outlet, Applicable for the living water supply, firefighting system and industrial water supply system.

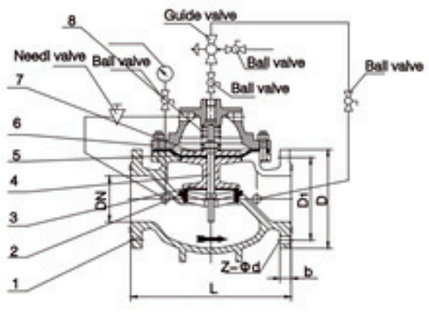
Principle

He medium, when enters the lower cavity of the body, pushes the disc upward and, at the same time, the medium enters the upper cavity of the diaphragm via the control pipe outside of the master valve. The upper cavity pressure is adjusted by the pilot valve The pressure difference between the upper and lower cavities decides the up-and-down movement of the disc so as to change the outlet pressure, When the pressures of both cavities are identical, the disc stops at a some position and the outlet pressure is kept unchanged, acting at stabilizing the pressure.

Executive standard

Size of flange: GB/T 17241.6
Test and inspection: GB/T 13927

Typical diagram of installation



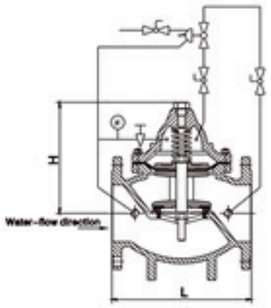
No.	Part	Material
1	Body	Ductile iron
2	Seat	Ductile iron
3	Disc	2Cr13+Rubber
4	Stem	2Cr13
5	Diaphragm	Rubber
6	Gland	Ductile iron
7	Bonnet	Ductile iron
8	Spring	Steel
9	Accessories	Stainless Steel

Main dimensions(mm)

DN	Length	Main dimensions									
		1.0MPa			1.6MPa			2.5MPa			
mm	L	D	D1	n-d	D	D1	n-d	L	D	D1	n-d
50	218	160	125	4-18	160	125	4-18	235	160	125	4-19
65	235	180	145	4-18	180	145	4-18	240	180	145	8-19
80	250	195	160	8-18	195	160	8-18	290	195	160	8-19
100	290	220	180	8-18	220	180	8-18	325	230	190	8-23
125	325	245	210	8-18	245	210	8-18	340	270	220	8-28
150	360	282	240	8-22	282	240	8-22	400	300	250	8-28
200	425	335	295	8-22	335	295	12-22	465	360	310	12-28
250	508	400	350	12-22	400	355	12-26	555	430	370	12-31
300	590	445	400	12-22	460	410	12-26	625	485	430	16-31
350	647	505	460	16-22	520	470	16-26				
400	720	565	515	16-26	580	525	16-30				
450	743	615	565	20-26	640	585	20-30				
500	782	670	620	20-26	715	650	20-34				
600	917	780	725	20-30	840	770	20-36				

500X PRESSURE RELIEF VALVE





Purpose

This valve is used for the high building fire fighting system. When the pressure in the water supply pipeline is over the one set for pressure relieving, the pressure relieving valve is opened to prevent both pipeline and equipment from getting damaged due to an excessive pressure; and, when the said pressure lowers to the set value, this valve will be closed automatically.

Principle

The inlet side of the master valve is connected to the pilot valve via a control pipe and, when the pressure at the said side is over the one set for the pilot valve, the pilot valve is opened to relieve the pressure in the upper cavity of the diaphragm and the main disc is opened along with, The master valve relieves pressure and, when the pressure lowers to the set one, the pilot valve is closed,so is the master valve.

Executive standard

Size of flange: GB/T 17241.6
Test and inspection: GB/T 13927

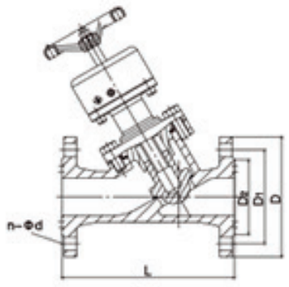
No.	Part	Material
1	Body	Ductile iron
2	Seat	Ductile iron
3	Disc	2Cr13+Rubber
4	Stem	2Cr13
5	Diaphragm	Rubber
6	Gland	Ductile iron
7	Bonnet	Ductile iron
8	Spring	Steel
9	Accessories	Stainless Steel

Main dimensions(mm)

DN	Length	Main dimensions									
		1.0MPa			1.6MPa			2.5MPa			
mm	L	D	D1	n -d	D	D1	n -d	L	D	D1	n -d
50	218	160	125	4-18	160	125	4-18	235	160	125	4-19
65	235	180	145	4-18	180	145	4-18	240	180	145	8-19
80	250	195	160	8-18	195	160	8-18	290	195	160	8-19
100	290	220	180	8-18	220	180	8-18	325	230	190	8-23
125	325	245	210	8-18	245	210	8-18	340	270	220	8-28
150	360	282	240	8-22	282	240	8-22	400	300	250	8-28
200	425	335	295	8-22	335	295	12-22	465	360	310	12-28
250	508	400	350	12-22	400	355	12-26	555	430	370	12-31
300	590	445	400	12-22	460	410	12-26	625	485	430	16-31
350	647	505	460	16-22	520	470	16-26				
400	720	565	515	16-26	580	525	16-30				
450	743	615	565	20-26	640	585	20-30				
500	782	670	620	20-26	715	650	20-34				
600	917	780	725	20-30	840	770	20-36				

SP45F BALANCING VALVE





Purpose

Digital lock balance valve is a multi-functional liquid flow control valve, t can be convenient and accurate regulation of flow, widely used in heating and air conditioning system and other need to regulate the flow of pipeline system.

Main performance parameters

Size	50-300		mm
Pressure	1.0	1.6	MPa
Shell test	1.5	2.4	
Sealing test	1.1	1.76	
Suitable temperature	<120		℃
Suitable medium	Water		

Size of flange: GB/T 17241.6

Main part material

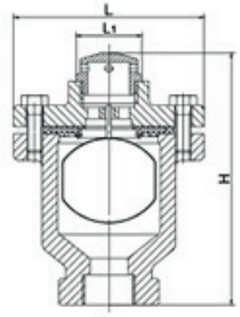
Part	Material
Body	Cast iron/Ductile iron
Bonnet	Cast iron/Ductile iron
Disc	Stainless steel
Seat	PTFE
Stem	2Cr13
Gasket	XB450
Hand wheel	Q235
Test valve	Cooper

Main dimensions(mm)

DN		50	65	80	100	125	150	200	250	300
L		232	258	284	310	335	364	470	560	600
D	PN10	160	180	190	215	245	280	335	405	455
	PN16	160	180	190	215	245	280	335	405	455
D1	PN10	125	145	160	180	210	240	295	350	400
	PN16	125	145	160	180	210	240	295	355	410
n-Φd	PN10	4-18	4-18	8-18	8-18	8-18	8-23	8-23	12-23	12-23
	PN16	4-18	4-18	8-18	8-18	8-18	8-23	12-23	12-26	16-26

ARVX MICRO AIR VALVE





Purpose

This valve is suitable for installation in high-rise building, factory, small pumping stations, water distribution, for air discharge tube and improve the systems of water conveyance efficiency and save energy.

Feature

Small in size, easy to install

Performance parameters

Nominal diameter: DN10~50mm
Nominal pressure: PN1.6 MPa
Suitable temperature:<80°C
Suitable medium: Water
Connection: Female screwed
Test standard: GB/T 13927

Maine part Materials

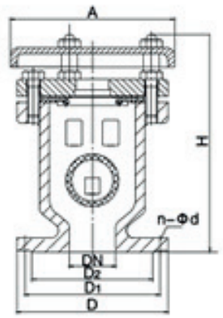
Bonnet-Ductile iron,
Chock plug-Rubber
Seat/Floating ball-Stainless steel
Body-Ductile iron
Lever-Stainless steel

Main dimensions(mm)

DN	ZG	H	L	L1
15	1/2'	145	120	15
20	3/4'	145	120	15
25	1'	150	120	15
32	1 1/4'	155	120	15
40	1 1/2'	155	120	15
50	2'	155	120	15

P41X SINGLE OPENING AIR VALVE





Purpose

This valve installed on pipe peak or there is breath, is used to eliminate the gas of pipe to pipe functioning as power outages, stop the pump, the valve inlet timely, ensure the security of the pipeline.

Feature

Single opening exhaust valves small in size and light in weight, Row of inspiratory volume.

Performance parameters

Nominal pressure: PN1.6 MPa
Suitable temperature: s 80°C
Suitable medium: Water

Maine part Materials

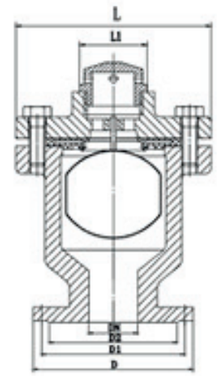
Bonnet-Ductile iron,
Chock plug-Rubber
Seat/Floating ball-Stainless steel
Body-Ductile iron
Lever-Stainless steel

Main dimensions(mm)

DN	A	D	D1	D2	b	f	n-Φd	H
50	140	160	125	99	17	3	4-18	230
65	140	180	145	118	17	3	4-18	235
80	140	195	160	132	17	3	8-18	250
100	180	215	180	156	17	3	8-18	255
125	180	245	210	184	18	3	8-18	255
150	180	280	240	211	18	3	8-23	260
200	295	335	290	266	24	3	12-23	300
250	295	405	355	320	24	3	12-28	340
300	295	460	410	370	24	3	12-28	340

QB1 SINGLE OPENING AIR VALVE





Purpose

This valve is suitable for installation in high-rise building, factory, small pumping stations, water distribution, for air discharge tube and improve the systems of water conveyance efficiency and save energy.

Feature

Small in size, easy to install.

Performance parameters

Nominal diameter: DN20~50mm
Nominal pressure: PN1.6 MPa
Suitable temperature:s 80C
Suitable medium: Water
Connection:Female screwed
Test standard:GB/T13927

Maine part Materials

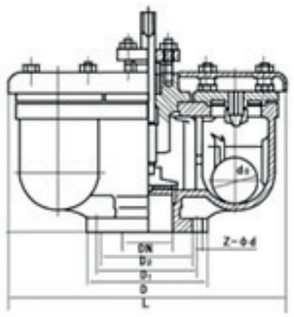
Bonnet- Ductile iron,
Chock plug-Rubber
Seat/Floating ball-Stainless steel
Body-Ductile iron
Lever-Stainless steel

Main dimensions(mm)

DN	L	L1	D	D1	D2
20	120	15	105	75	56
25	120	15	115	85	65
32	120	15	140	100	76
40	120	15	150	110	84
50	120	15	165	125	99

QB2 FLANGE DOUBLE-CHAMBER EXHAUST VALVE





Purpose

Flange double-chamber exhaust valve is suitable for the working medium of water on the pipeline, in order to improve the efficiency of water conveying equipment and protect the pipeline from deformation and rupture, is the necessary equipment of the pipeline. it is used for the most store on the pipeline or the place with closed air and the outlet of the pump to remove the gas in the pipeline to dredge the pipeline and achieve normal work. if the exhaust valve is not installed, the pipeline will be blocked at any time, so that the outlet capacity of the pipeline can not meet the design requirements, Secondly, when the pipeline is running, the pump stop and power failure phenomenon will produce negative pressure causing pipeline vibration or rupture, and the rapid exhaust valve can quickly draw air into the pipe to prevent pipeline vibration or rupture.

Feature

Single opening exhaust valves small in size and light in weight, Row of inspiratory volume

Performance parameters

Nominal pressure: PN1.6 MPa
Suitable temperature:<80°C
Suitable medium:Water

Maine part Materials

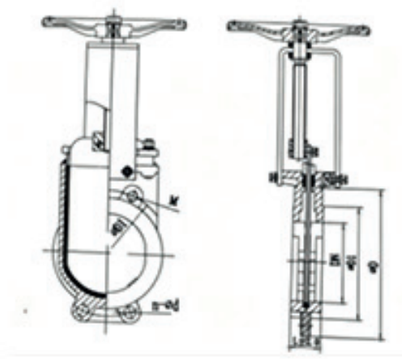
Bonnet/Body-Ductile iron, Carbon Steel,Stainless Steel
Floating ball-Stainless steel

Main dimensions(mm)

DN	L	D	D2	D1	Z-φd
50	255	160	99	125	4-φd
80	320	195	135	160	8-18
100	330	215	158	180	8-18
150	410	280	212	240	8-22
200	440	335	265	295	8-22

SLURRY KNIFE GATE VALVE GCU73





Purpose

he Slurry valve has simple structure, small size, light weight, small flow resistance, and the medium is not easy to pre cipitate in the valve body, As well as many advantages such as easy installation, while having manual and electro-hydraulic operation functions. Electrical control: stroke switch control, position display instrument control, the realization of machine, electrical, hydraulic, instrument integration and other multi-functional system. This type of valve should generally be installed horizontally in the pipeline.Widely used in mining, iron and steel industry, purification equipment, paper industry,sugar industry, food industry and so on.

Executive standard

Flange standard: GB/T 9113/ ANSI B16.5
Test and inspection: GB/T 13927/ ANSI 598

Performance range

Pressure	1.0	1.6	150Lb	MPa
Strength test	1.5	2.4	3.0	
Sealing test	1.1	1.76	2.2	
Suitable temperature	PTFE ≤ 200:Carbon steel ≤ 425; Stainless steels600: Chrome-molybdenum-vanadium steel<600			°C
Medium	Syrup, paper pulp, sewage, coal paste,lime-ash water etc.			

Main part materials

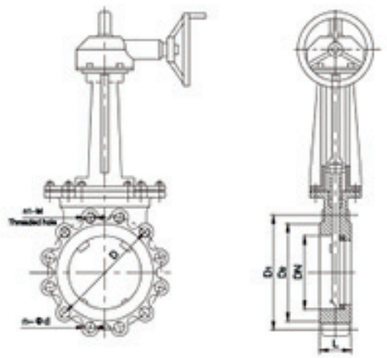
Title of part	Material
Body/Bonnet	Ductile iron
Gate	Ductile iron
Stem	Stainless steel
Sealing face	Rubber,PTFE,Stainless steel, Carbide alloy

Main dimensions(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900
L		48	48	51	51	57	57	70	70	76	76	89	89	114	114	127	127	154
D	PN10	165	185	200	220	250	285	340	395	445	505	565	615	670	780	895	1015	1115
	PN16	165	185	200	220	250	285	340	405	460	520	580	640	715	840	910	1025	1125
	150Lb	150	180	190	230	255	280	345	405	485	535	595	635	700	815			
D1	PN10	125	145	160	180	210	240	295	350	400	460	515	565	620	725	840	950	1050
	PN16	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950	1050
	150Lb	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8	577.9	635	749.3			
n-Φd	PN10	4-18	8-18	8-18	8-18	8-18	8-22	8-22	12-22	12-22	16-22	16-26	20-26	20-26	20-30	24-30	24-33	28-33
	PN16	4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26	16-26	16-30	20-30	20-33	20-36	24-36	24-39	28-39
	150Lb	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-26	12-26	12-29	16-29	16-32	20-32	20-35			

LUG TYPE MANUAL OPERATED KNIFE GATE VALVE LTPZ73





Purpose

Mainly used for slag, bug dust, paper pulp, sewage, asphalt, grout etc. transporting pipelines in industrial, mining, environmental protection, food etc. trades, acting at connecting and closing the pipeline

Executive standard

Flange standard: GB/T 9113/ ANSI B16.5
Test and inspection: GB/ 13927/ ANSI 598

Performance range

Pressure	1.0	1.6	150Lb	MPa
Strength test	1.5	2.4	3.0	
Sealing test	1.1	1.76	2.2	
Suitable temperature	PTFE ≤ 200:Carbon steel ≤ 425; Stainless steel ≤ 600: Chrome-molybdenum-vanadium steel ≤ 600			°C
Medium	Syrup, paper pulp, sewage, coal paste,lime-ash water etc.			

Main part materials

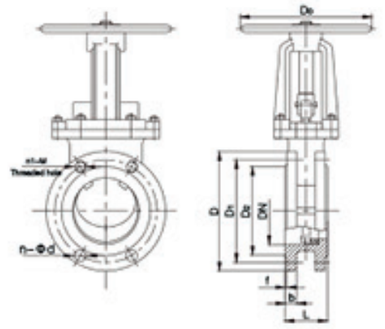
Title of part	Material
Body/Bonnet	Carbon steel、Stainless steel
Gate	Carbon steel、Stainless steel
Stem	Stainless steel
Sealing face	Rubber.PTFE,Stainless steel. Carbide alloy

Main dimensions(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900
L		48	48	51	51	57	57	70	70	76	76	89	89	114	114	127	127	154
D	PN10	165	185	200	220	250	285	340	395	445	505	565	615	670	780	895	1015	1115
	PN16	165	185	200	220	250	285	340	405	460	520	580	640	715	840	910	1025	1125
	150Lb	150	180	190	230	255	280	345	405	485	535	595	635	700	815			
D1	PN10	125	145	160	180	210	240	295	350	400	460	515	565	620	725	840	950	1050
	PN16	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950	1050
	150Lb	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8	577.9	635	749.3			
n-Φd	PN10	4-18	8-18	8-18	8-18	8-18	8-22	8-22	12-22	12-22	16-22	16-26	20-26	20-26	20-30	24-30	24-33	28-33
	PN16	4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26	16-26	16-30	20-30	20-33	20-36	24-36	24-39	28-39
	150Lb	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-26	12-26	12-29	16-29	16-32	20-32	20-35			

MANUAL OPERATED KNIFE GATE VALVE PZ73





Purpose

Mainly used for slag, bug dust, paper pulp, sewage, asphalt, grout etc. transporting pipelines in industrial, mining, environment protection, food etc. trades, acting at connecting and closing the pipeline.

Executive standard

Flange standard: GB/T 9113/ ANSI B16.5
Test and inspection: GB/T 13927/ ANSI 598

Performance range

Pressure	1.0	1.6	150Lb	MPa
Strength test	1.5	2.4	3.0	
Sealing test	1.1	1.76	2.2	
Suitable temperature	PTFE ≤ 200:Carbon steel ≤ 425; Stainless steel ≤ 600: Chrome-molybdenum-vanadium steel ≤ 600			°C
Medium	Syrup, paper pulp, sewage, coal paste,lime-ash water etc.			

Main part materials

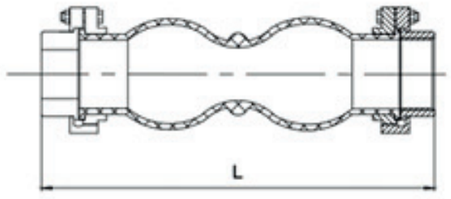
Title of part	Material
Body/Bonnet	Carbon steel、Stainless steel
Gate	Carbon steel、Stainless steel
Stem	Stainless steel
Sealing face	Rubber.PTFE,Stainless steel. Carbide alloy

Main dimensions(mm)

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900
L		48	48	51	51	57	57	70	70	76	76	89	89	114	114	127	127	154
D	PN10	165	185	200	220	250	285	340	395	445	505	565	615	670	780	895	1015	1115
	PN16	165	185	200	220	250	285	340	405	460	520	580	640	715	840	910	1025	1125
	150Lb	150	180	190	230	255	280	345	405	485	535	595	635	700	815			
D1	PN10	125	145	160	180	210	240	295	350	400	460	515	565	620	725	840	950	1050
	PN16	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950	1050
	150Lb	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8	577.9	635	749.3			
n-Φd	PN10	4-18	8-18	8-18	8-18	8-18	8-22	8-22	12-22	12-22	16-22	16-26	20-26	20-26	20-30	24-30	24-33	28-33
	PN16	4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26	16-26	16-30	20-30	20-33	20-36	24-36	24-39	28-39
	150Lb	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-26	12-26	12-29	16-29	16-32	20-32	20-35			

KOTF-1 TWIN SPHARE FLANGED FLEXIBLE RUBBER JOINT





Specification

Pressure rating	PN16
nominal medium	Hot and cold water, air, oil
working temperature	<80°C

Materials

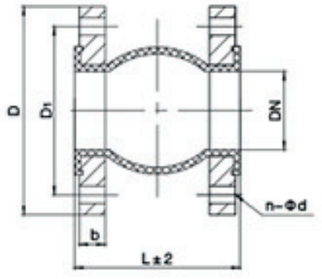
Description	Material
Body	EPDM
Reinforcing fabric	Synthetic fiber
Nut & nut.	Mild steel
Union	Ductile iron

Main dimensions(mm)

DN		L(mm)
Inches	mm	
1/2'	15	170
3/4'	20	170
1 1/4'	25	170
1 1/2'	32	185
1'	40	185
2'	50	185

KDTF-2 SINGLE SPHERE FLANGED RUBBER EXPANSION JOINT





Purpose

Used to connect the water supply and drainage, air pipelines in building, petroleum and chemical etc, industries and able to eliminate the pipeline shock, compensate the pipeline telescopic amount to make installation easier.

Performance parameters

Pressure rating	PN10, PN16
Temperature at us	-15~115°C
Suitable medium	Air, water, seawater, oil

Materials

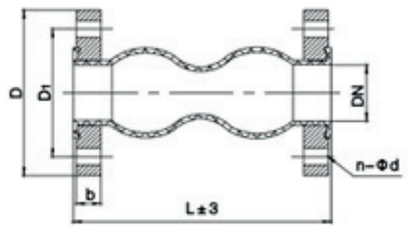
Description	Material
Body	EPDM
Reinforce	Nylon cord fabric
Rein foring wire	Spring steel wire
Flange	Mild steel zinc plated

Main dimensions(mm)

DN		50	65	80	100	125	150	200	250	300
L		105	115	135	150	165	180	210	230	245
D		165	185	200	220	250	280	340	405	460
D1		125	145	160	180	210	240	295	355	410
b		15	15	17	18	20	20	22	24	24
n-Φd		4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26
Axial displacement	Extension	7	7	8	10	12	12	16	16	16
	Canprassion	10	13	15	19	19	20	25	25	25
Lateral displacement		10	11	12	13	13	14	22	22	22
Deflection angle		15	15	15	15	15	15	10	10	10

KDTF-3 DOUBLE SPHERE FLANGED RUBBER EXPANSION JOINT





Purpose

Used to connect the water supply and drainage, air pipelines in building, petroleum and chemical etc, industries and able to eliminate the pipeline shock, compensate the pipeline telescopic amount to make installation easier.

Performance parameters

Pressure rating	PN10, PN16
Temperature at us	-15~115°C
Suitable medium	Air, water, seawater, oil

Materials

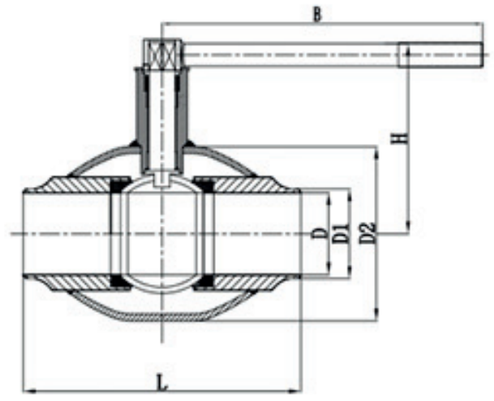
Description	Material
Body	EPDM
Reinforce	Nylon cord fabric
Rein foring wire	Spring steel wire
Flange	Mild steel zinc plated

Main dimensions(mm)

DN		50	65	80	100	125	150	200	250	300
L		165	170	175	225	225	225	325	325	325
D		165	185	200	220	250	285	340	405	460
D1		125	145	160	180	210	240	295	355	410
b		15	15	17	18	20	20	20	24	24
n-Φd		4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26
Axial displacement	Extension	30	30	30	30	35	35	35	35	35
	Canprassion	50	50	50	50	50	50	50	60	60
Lateral displacement		19	19	19	24	24	24	26	26	26
Deflection angle		15	15	15	15	15	15	15	15	15

FULL WELDED FULL BORE BALL VALVE Q61F





Purpose

The valve in the pipeline is mainly used for cutting equipment use,widely used in perochemial ,power station,metallurgy and other industrial fluid pipe, can also be used for oxygen,hydrogen peroxide ,methane and ethlene gas pipeline etc.

Main performance parameters

Size	50~200			mm
Pressure	1.0	1.6	2.5	MPa
Shell test	1.5	2.4	3.75	
Sealing test	1.1	1.76	2.75	
Suitable temperature	≤120			°C
Suitable medium	Water			

Size of flange: GB/T 17241.6

Main performance parameters

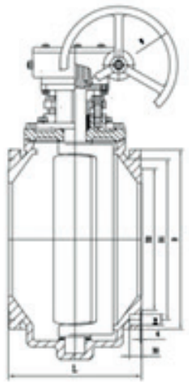
Part	Material
Body	20#
Ball	SS304
Seat Sealing Ring	PTFE
O-Ring	VITON
Stem	SS304
Handle	20#

Main dimensions(mm)

DN	L	H	D2	D1	D2	B
25	230	76	20	34	48	159
32	260	85	25	42	60	159
40	260	95	32	48	70	245
50	300	124	40	60	83	245
65	300	162	50	76	102	320
80	300	175	65	89	140	320
100	325	192	80	108	168	450
125	350	205	100	133	203	450
150	400	225	125	159	219	450
200	520	275	150	209	270	450

PLUG VALVE





Purpose

Plug valve is intalled in petroleum, chemical, pharmaceutical, chemical fertilizer, electric power and other industries in various conditions of the pipeline, used to cut off or connect the pipeline medium.

Performance Parameters

Norminal Diameter: DN15-DN350
Norminal Pressure: PN16 PN25 PN64
150LB 300LB 900LB
Temperature:<180°C
Medium: Water, Steam, Oil
Connection: Flange

Main Material

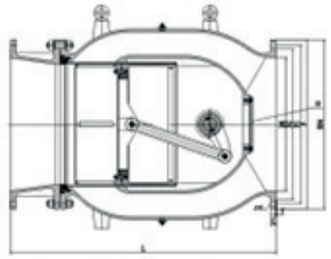
Body: WCB CF8 CF8M CF3 CF3M
Sealing Ring: NBR
Plug: Ductile iron CF8 CF8M CF3 C3M
Bonnet: WCB CF8 CF8M CF3 CF3M

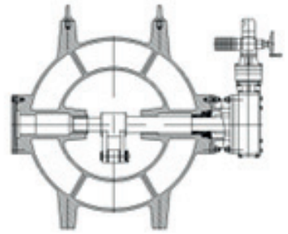
Main dimensions(mm)

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
L	140	152	165	178	190	216	241	283	305	381	403	419	457	502	762
L1	152	178	203	216	225	267	305	330	356	381	457	521	559	635	762
H	110	115	115	1135	140	150	165	180	380	460	520	580	620	680	760
W	175	175	175	220	280	305	350	405	300	300	320	320	350	380	450

LHS942X PISTON TYPE FLOW CONTROL PLUNGER VALVE







Product Overview

This piston type flow control plunger valve features compact structure and stable regulation performance. It realizes accurate control of flow rate and pressure by changing flow area through piston movement. With reliable sealing, low flow resistance, low noise, excellent anticavitation and anticlogging performance, it is suitable for water supply & drainage, water treatment, municipal pipe network and industrial circulating water systems.

Main Material

Model: LHS942X
Type: Piston Type Flow Control Plunger Valve
Pressure Rating: PN10 / PN16 / PN25
Temperature Range: 0°C ~ 80°C
Applicable Medium: Water, sewage, industrial circulating water
Connection Type: Flange connection
Operation Mode: Manual, electric, pneumatic
Body Material: Ductile iron, cast steel

Main performance parameters

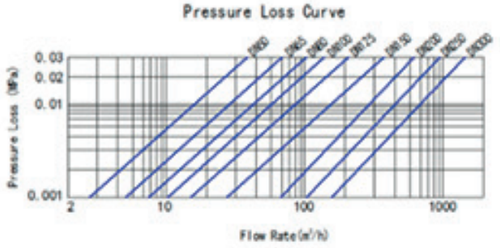
Body Bonnet	Ductile Iron
Rotor Cage	Stainless Steel 1Cr18Ni9
Stem	Stainless Steel 20Cr13
Sealing Ring	EPDM
Crank, connecting rod	Stainless Steel 20Cr13
Guide Rail	Copper alloy
Bearing	Self-lubricating bearing
Fastens	Stainless Steel A2-70
Gear Box	Ductile Iron
Piston, Seat	Stainless Steel 1Cr18Ni9

Main dimensions(mm)

size	L	D		D1		D2		C		f	N-d	
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16		PN10	PN16
150	350	285	285	240	240	211	211	22	22	3	8-23	8-23
200	400	340	340	295	295	266	266	24	24	3	8-23	12-23
250	500	395	405	350	355	319	319	26	26	3	12-23	12-28
300	600	445	460	400	410	370	370	26	28	5	12-23	12-28
350	700	505	520	460	470	429	429	26	30	5	16-23	16-28
400	800	565	580	515	525	480	480	26	32	5	16-28	16-31
450	900	615	640	565	585	530	548	28	34	5	20-28	20-31
500	1000	670	715	620	650	582	609	28	36	5	20-28	20-34
600	1200	780	840	725	770	682	720	34	40	5	20-31	20-37
700	1400	895	910	840	840	794	794	34	40	5	24-31	24-37
800	1600	1015	025	950	950	901	901	36	43	5	24-34	24-40
900	1800	1115	1125	1050	1050	1001	1001	38	46.5	5	28-34	28-40
1000	2000	1230	1255	1160	1170	1112	1112	40	50	3	28-37	28-43
1200	2400	1455	1485	1380	1390	1328	1328	45	57	3	32-40	32-49
1400	2800	1675	1685	1590	1590	1530	1530	46	60	3	36-43	36-49
1600	3200	1915	1930	1820	1820	1750	1750	49	65	5	40-49	40-56
1800	3600	2115	2130	2020	2020	1950	1950	52	70	5	44-49	44-56
2000	4000	2325	2345	2230	2230	2150	2150	55	75	5	48-49	48-62

WATER METERFLANGED END PN10PN16





Purpose

Measuring the volume of cold water passing through the pipeline.

Feature

Removable element for facilitating installation and maintenance.longterm clear reading ,inter-exchangeable parts, magnetic transmission, low driving resistance.Reliable sensitive action, small pressure loss.long working life, etc. Keep original measuring mechanism,multi-way remote output, nicer looking forNg21 type water meter.

Working Condition

Temperature:<40°C
Technical Data: IS04064
Pressure: <1 MPa

Maine part Materials

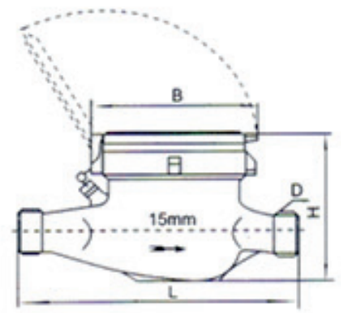
Size (mm)	Class	Overload Flow	Permanent Flow	Transitional Flow	Min Flow	Reading	Reading
		m³/h				m³	
50	A	30	15	4.5	1.2	0.0002	999999
	B			3.0	0.45		
65	A	50	25	7.5	2.0	0.0005	999999
	B			5	0.75		
80	A	80	40	12	3.2	0.002	999999
	B			8.0	1.2		
100	A	120	60	18	4.8	0.002	999999
	B			12	1.8		
125	A	200	100	30	8	0.002	999999
	B			20	3		
150	A	300	150	45	12	0.002	999999
	B			30	4.5		
200	A	500	250	75	20	0.002	999999
	B			50	7.5		
250	A	800	400	120	32	0.002	999999
	B			80	12		
300	A	1200	600	180	48	0.02	999999
	B			120	18		

Main dimensions (mm)

Size	Length	Height	Connecting flange		
	mm		ΦD1 Outside diameter	ΦD2 Bolt circle diameter	Connecting Bolts(n-M)
50	200	261	165	125	4-M16
65	200	271	185	145	4-M16
80	225	279	200	160	8-M16
100	250	289	220	180	8-M16
125	250	299	250	210	8-M16
150	300	319	285	240	8-M20
200	350	346	340	295	8-M20(1.0MPa)
					12-M20(1.6MPa
250	450	450	395(1.0MPa)	350(1.0MPa)	12-M20(1.0MPa)
			405(1.6MPa)	355(1.6MPa)	12-M24(1.6MPa)
300	500	478	445(1.0MPa)	400(1.0MPa)	12-M20(1.0MPa)
			460(1.6MPa)	410(1.6MPa)	12-M24(1.6MPa)

WATER METER SCREWED END BSPT





Purpose

Measuring the volume of cold water passing through the pipeline.

Feature

Dry type, magnetic drive, pointer-roller indicator. easy and long term clear reading, freezing resistance, long working life etc.

Working Condition

Temperature:<40°C
Pressure: <1 MPa

Size	L	B	H	Connecting Thread	Weight KG
15	165	98	104	G3/4B	1.2/1.3
20	190/195	98	106	G1B	1.3/1.4
25	260/225	103	112	G1 1/4 B	1.65/1.67
40	300/245	124	147	G2B	4/4

Main dimensions (mm)

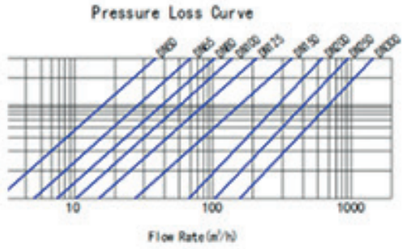
Size (mm)	Q s Max. Flow	QP Nominal Flow	Qt Transmitional Flow	Qmin Min Flow	Min. Reading	Max. Reading
	m³/h		L/h		M³	
15	3	1.5	150	60	0.0001	999999
20	5	2.5	250	100	0.001	999999
25	7	3.5	350	140	0.0001	999999
40	20	10	1000	400	0.001	999999

Maximum
permissible Error
a) In the lower zone from Qmin inclusive up to but excluding Qt is ± 5%.
b)In the upper zone from Qt inclusive up to and including Qs is cold potable water meter + 2%.

D373H D373F WAFER METAL-SEAT BUTTERFLY VALVE







Purpose

This product is used for the water supply and drainage system in tap water, sewage, building, chemicals.Industries, usually used as an open-close equipment.This product is used for the water supply and drainage system in tap water, sewage, building, chemicals. Industries, usually used as an open-close equipment.

Performance parameters

Pressure:1.0MPa,1.6MPa,2.5MPa,150LB, 300LB
Size:DN50~DN1200
Strength test:1.6 Mpa. 2.5Mpa
Suitable temperature: s4259C
Medium: Water, steam, oil ect
Design standard: BS5155, DIN3202,1S05752
Flange Standard: DIN, BS, UNI, ISO, ANSI, JIS
Top Mounting Flange Standard: 1S05211

Main part materials

Body	Cast steel, stainless steel
Valve disc	Cast steel, stainless steel
Valve stem	Stainless steel
Sealing ring	Stainless steel+graphite/ PTFE
Packing	Flexible graphite/ PTFE

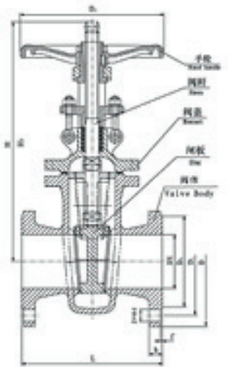
Main dimensions(mm)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
L	43	46	49	56	64	70	71	76	83	92	102	114	127	154	165	190	203	216	254
D1	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950	1050	1170	1390
D2	102	122	138	158	188	212	268	320	378	438	490	550	610	725	795	900	1000	1115	1330
n-Φd	4-ϕ18	4-ϕ18	4-ϕ18	4-ϕ18	4-ϕ18	4-ϕ22	4-ϕ22	4-ϕ26	4-ϕ26	4-M24	4-M27	4-M27	4-M30	4-M33	4-M33	4-M36	4-M36	4-M39	4-M45

FLUID TECH®

GOST WCB GATE VALVE.





Main parts and materials

Parts name	Material
Valve body, Bonnet	WCB
Disc	WCB+Stainless steel
Stem	Carbon steel, Stainless steel
Yoke nut	Brass

Function and specification

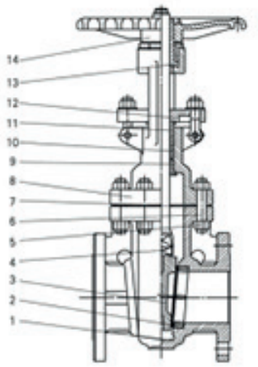
Type	Nominal pressure (MPa)	Testing Pressure		Suitable temperature (C)	Suitable medium
		Strength (Water)(MPa)	Enclose (Water)(MPa)		
Z41H-16C	1.6	2.4	1.8	≤ 425	Warter, Vapour, Oil

Outline and connecting measurement

Type	Nominal (mm)	Measurement(mm)									Reference Weight (kg)
		L	D	D1	D2	b-f	Zx ϕd	H	H1	D0	
Z41H-16C	50	180	160	125	102	16-3	4× ϕ 18	288	341	180	14.61
	80	210	195	160	133	18-3	4× ϕ 18	343	426	215	24
	100	230	215	180	158	20-3	8× ϕ 18	392	486	245	33.9
	150	280	280	240	212	24-3	8× 22	559.5	704	275	67.03
	200	330	330	295	268	26-3	12× 22	696	896	320	107.8

API WCB GATE VALVE.





STANDARD MATERIAL TO API 600

Trim Code	Seat Ring Surface Part No.2	Wedge Surface Part NO.3	Stem Part NO.4	Backseat Part No.9
1	F6	F6	F6	F6
2	F304	F304	F304	F304
5	Stellite	Stellite	F6	F6
8	Stellite	F6	F6	F6
9	Monel	Monel	Monel	Monel
10	F316	F316	F316	F316
13	Alloy	Alloy20	Alloy20	Alloy20

Note: Usually, trim 2 and trim 10 are not adopted because the sealing face would be destroyed easily.

Standards

Design and Manufacture	AP1600、 API6D, JIS B2073-2083
Inspection and Test	API598、 API6D, JIS B2003、 APi600
End Flange dimension	ASME B16.5、 JIS B2212-2214
End Flange dimension	ASME B16.47A、 MSS SP-44
End Flange dimension	ASME B16.47B、 API605
BW end dimension	ASME B16.25
Face to face	ASME B16.10、 jisb2002
Pressure-temperature ratings	ASME B16.34

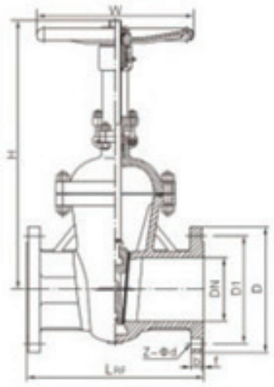
Standard Material specifications

Parts name		Carbon Steelto ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
1	Body	A216	A352 LCB	A217 WC1	A217 WC6	A217 WC9	217 WC5	A351 CF8	A351 CF8M	A351 CF3	A351CF3M
8	Bonnet	A216WCB	A352LCB	A217 WC1	A217 WC6	A217 WC9	217 WC5	A351 CF8	A351 CF8	A351 CF3	A351CF3M
6	Bolts	A193 B7	A320L7	A193 B7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
5	Nuts	A194 2H	A1944	A194 2	A194 4	A194 4	A194 4	A194 8	A194 8	A194 8	A194 8
11	Gland	A182 F6a	A182F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F304	A182 F304	A182 F304L	A182 F316L
12	Gland Flange	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8	A351 CF3	A351 CF3M
2	Disc	A216 WCB	A352 LCB	A217 WC1	A217 WC6	A217 WC9	A217 C5	A217 CF8	A217 CF8	A351 CF3	A351 CF3M
7	Gasket	SS Spiral Wound W/graphite,or SS Spiral Wound W/PTFE, or Reinforced PTFE									
10	Packing	Braided graphite, or Die-formed graphite ring or PTFE									
13	Stem Nut	Copper alloy or A439 D2									
14	Hand wheel	Ductile iron or Carbon steel									

Noted: The chart above only lists out some common composition of steel gate valve parts. We may provide other different parts material composition according to the customer' s request or the actual valve working condition.

GOST STAINLESS STEEL GATE VALVE.





Standard and Specification

Design standard	GOST 5762-2002
Face to face	GOST 3706-93
Flanges connection	GOST 12815-80
Welding connection	GB/T 12224
sting standard	ISO5208 GOST 356-80
Pressure-Temp	GB/T 12224

Performance specification

PN (MPa)	Shell test (MPa)	Seal test (MPa)	Top seal test (MPa)	Air seal test (MPa)
1.6	2.4	1.76	1.76	0.6
2.5	3.8	2.75	2.75	
4.0	6.0	4.4	4.4	
6.3	9.5	6.9	6.9	
10.0	15.0	11.0	11.0	
16.0	24.0	17.6	17.6	
20.0	30.0	22.0	22.0	

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Main part materials and property

Body Bonnet	Slem	Seat	Sealng shim	Pacing	Working emperatre	Saitable miedium
5L	2013 F304 F316	130 STELITE F304 F316	304+Hedble Graphite 316+Feible Grapite 08 Soft Steel	Fesbe Graphite PTFE	-196℃ -565℃	Water Seam Ol Gs Nitieacid Acelc adid
20G						
L1						
CF8						
12018NM						
CF8M						
0018N1ZMozTi						

Main external and connection dimension (PN16)

DN	LRF	LBw	D	Di	b	Z-φd	A	B	H	W
50	180	180	160	125	16	4-φ18	60	52	355	200
65	190	190	180	145	20	4-φ18	75	63	376	200
80	210	210	195	160	20	8-φ18	91	78	435	280
100	230	230	215	180	20	8-φ18	117	102	502	300
125	255	255	245	210	22	8-Φ18	144	128	615	320
150	280	280	280	240	22	8-φ22	172	154	675	360
200	330	330	335	295	24	12-φ22	223	203	820	400
250	450	450	405	355	26	12-φ26	278	255	970	450
300	500	500	460	410	28	12-φ26	329	305	1145	500
350	550	550	520	470	30	16-φ26	362	337	1280	550
400	600	600	580	525	32	16-φ30	413	387	1451	600
450	650	650	640	585	40	20-φ30	464	438	1545	650
500	700	700	710	650	44	20-φ33	516	489	1678	700
600	800	800	840	710	54	20-φ36	619	591	1875	800
700	900	900	910	840	40	24-φ36	721	695	2085	900
800	1000	1000	1020	950	42	24-φ39	825	797	2405	950
900	1100	1100	1125	1050	44	28-φ39	927	899	2950	1000
1000	1242	1242	1255	1170	46	28-φ42		—	3244	1000

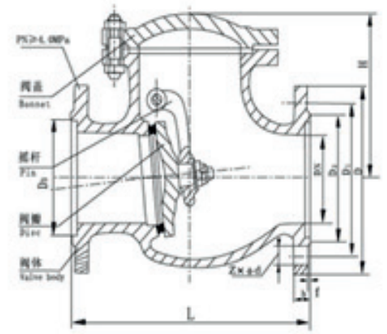
GOST STAINLESS STEEL GATE VALVE.

Main external and connection dimension (PN25)

DN	L	D	D1	b	Z-φd	A	B	H	W
50	250	160	125	20	4-φ18	60	52	355	200
65	265	180	145	22	8-φ18	75	63	376	200
80	280	195	160	24	8-φ18	91	78	435	280
100	300	230	190	24	8-φ22	117	102	502	300
125	325	270	220	26	8-φ26	144	128	615	320
150	350	300	250	30	8-φ26	172	154	675	360
200	400	360	310	34	12-φ26	223	203	820	400
250	450	425	370	36	12-φ30	278	255	970	450
300	500	485	430	36	16-φ30	329	305	1145	500
350	550	550	490	38	16-φ33	362	337	1280	550
400	600	610	550	40	16-φ36	413	387	1451	600
450	650	670	600	46	20-φ36	464	438	1545	650
500	700	730	660	48	20-φ36	516	489	1678	700
600	800	840	770	58	20-φ39	619	591	1875	800
700	900	960	875	50	24-φ42	721	695	2085	900
800	100	1085	990	54	24-φ48	825	797	2405	950
900	1100	1185	1090	58	28-φ48	927	899	2950	1000
1000	1242	1320	1210	62	28-φ55	-	-	3244	1000

H44-16C/25/40/64/100 SWING START CHECK VALVE





Main parts and materials

Parts name	Material
Valve body、Bonnet、Disc	WCB
Seat	Stainless steel/Hard alloy

Function and specification

Type	Nominal pressure (MPa)	Testing pressure TecTOBoe naBneHMe		Suitable temperature(℃)	Suitable medium
		Strength(Water)(MPa)	Enclose(Water)(MPa)		
H44YH-16C	1.6	2.4	1.6	≤425	Water,Vapour,Oil
H44YH-25	2.5	3.8	2.5		
H44YH-40	4.0	6.15	4.0		
H44YH-64	6.4	9.75	6.4		
H44YH-100	10.0	14.4	10		

H44-16C/25/40/64/100 SWING START CHECK VALVE

Outline and connecting measurement

Type	Nominal DN(mm)	Measurement(mm)								Reference Weight(kg)
		L	D	Di	D_2	D_3	b-f	Z×φd	H	
H44YH -16C	40	200	145	110	85		16-3	4×φ18	126	10
	50	230	160	125	100		16-3	4×φ18	132	13
	65	290	180	145	120		18-3	4×φ18	151	19.2
	80	310	195	160	129		20-3	8×φ18	164	25.8
	100	350	215	180	155		20-3	8×φ18	185	33.9
	125	400	245	210	185		22-3	8×φ18	202	47.8
	150	480	280	240	210		24-3	8×φ23	223	71.3
	200	495	340	295	266		24-2	12×φ22	350	137
H44YH-25	40	200	150	110	84		18-2	4×φ18	150	10
	50	230	165	125	99		20-2	4×φ18	160	13
	65	290	185	145	118		22-2	8×φ18	175	20.7
	80	310	200	160	132		24-2	8×φ18	185	26.6
	100	350	235	190	156		24-2	8×φ22	220	40.35
	125	400	270	220	184		26-2	8×φ26	248	64.25
	150	480	300	250	211		28-2	8×φ26	270	97
	200	533	360	310	274		30-2	12×φ26	350	137
H44YH-40	50	230	160	125	100	88	20-3	4×φ18	175	22
	65	290	180	145	120	110	22-3	8×φ18	190	30
	80	310	195	160	135	121	22-3	8×φ18	190	34
	100	350	230	190	160	150	24-3	8×φ23	215	52
	125	400	270	220	188	176	28-3	8×φ25	260	73
	150	480	300	250	218	204	30-3	8×φ25	270	103
	200	550	375	320	282	260	38-3	12×φ30	340	212
	250	650	445	385	345	313	42-3	12×φ34	400	297
	300	750	510	450	408	364	46-4	16×φ34	425	362
	350	850	570	510	465	422	52-4	16×φ34	460	450
	400	950	655	585	535	474	58-4	16×φ41	490	585

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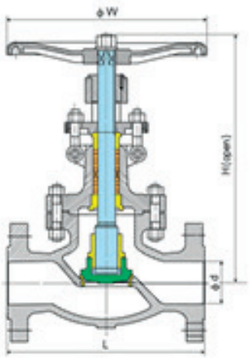
H44-16C/25/40/64/100 SWING START CHECK VALVE

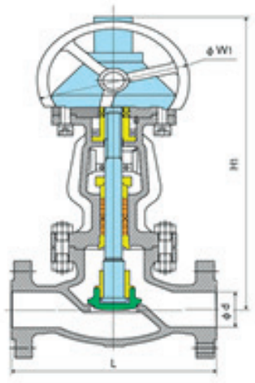
Outline and connecting measurement

Type	Nominal DN(mm)	Measurement(mm)								Reference Weight (kg)
		L	D	Di	D_2	D_3	b-f	Z×φd	H	
H44YH -64	50	300	175	135	105	88	26-3	4×φ23	190	30
	65	340	200	160	130	110	28-3	8×φ23	205	41
	80	380	210	170	140	121	30-3	8×φ23	205	48
	100	430	250	200	168	150	32-3	8×φ25	235	72
	125	500	295	240	202	176	36-3	8×φ30	265	108
	150	550	340	280	240	204	38-3	8×φ34	295	155
	200	650	405	345	300	260	44-3	12×φ34	355	217
	250	775	470	400	352	313	48-3	12×φ41	405	341
	300	900	530	460	412	364	54-4	16×φ41	465	472
	350	1025	595	525	475	422	60-4	16×φ41	505	627
	400	1150	670	585	525	474	66-4	16×φ48	570	882
H44YH -100	50	300	195	145	112	88	28-3	4×φ25	192	41
	65	340	220	170	138	110	32-3	8×φ25	207	48
	80	380	230	180	148	121	34-3	8×φ25	235	72
	100	430	265	210	172	150	38-3	8×φ30	265	108
	125	500	310	250	210	176	42-3	8×φ34	313	130
	150	550	350	290	250	204	46-3	12×φ34	360	217
	200	650	430	360	312	260	54-3	12×φ41	420	341
	250	775	500	430	382	313	60-3	12×φ41	480	472
	300	900	585	500	442	364	70-4	16×φ48	540	598

API GLOBE VALVE CLASS150/300/900







Standards

Design and Manufacture: BS1873 or ASME B16.34
Inspection and Test: API598
End flange dimension:ASME B16.5
BW end dimension: ASME B16.25
Socket-weld dimension: ASME B16.11
Face to face and end to end:ASME B16.10
Pressure temperature ratings: ASME B16.34

Parts and Material List

Parts No.	Parts Name	Materials				
		WCB/Trim1	WCB/Trim5	WCB/Trim8	CF8/304	CF8M/316
1	body	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
2	Seat ring	A105+13Cr	A105+STL	A105+STL	ASTM A351 CF8	ASTM A351 CF8M
3	Disc	ASTMA216 WCB+13Cr	ASTMA216 WCB+STL	ASTMA216 WCB+13Cr	ASTMA351 CF8	ASTMA351 CF8M
4	Stem	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316
5	Disc nut	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
6	Bonnet nut	ASTM A1942H	ASTM A1942H	ASTM A1942H	ASTM A1948	ASTM A1948M
7	Bonnet bolt	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
8	Gasket	304 sheet +Graphite	304 sheet +Graphite	304 sheet +Graphite	304+Graphite	316+Graphite
9	Backseat bushing	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A351 CF8	ASTM A351 CF8M

Parts No.	Parts Name	Materials				
		WCB/Trim1	WCB/Trim5	WCB/Trim8	CF8/304	CF8M/316
10	Bonnet	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
11	Packing	Graphite	Graphite	Graphite	Graphite	Graphite
12	Eyebolt pin	ASTM A36	ASTM A36	ASTM A36	304ss	316ss
13	Gland eyebot	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
14	Gland	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316
15	Gland flange	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
16	Eyebolt nut	ASTM A1942H	ASTM A1942H	ASTM A1942H	ASTM A1948	ASTM A1948M
17	Stem nut	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2	ASTM A439 D2
18	Hand wheel	Ductile Iron	Ductile Iron	Ductile Ilron	Ductile Iron	Ductile Iron
19	Hand wheel nut	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel

Note: The chart above only lists out some common composition of steel globe valve parts, We may provide other different parts material composition according to the customer's request or the actual valve working condition.

The Features of Globe Valve
Bolted Bonnet ; Outside Screw and Yoke; Rising stems; Metallic seating surfaces.

Stem Design
The stem is of integral forged design. The minimum diameter of the stem shall per the standard requirement.

Belleville Spring Loaded Packing Impacting System
If being requested by the customer, the Belleville spring loaded packing impacting system can be adopted for enhancing the durability and reliability of the packing seal.

Back Seating Design
All our globe valves have the back seating design. In most cases, the carbon steel globe valve is fitted with a renewable back seat. For stainless steel globe valve, the back seat is machined directly in the bonnet or is machined after welding. When the globe valve is at fully open position, the sealing of the back seat can be very reliable. However, as per the requirement of API, it is not advisable to add or change packing by the mean of back seating when the valve is pressure containing.

Seat
For carbon steel globe valve, the seat is usually forged steel. The sealing surface of the seat is spray welded with hard alloy specified by the customer. Renewable threaded seat is used for NPS ≤ 10 globe valves, and welded on seat can be also optional if being requested by the customer. Welded on seat is used for NPS>12 carbon steel globe valves. For Stainless steel globe valve, integral seat is usually adopted, or to weld hard alloy directly integrally. Threaded or welded on seat is also optional for stainless steel global valve if being requested by the customer.

Stem Nut
Usually, the stem nut is made of ASTM A439 D2. It is also can be made of copper ally if being requested by the customer. For large sized globe valve, rolling bearing is fitted at the two sides of stem nut in order to minimize the open and close torque of the globe valve.

API GLOBE VALVE CLASS150

Class150 & JIS10K
Main Size of Outside & Weight

Class	Size		Dimensions(mm)								Weight(kg)	
	NPS	DN	L			d	H	H1	W	W1	Handwheel	Gear box
			RF	RTJ	BW							
150	1/2	15	108	119	108	13	182	—	100	—	3	—
	3	20	117	130	117	19	193	—	100	—	4	—
	1	25	127	140	127	25	217	—	100	—	5	—
	11/4	32	140	152	140	32	235	—	135	—	8	—
	11/2	40	165	178	165	38	258	—	135	—	9	—
	2	50	203	216	203	51	330	—	200	—	19	—
	11/2	65	216	229	216	64	360	—	250	—	27	—
	3	80	241	254	241	76	390	—	280	—	36	—
	4	100	292	305	292	102	445	—	300	—	53	—
	5	125	356	369	356	127	480	—	350	—	75	—
	6	150	406	419	406	152	520	556	350	310	94	126
	8	200	495	508	495	203	600	659	400	310	148	180
	10	250	622	635	622	254	773	805	450	460	242	291
	12	300	698	711	698	305	880	955	500	460	438	480

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API GLOBE VALVE CLASS150

Class300 & JIS20K
Main Size of Outside & Weight

Class	Size		Dimensions(mm)								Weight(kg)	
	NPS	DN	L			d	H	H1	W	W1	Handwheel	Gear box
			RF	RTJ	BW							
300	1/2	15	152	164	152	13	185	—	100	—	5	—
	3/4	20	178	191	178	19	195	—	100	—	7	—
	1	25	203	216	203	25	220	—	135	—	10	—
	11/4	32	216	229	216	32	240	—	135	—	14	—
	11/2	40	229	241	229	38	260	—	160	—	19	—
	2	50	267	283	267	51	385	—	200	—	25	—
	21/2	65	292	308	292	64	420	—	200	—	42	—
	3	80	318	333	318	76	440	—	280	—	46	—
	4	100	356	371	356	102	515	—	350	—	74	—
	5	125	400	416	400	127	580	—	350	—	111	—
	6	150	444	460	444	152	660	690	400	310	165	195
	8	200	559	575	559	203	900	950	550	460	275	327
	10	250	622	638	622	254	950	990	600	460	400	452
	12	300	711	727	711	305	1030	1080	700	460	624	725

API GLOBE VALVE CLASS150

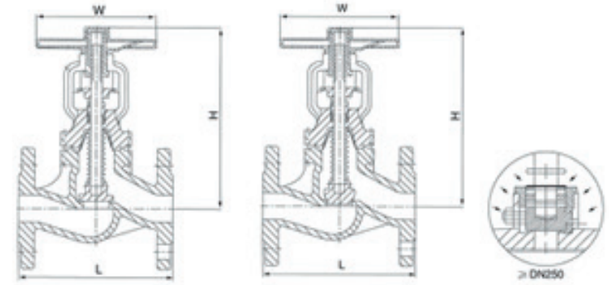
Class600 & Class900
Main Size of Outside & Weight

Class	Size		Dimensions(mm)								Weight(kg)	
	NPS	DN	L			d	H	H1	W	W1	Handwheel	Gear box
			RF	RTJ	BW							
600	2	50	292	295	292	51	360	-	250	—	32	—
	21/2	65	330	333	330	64	410	-	280	—	42	—
	3	80	356	359	356	76	465	-	300	—	63	—
	4	100	432	435	432	102	545	575	400	310	107	138
	5	125	508	511	508	127	625	660	500	310	185	215
	6	150	559	562	559	152	785	820	550	460	290	342
	8	200	660	664	660	200	930	960	650	460	540	645
900	2	50	368	371	368	47	480	—	350	-	55	—
	21/2	65	419	422	419	57	520	-	350	—	68	—
	3	80	381	384	381	73	564	630	400	310	95	128
	4	100	457	460	457	98	685	720	450	310	160	210
	5	125	559	562	559	121	780	840	550	460	270	325
	6	150	610	613	610	146	950	1015	650	460	410	480

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DWJ41H-16/25/40 GLOBE VALVE





his valve is widely applied to pipelines such as petroleum industry, chemical industry, medicine, power etc and the working pressure of the medium is 1,6/4,0 Mpa, working temperature of the medium is -20-350° C.

Main parts and materials

Parts name	Material
Valve body Bonnet	Stainless steel
Stem	2Cr13.F304.F316
Sylphon bellows	F304, F316L

Function and specification

Type Tun.	Nominal pressure (MPa)	Testing pressure		Suitable temperature(°C)	Suitable medium
		Strength (Water)(MPa)	Enclose (Water)(MPa)		
DWJ41H-16	1.6	2.4	1.76	-20°C -350°C	Warter、Vapour、Oil
DWJ41H-25	2.5	3.75	2.75		
DWJ41H-40	4.0	6.0	4.4		

DWJ41H-16/25/40 GLOBE VALVE

Outline and connecting measurement

Type	Nominal DN(mm)	L	H	W	Bec	h	Kv
PN16	15	130	195	120	4	7	4.2
	20	150	195	120	4.5	7	7.4
	25	160	207	140	5	12	12
	32	180	218	140	7	13	19
	40	200	225	160	9	14	30
	50	230	230	180	12	15	47
	65	290	272	180	18.5	19	77
	80	310	290	200	23	23	120
	100	350	355	250	38.5	28	188
	125	400	410	300	56	35	288
	150	480	425	300	75	42	410
	200	600	540	400	113.5	52	725
	250	730	665	520	235	64	1145
	300	850	720	520	395	75	1635

Outline and connecting measurement

Type	Nominal DN(mm)	L	H	W	Bec	h	Kv
PN16	15	130	195	120	4	7	4.2
	20	150	195	120	4.5	7	7.4
	25	160	207	140	5	12	12
	32	180	218	140	7	13	19
	40	200	225	160	9	14	30
	50	230	230	180	12	15	47
	65	290	272	180	18.5	19	77
	80	310	290	200	23	23	120
	100	350	355	250	38.5	28	188
	125	400	410	300	56	35	288
	150	480	425	300	75	42	410
	200	600	540	400	113.5	52	725
	250	730	665	520	235	64	1145
	300	850	720	520	395	75	1635

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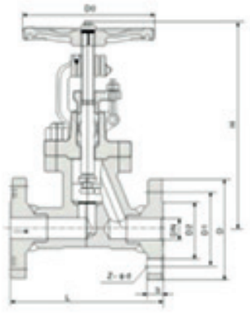
DWJ41H-16/25/40 GLOBE VALVE

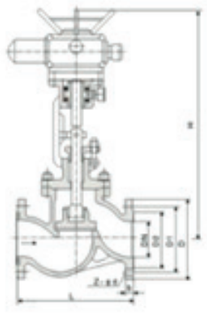
Outline and connecting measurement

Type	Nominal DN(mm)	L	H	W	Bec	h	Kv
PN40	15	130	195	140	4	7	4.2
	20	150	195	140	4.5	7	7.4
	25	160	207	140	6	12	12
	32	180	218	160	8	13	19
	40	200	225	180	11.5	14	30
	50	230	230	180	13.5	15	47
	65	290	272	200	20	19	77
	80	310	290	250	25	23	120
	100	350	355	300	45	28	188
	125	400	410	350	60	35	288
	150	480	425	350	83	42	410
	200	600	540	450	158	52	725
	250	730	665	520	305	64	1145
	300	850	720	520	440	75	1635

GB GLOBE VALVE-J41H/Y/W-16~100 C, P, R







Main features: 1. Streamlined design, rising stem with support; 2. Bolted connection of center flange; 3. Loose-fitting connection; 4. Lifting valve stem and handwheel; 5. Integrated support and valve cover; 6. Optional bevel gear operation; 7. Standard flange connection.

Specification

Specification	Design Specification	Face to face	Flanges connection	Testing standard	Pressure-Temp	Product Identification	供货规范 Supply Specifications
	GB/T 12235	GB/T 12221	JB/T 79	JB/T 9092	GB/T 9131	GB/T12220	JBT 7928

Main parts and materials

Parts name	Material			
Valve body Bonnet	WCB	ZGCr5Mo	ZG1Cr18N9Ti	ZG1Cr18Ni12Mo2Ti
Disc	WCB	25Cr2MoV	1Cr18N9Ti	1Cr18N12Mo2Ti
Stem	2Cr13	25Cr2MoV	1Cr18N9Ti	1Cr18Ni12Mo2Ti
Packing	Flexible graphite		PTFE	
Gasket		18-8Flexible graphite		
Bolt	35/35CMo	25Cr2MoV	1Cr18N9Ti	1Cr18N9
Suitable temperature (C)	-29-425℃	-29-425℃	-40-200℃	-40-200℃
Suitable mediu	Water, oil, steam	Steam, oil	Nitrates acid	Acetic acid

Outline and connecting measurement

Type	Nominal DN	PN1.6MPa								WT(kg)	
		L	D	D1	D2	b	Z-φd	H	Do	J41	J941
J41H-16C J41Y-16C J418-16C J41W-16P J41Y-16P J41Y-16R J41Y-16 J941H-16C J941Y-16C J941B-16C J941W-16P J941Y-16P J941Y-16R J941Y-16	15	130	95	65	45	14	4-φ14	218	120	4.8	52
	20	150	105	75	55	14	4-φ14	258	140	65	7.1
	25	160	115	85	65	14	4-φ14	275	160	7.0	7.4
	32	180	135	100	78	15	4-φ18	280	160	82	8.5
	40	200	145	110	85	16	4-φ18	330	200	11.0	12.5
	50	230	160	125	100	16	4-φ18	350	200	14.5	20
	65	290	180	145	120	18	4-618	380	240	21.5	25
	80	310	195	160	135	20	8-φ18	400	240	27	35
	100	350	215	180	155	20	8-φ18	415	280	30	50
	125	400	245	210	185	22	8-φ18	460	320	84	75
	150	480	280	240	210	24	8-φ23	510	360	91	100
	200	600	335	295	265	26	12-φ23	710	360	148	210
	250	650	405	355	320	30	12-φ23	786	450	405	446
	300	750	460	410	375	30	12-φ23	925	500	610	648

Outline and connecting measurement

Type	Nominal DN	PN2.5MPa								WT(kg)
		L	D	D1	D2	b	2-φd	H	Do	
J41H-25 J41Y-25 J41B-25 41W-26P 41Y-25P J41Y-25R J41Y-251 J941H-25 J941Y-25 9418-25 J941W-25P J941Y-25P J941Y-25R J941Y-251	15	130	95	65	45	16	4-φ14	218	120	5
	20	150	105	75	55	16	4-φ14	258	140	6.9
	25	160	115	85	65	16	4-φ14	275	160	7.4
	32	180	135	100	78	18	4-φ18	280	180	8.5
	40	200	145	110	85	18	4-φ18	330	200	12.5
	50	230	160	125	100	20	4-φ18	350	240	16
	65	290	180	145	120	22	8-φ18	400	280	25
	80	310	195	160	135	22	8-φ18	355	280	30
	100	350	230	190	160	24	8-φ23	415	320	34.5
	125	400	270	220	188	28	8-φ25	460	400	89
	150	480	300	250	218	30	8-φ23	510	400	98
	200	600	360	310	278	34	12-φ25	710	400	170
	250	650	425	370	332	36	12-φ30	786	450	446
	300	750	485	430	390	40	12-φ30	926	500	654

THREADED CAST LRON GLOBE VALVE



Outling and connect measurement

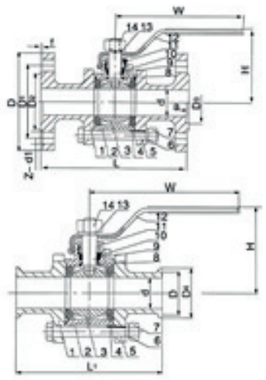
Type	Nominal DN(mm)	Measirement(mm)							
		L	D	Di	D 3	b-f	Z-φd	H	Do
	15	130	95	65	45	2 月 14 日	4-φ14	113(200	80
	20	150	105	75	55	16-2	4-φ14	(113(200	80
	25	160	115	85	65	16-2	4-φ14	(125)220	80
	32	180	135	100	78	18-2	4-φ18	(145)245	100
	40	200	145	110	85	18-3	4-φ18	(180)260	130
	50	230	160	125	100	20-3	4-φ18	(200)285	130
J4IT/W/ H/F-16	65	290	180	145	120	20-3	4-φ18	(205)300	150
	80	310	195	160	135	22-3	8-φ18	330	240
	100 350 215 180	350	215	180	155	24-3	8-φ18	350 240	240
	125	400	245	210	185	26-3	8-φ18	405	300
	150	480	280	240	210	28-3	8-φ23	450	300
	200	600	335	295	265	30-3	12-φ23	520	380
	250	650	405	355	320	32-3	12-φ25	710	420

Outling and connect measurement

Type	G	Measurcncn(mm)		
		L	H	Do
	1/2	65	95	57
	3/4	75	94	57
	1	90	124	73
J1IT/W/H/F/X -16 (日式) (Japantype)	11/4	105	123.5	96
	11/2	120	138	96
	2	140	148	96
	1/29099 57	90	99	57
	3/4	100	98	57
	1	120	129	75
J1IT/W/H/F/X -16 (苏式) (Soviet Ulon type)	11/4	140	132.5	96
	11/2	170	148	96
	2	200	153	96

WCB FLANGE BALL VALVE





WCB Flange Ball Valve

Usage: this valve is applies to the nitric acid type etc pipeline which is corrosive medium and the pipeline must be the working temperature <150° C. It is used by open\ close, it's the most advantage is quickly opening and shutting.

Main parts and materials

Parts name	Material
Valve body Bonnet	Stainless steel
Ball, Stem	2Cr13
Seal ring	F4, Stainless steel

Function and specification

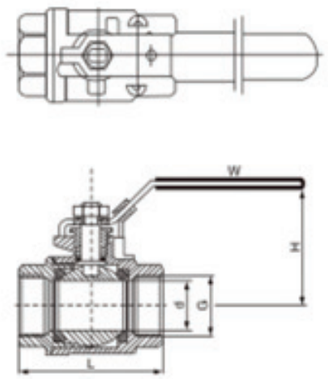
Type	Nominal pressure (MPa)	Testing pressure		Suitable temperature (C)	Suitable medium
		Strength (Water) (MPa)	Enclose (Water) (MPa)		
Q41F	1.6	2.5	4.0	<150	Nitric acid

Main parts and materials

DN	Flange End(JB/T971) Clamp End												Clamp End		
	d	L	H	D	D1	D2	f	a	D3	Z	d1	W	D	D4	L1
15	15	130	77	95	65	45	2	4	40	4	14	130	43.5	50.5	108
20	20	150	77	105	75	55	2	4	51	4	14	130	43.5	50.5	130
25	25	160	88	115	85	65	2	4	58	4	14	130	43.5	50.5	138
32	32	180	113	135	100	78	2	4	66	4	18	180	43.5	50.5	152
40	40	200	132	145	110	85	3	4	76	4	18	230	56.5	64	166
50	50	230	142	160	125	100	3	4	88	4	18	400	56.5	64	198
65	65	290	172	180	145	120	3	4	110	4/8	18	400	83.5	91	230
80	80	310	182	190	160	135	3	4	121	4/8	18	640	96	106	249
100	100	350	250	215/230	180/190	122/160	3	4.5	150	4/8	18/23	1100			

2-PCS THREADED BALL VALVE





Working Pressure: 1000PSI
Temperature Range: -40-180° C-280°°C
Suitable medium: Water, oil, air and some Corrosive liquid
Thread type: G. NPT. BSPT. BSP. DIN259/2999

Table of parts and materials

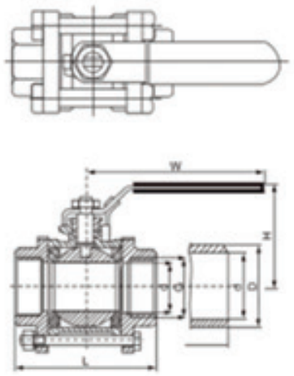
Part	Material
Body	CF8M/CF8
Ball	CF8M/CF8
Stem	SUS316/304
Ball gasket	PTFE
Handle	SUS304
Screw Cap	SUS304

Main outer size

DN	G	D	L	H	W
6	1/4"	10	51	50	90
10	3/8"	12	51	50	90
15	1/2"	15	55	58	100
20	3/4"	20	66	62	120
25	1"	25	80	72	140
32	1 1/4"	32	94	80	140
40	1 1/2"	38	103	90	180
50	2"	50	115	98	200
65	2 1/2"	64	160	125	220
80	3"	78	177	135	240
100	4"	100	218	156	300

3-PCS THREADED BALL VALVE





Working Pressure: 1000PSI
Temperature Range:-40-180° C-280° C
Suitable medium: Water, oil, air and some Corrosive liquid
Thread type: G. NPT. BSPT. BSP. DIN259/2999

Table of parts and materials

Part	Material
Body	CF8M/CF8
Bonnet	CF8M/CF8
Ball	CF8M/CF8
Stem	SUS316/304
Ball gasket	PTFE
Handle	SUS304
Screw Cap	SUS304
Bolt	SUS304

Specification

Nominal Pressure	PN	1.6,2.5,4.0,6.4	MPa
Strengh testing pressure	PT	2.4,3.8,6.0,9.6	
Set testing pressure		0.6	
Seat testing pressure		2.0,3.0,4.8,7.6	
Applicable medium	Q11F-(16-64)C	Q11F-(16-64)P	Q11F-(16-64)R
	Water, Oil, Steam	Nitric acid	Acetic acid
Applicable Temperature	-40-180° C		

Main outer size

Spectification	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Size	6	10	15	20	25	32	40	50
L	65	44	55	60	72	77	88	100
D	11.6	7	9.2	12.5	16	20	24.5	32
H	44	36	41	44	48	54	65	72
W	100	73	86	86	103	103	140	140