AI CREATE VALUE

Specialist of Steam Solution

One Stop Service of Industrial Valve

ZHEJIANG AIV FLUID TECHNOLOGY CO., LTD.
ADD: NO.8 Section Wuxing Industrial Zone, Dongyuan Town,
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Tel: 86 578 6887666
Fax: 86 578 6672199
Email: aiv@aivvalve.com service@aivvalve.com
Website: www.aivvalve.com

AIV

AI CREATE VALUE

ZHEJIANG AIV FLUID TECHNOLOGY CO.,LTD .





COMPANY INTRODUCTION

Zhejiang AIV Fluid Technology Co., Ltd. is located in Section 8, Wuxing Industrial Zone, Dongyuan Town, Qingtian County, Lishui City, Zhejiang Province. It covers an area of 20,000 square meters and a construction area of 15,000 square meters. AIV with own casting foundry, valve factory, specialized in research, development, production and sales for Steam Solution and Industrial Valve. The company was established in 2018 with a registered capital of 11 million RMB. The company has more than 200 employees, including more than 20 with senior professional titles, and 80% of them are professional and technical personnel.

Specialist of Steam Solution. One Stop Service for Industrial Valve. AIV and sister company strives to be your first choice. AIV's leading products include bellows globe valves, bellows gate valves, globe valves, check valves, Y-type filters, steam trap, control valve etc. Based on our casting foundry and sister company, AIV can offer industrial valve, ball valve, gate valve, globe valve, check valve, butterfly valve etc. The company's products have been widely used in steam systems, heat transfer oil systems, hot and cold water systems, petroleum industry, natural gas industry, chemical industry, chemical fertilizer industry, pharmaceutical industry, electric power industry etc.

Professional company for valve sale, valve OEM service, and distribution cooperation. Welcome to contact us for more details.

PROCESS FLOW CHART





We Raise The Competition Capacity By Technologic Creation

We will make sure that all valves can exert their performances in effective life by our perfect design, manufacture and service.
We make up our minds to have advanced manufacture equipment, perfect inspect equipment and make promise to users by creditable service.

COMPANY CERTIFICATION

AI CREATE VALUE



统一社会信用代码
91331121MA2A1DGD96（1/1）

营业执照

（副本）

名　　称　浙江爱路威流体科技有限公司
类　　型　有限责任公司（自然人投资或控股）
法定代表人　冯风雷
经营范围　铸件、锻件、阀门、泵、机械设备、执行器、智能机器人的设计研发、制造、销售；管道配件、塑料制品、五金制品、电子元件制造、销售，国家准许的货物与技术自由进出口贸易。（依法须经批准的项目，经相关部门批准后方可开展经营活动）

注册资本　壹仟壹佰万元整
成立日期　2018 年 02 月 07 日
住　　所　浙江省丽水市青田县东源镇五星工业园区 8 号地块

登记机关　青田县市场监督管理局
2023 年 05 月 09 日

国家企业信用信息公示系统网址：http://www.gsxt.gov.cn　市场主体应当于每年 1 月 1 日至 6 月 30 日通过国家信用公示系统报送公示年度报告。　国家市场监督管理总局监制



中华人民共和国
特种设备生产许可证
Production License of Special Equipment
People's Republic of China

编号：TS2733159-2029

单位名称：浙江爱路威流体科技有限公司
住　　所：浙江省丽水市青田县东源镇五星工业区8号地块
制造地址：浙江省丽水市青田县东源镇五星工业区8号地块
经审查，获准从事以下特种设备生产活动：

许可项目	许可子项目	许可参数	备注
压力管道元件制造	压力管道阀门（金属阀门）（B）	-	具体产品范围见型式试验证书

发证机关：浙江省市场监督管理局　（发证机关盖章）
有效期至：2029 年 1 月 6 日　发证日期：2024 年 1 月 7 日



ISO9001

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 20223Q21123R1S

We hereby certify that the organization:

ZHEJIANG AIV FLUID TECHNOLOGY CO., LTD.

Unified social credit code: 91331121MA2A1DGD96

is in conformity with Quality Management System Standard:

GB/T 19001-2016/ISO 9001:2015

The certificate is valid to the following products/service:

Design, Production and Sales in qualification range of Metal Valves

Registration Address/Audit Address: No.8 Section Wuxing Industrial Zone, Dongyuan Town, Qingtian County, Lishui City, Zhejiang Province, China

Date of Issue: 20-09-2023
Date of Expiry: 19-09-2026
Date of Initial: 20-09-2020

Issued By:

IAF　CNAS　MANAGEMENT SYSTEM CNAS C197-M

ZHEJIANG QIANPIN CERTIFICATION CO.,LTD.



TÜV Industrie Service

CERTIFICATE

The Certification Body of TÜV SÜD Industrie Service GmbH, a Notified Body of the Pressure Equipment Directive (PED), certifies that

Zhejiang AIV Fluid Technology Co., Ltd.
No. 8 Section Wuxing Industrial Zone, Dongyuan Town, Qingtian County, 323900, Lishui City, Zhejiang Province, P. R. China

implemented, operates and maintains a quality assurance system as described in the Pressure Equipment Directive 2014/68/EU Annex III, Module H

for the scope of

Design, manufacture and distribution:
gate valves (max. PN100, max. DN1000);
ball valves (max. PN100, max. DN500);
globe valves (max. PN100, max. DN500);
check valves (max. PN100, max. DN600)

The audit with the report number Q-CHN-PED-5010811673-001-23 proves that the quality assurance system fulfils the PED requirements.

The manufacturer is authorized to provide the pressure equipment produced within the scope of the assessed quality assurance system with the following Notified Body Number:

CE 0036

Certificate No.: DGR-0036-QS-1346-23

valid until October 27th, 2026

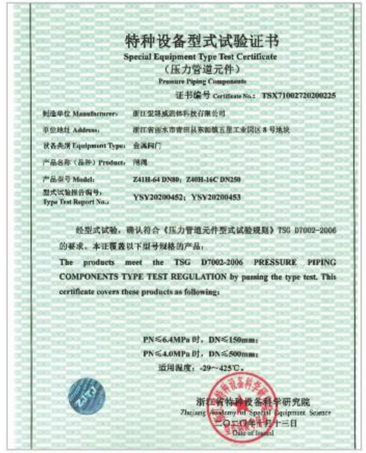
Fildorstadt, November 14th, 2023

TÜV SÜD Industrie Service GmbH
Westendstraße 199
80686 München
Germany

Notified Body No.: 0036

Tel: +49 711 70 05 269
Fax: +49 711 70 05 562

TÜV SÜD Industrie Service GmbH · DGR-QS-Zertifikatsvorgaube · Germany



特种设备型式试验证书
Special Equipment Type Test Certificate
（压力管道元件）
Pressure Piping Components
证书编号 Certificate No.: TSX71002720200225

制造单位 Manufacturer:	浙江爱路威流体科技有限公司
单位地址 Address:	浙江省丽水市青田县东源镇五星工业园区 8 号地块
设备类别 Equipment Type:	金属阀门
产品名称（品种）Product:	球阀
产品型号 Model:	Z41H-64 DN80；Z40H-16C DN250
型式试验报告编号 Type Test Report No.:	YSV20200452；YSV20200453

经型式试验，确认符合《压力管道元件型式试验规则》TSG D7002-2006的要求。本证覆盖以下型号规格的产品：
The products meet the TSG D7002-2006 PRESSURE PIPING COMPONENTS TYPE TEST REGULATION by passing the type test. This certificate covers these products as following:

PN≤6.4MPa 时，DN≤150mm；
PN≤4.0MPa 时，DN≤500mm；
适用温度：-29～425℃。

浙江省特种设备科学研究院
Zhejiang Academy of Special Equipment Science
二〇二〇年十月十三日
Date of Issued



特种设备型式试验证书
Special Equipment Type Test Certificate
（压力管道元件）
Pressure Piping Components
证书编号 Certificate No.: TSX71002720200226

制造单位 Manufacturer:	浙江爱路威流体科技有限公司
单位地址 Address:	浙江省丽水市青田县东源镇五星工业园区 8 号地块
设备类别 Equipment Type:	金属阀门
产品名称（品种）Product:	截止阀
产品型号 Model:	J41H-16C DN200；J41H-50 DN200
型式试验报告编号 Type Test Report No.:	YSV20200454；YSV20200455

经型式试验，确认符合《压力管道元件型式试验规则》TSG D7002-2006的要求。本证覆盖以下型号规格的产品：
The products meet the TSG D7002-2006 PRESSURE PIPING COMPONENTS TYPE TEST REGULATION by passing the type test. This certificate covers these products as following:

PN≤6.4MPa，DN≤400mm，适用温度：-29～425℃。

浙江省特种设备科学研究院
Zhejiang Academy of Special Equipment Science
二〇二〇年十月十三日
Date of Issued



特种设备型式试验证书
Special Equipment Type Test Certificate
（压力管道元件）
Pressure Piping Components
证书编号 Certificate No.: TSX71002720200228

制造单位 Manufacturer:	浙江爱路威流体科技有限公司
单位地址 Address:	浙江省丽水市青田县东源镇五星工业园区 8 号地块
设备类别 Equipment Type:	金属阀门
产品名称（品种）Product:	球阀
产品型号 Model:	Q47N-64 DN80；Q347F-40 DN200
型式试验报告编号 Type Test Report No.:	YSV20200458；YSV20200459

经型式试验，确认符合《压力管道元件型式试验规则》TSG D7002-2006的要求。本证覆盖以下型号规格的产品：
The products meet the TSG D7002-2006 PRESSURE PIPING COMPONENTS TYPE TEST REGULATION by passing the type test. This certificate covers these products as following:

PN≤6.4MPa 时，DN≤150mm；
PN≤4.0MPa 时，DN≤400mm；
适用温度：-29～150℃。

浙江省特种设备科学研究院
Zhejiang Academy of Special Equipment Science
二〇二〇年十月十三日
Date of Issued



特种设备型式试验证书
Special Equipment Type Test Certificate
（压力管道元件）
Pressure Piping Components
证书编号 Certificate No.: TSX71002720200227

制造单位 Manufacturer:	浙江爱路威流体科技有限公司
单位地址 Address:	浙江省丽水市青田县东源镇五星工业园区 8 号地块
设备类别 Equipment Type:	金属阀门
产品名称（品种）Product:	止回阀
产品型号 Model:	H44H-50 DN100；H44H-50 DN200
型式试验报告编号 Type Test Report No.:	YSV20200456；YSV20200457

经型式试验，确认符合《压力管道元件型式试验规则》TSG D7002-2006的要求。本证覆盖以下型号规格的产品：
The products meet the TSG D7002-2006 PRESSURE PIPING COMPONENTS TYPE TEST REGULATION by passing the type test. This certificate covers these products as following:

PN≤6.4MPa，DN≤400mm，适用温度：-29～425℃。

浙江省特种设备科学研究院
Zhejiang Academy of Special Equipment Science
二〇二〇年十月十三日
Date of Issued

WORKSHOP REVIEW



20000

Square Meters Industrial Park Include Casting Foundry and Valve Factory.



30

Years Experience of R&D, Manufacturing and Marketing.



24

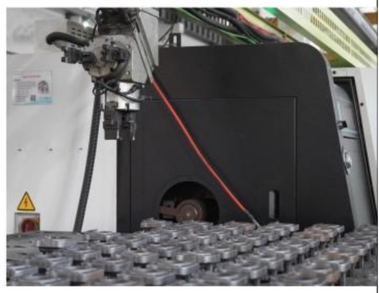
Hours Service Create Value.













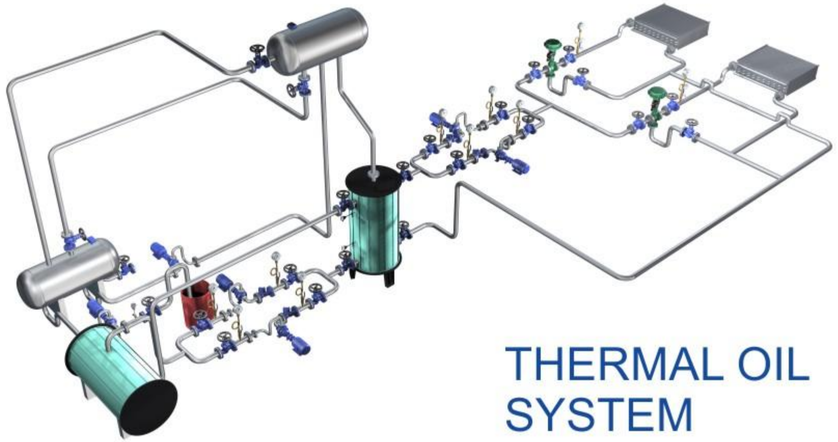


Automatic robot arm production line for 24 hours operation.

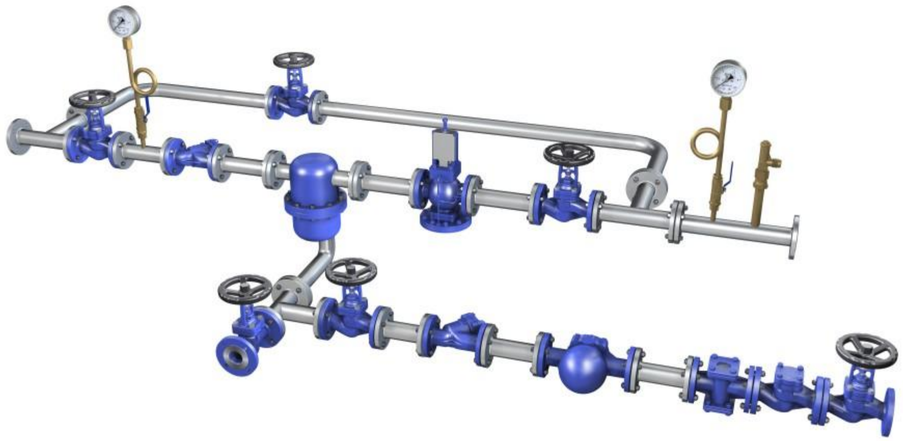
Quality control and process control follow ISO CE certification.

Continuous improvement of each product.

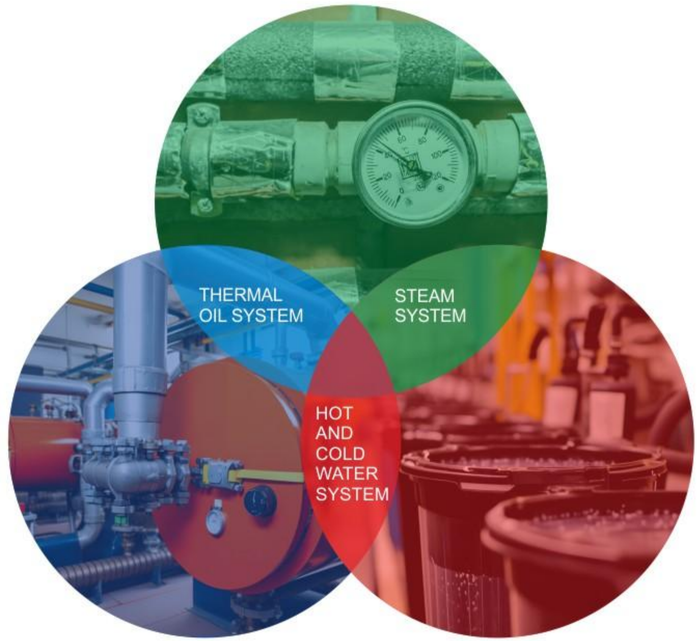
AIV
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THERMAL OIL SYSTEM



STEAM SYSTEM





NATURAL GAS INDUSTRY



PETROLEUM INDUSTRY



FERTILIZER INDUSTRY



PHARMACY INDUSTRY



CHEMICAL INDUSTRY



POWER INDUSTRY

AI CREATE VALUE

TECHNICAL SERVICES

According the description of working condition, we work carefully in valve selection. We know almost all dangerous media transportation application with extreme temperature and pressure, and provide the best selection of valves and services for each application. Selection service include regular standard products and customized products. It consists of working condition consultation, valves selection, operation structure selection and other services according to special requirements. AIV is one of the best choices for your partnership.

AIV bellow valve is designed with conical disc and double sealing structure include bellows and packing. Research and development of new materials to provide outstanding performance of wear resistance and corrosion resistance. Advanced hydraulic simulation software helps us optimize valves for the flow process. Customers can benefit from safety working cycles, improved energy efficiency and reduced operation costs.



AIV is widely applied in industrial processes, special media transmission and energy conversion worldwide.
AIV takes the lead in customizing and introducing advanced equipment. Such as valve automatic processing center, Spanish automatic testing equipment, Oxford spectrometer, micro–computer controlled CO2 gas shielded surfacing machine, low temperature impact testing machine, tension testing machine, torque and life testing equipment. Advanced equipment ensure quality and safety.

We will always offer our customers with the most economical solution. Our products are widely applied in the field of energy efficiency, it is the result of precise design and selection. Efficient automatic control system helps customers to develop the potential of energy saving, in order to maintain the safe and economic operation of factories.



Sealing Technology

Conical seal design
It can magnify the axial force from valve stem into sealing force. Under the same pressure, greater sealing pressure can be obtained. Closing is easier and sealing performance is better.

Double seal design
Bellows and packing double sealing design for double safety. Which makes the sealing at the valve stem safer and more reliable, and conforms to international sealing standards.

Protective Space Design of Bellows

Protective space design can be added. Bellows are placed in a protective space and are not directly affected by pressure and temperature of media.



Low Noise,Low Flutter

Reduce noise and tremble
Equipped with center positional system it can effectively reduce the vibration of valve in operation.

<60 dB

↑150%

Casting Technology of German Coated Sand

Body Smoothness
12.5-25 μm

>98%
No Stomata, Sand Holes and Cracks

100%
Effective Wall Thickness Standard

Bellow Part

Bellows components
Extended and multiple layer, anti–torsion and long life bellows can completely refresh the opening and closing life of domestic bellows, up to 10000 times.

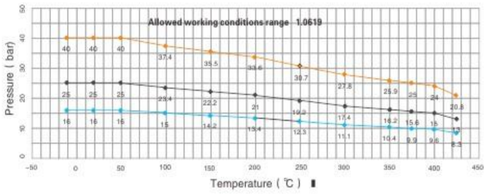
Opening and Closing Life
10,000
(MAX)

0 Leakage

100% bellows components and valves qualified according to the fugitive emission test standard ISO15848–A standard when they leave the factory. Ensure zero leakage.

ISO 15848 A

Technical Analysis



PRODUCT CATALOGUE

AI CREATE VALUE

001-002	003-004	005-006	007-008	009-010
				
WJ41H DIN BELLOW GLOBE VALVE	EWJ41H EXTEND BELLOW GLOBE VALVE	WJ41H ANSI BELLOW GLOBE VALVE	WJ45H Y TYPE BELLOW GLOBE VALVE	WJ44H ANGLE BELLOW GLOBE VALVE

011-012	013-014	015-016	017-018	019-020
				
WJ41H FORGED BELLOW GLOBE VALVE	WJ41H FORGED HIGH PRESSURE BELLOW GLOBE VALVE	WJ45H FORGED Y BELLOW GLOBE VALVE	WZ41H DIN BELLOW GATE VALVE	WZ41H ANSI BELLOW GATE VALVE

021-022	023-024	025-026	027-028	029-030
				
WZ41H FORGED BELLOW GATE VALVE	WJ41H CHLORINE GLOBE VALVE	WJ41H CHLORINE GLOBE VALVE	WJ41H CHLORINE GLOBE VALVE	WJ641H CHLORINE PNEUMATIC CUT OFF VALVE

031-032		033-034	035-036	037-038
				
GWJ41H STRAINER TYPE BELLOW GLOBE VALVE	HIGH TEMPERATURE MOLTEN SALT VALVE	QD260 QD261 PNEUMATIC TWO WAY CONTROL VALVE	QD360 QD361 QD370 QD371 PNEUMATIC THREE WAY CONTROL VALVE	DD260 DD261 ELECTRIC TWO WAY CONTROL VALVE

039-040	041-042	043-044	045-046	~~047-048~~
				
DD360 DD361 DD370 DD371 ELECTRIC THREE WAY CONTROL VALVE	ZJHP PNEUMATIC SINGLE SEAT CONTROL VALVE	ZDLP ELECTRIC SINGLE SEAT CONTROL VALVE	V230 SELF PRESSURE REDUCE VALVE	ZZYP SELF REGULATE VALVE

049-050	051-052	053-054	055-056	057-058
				
ZZWP SELF TEMPERATURE CONTROL VALVE	J41H DIN GLOBE VALVE	YG45H DIN Y STRAINER	H41H DIN CHECK VALVE	Z41H GB GATE VALVE

059-060	061-062	063-064		
				
H71 WAFER SINGLE DISC LIFT CHECK VALVE	A48Y DIN SAFETY VALVE	DP17 PILOT PRESSURE REDUCE VALVE	25P PILOT PRESSURE REDUCE VALVE	DP27 PILOT PRESSURE REDUCE VALVE

065-066	067-068	069-070	071-072	073-075
				
BRV DIRECT PRESSURE REDUCE VALVE	AS QF CF STEAM WATER SEPARATOR	PY PNEUMATIC ANGLE VALVE	SG41 SIGHT GLASS	TD25/TD46/TD65 THERMODYNAMIC STEAM TRAP

Product Catalogue

AI CREATE VALUE



TD01 THERMODYNAMIC STEAM TRAP



TD80 THERMODYNAMIC STEAM TRAP



TD150 THERMODYNAMIC STEAM TRAP

076-077



BT691 BUCKET STEAM TRAP

078-082



BT692/BT693/BT694/BT695/BT695L/ BT696 BUCKET STEAM TRAP

083-085



BT892/BT894/BT895 BUCKET STEAM TRAP



BT416/BT9120 BUCKET STEAM TRAP

086-087



FT14 LEVER FLOAT STEAM TRAP

088-091



FT42/ FT44/FT45/FT46/FT47 LEVER FLOAT STEAM TRAP

092-093



FT46H LEVER FLOAT STEAM TRAP



FT48 LEVER FLOAT STEAM TARP



CS41 FREE FLOAT STEAM TRAP

094-095



MST16 THERMOSTATIC CAPSULE STEAM TRAP

096-097



TB16/TB32 THERMOSTATIC BIMETAL STEAM TRAP

098-105



TP30 CONDENSATE MECHANICAL PUMP



TP10 CONDENSATE MECHANICAL PUMP



VB21 VACCUM BREAKER



IN STEAM MIXER



DF3 SILENCER



STEAM TRAP STATION



STEAM TRAP STATION



CONDENSATE ELECTIRCAL PUMP DEVICE



FLASH EVAPORATION DEVICE



HEAT RECOVERY DEVICE



PRESSURE TEMPERATURE GAUGE



TRANSMITTERS



VORTEX FLOW METER



PID CONTROLLER

106-107



Q41F ANSI FLOAT BALL VALVE

108-109



Q47F ANSI TRUNNION BALL VALVE

110-112



WJ41H DIN BELLOW GLOBE VALVE

113-114



J41H ANSI GLOBE VALVE

115-116



H44H ANSI SWING CHECK VALVE

117-118



GL41H ANSI Y STRAINER

119-120



BS14 BASKET STRAINER

121-123



D373H D341H ANSI BUTTERFLY VALVE

124-125



D71X CENTERLINE BUTTERFLY VALVE

126-129



CP WAFER THROUGH KNIFE GATE VALVE

130-133



UP WAFER BIDIRECTIONAL KNIFE GATE VALVE

Product Catalogue

AI CREATE VALUE

134-135 VQD WAFER V BALL VALVE

136-139 VQF FLANGE V BALL VALVE

140-143 X43F SLEEVE TYPE SOFT SEAL PLUG VALVE

144 Z61H FORGED GATE VALVE

144 Z41H FORGED GATE VALVE

145 J61H FORGED GLOBE VALVE

145 J41H FORGED GLOBE VALVE

145 H64H FORGED SWING CHECK VALVE

146 H44H FORGED SWING CHECK VALVE

146 H61H FORGED LIFT CHECK VALVE

146 H41H FORGED LIFT CHECK VALVE

147 Q11F THREAD BALL VALVE

147 Q11F ONE PIECE THREAD BALL VALVE

147 Q11F THREE PIECE THREAD BALL VALVE

148 Q11F TWO PIECE THREAD BALL VALVE

149 Z15W THREAD GATE VALVE

149 J15W THREAD GATE VALVE

149 H12W THREAD LIFT CHECK VALVE

150 H14W THREAD LIFT CHECK VALVE

150 GL11W THREAD Y STRAINER

STEAM DISTRIBUTION HEADER DEVICE

STEAM PIPELINE DRAIN DEVICE

STEAM PRESSURE REDUCE DEVICE

STEAM TEMPERATURE PRESSURE CONTROL DEVICE

EQUIPMENT STEAM TRAP DEVICE

STEAM WATER SEPARATOR DEVICE

CONDENSATE MECHNICAL PUMP DEVICE

CONDENSATE RECOVERY MANIFOLD

CONDENSATE RECOVERY MANIFOLD

WJ41H DIN BELLOW GLOBE VALVE



1. The new structure valve body adopts German coated sand casting technology. It greatly improving the surface smoothness and mechanical performance, reducing pores, sand holes and cracks.
2. When in close position, the conical sealing surface with a scraping effect can automatically remove surface impurities, ensure reliable sealing and longer service life of the valve disc. Conical disc can achieve larger sealing strength in same close pressure, it's easier to close and providing better sealing performance.
3. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.
4. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.
5. Products above DN150 with triangle position device, valve can installed in various angles and effectively reduce valve shaking. It provides protection and noise reduction. Especially when installed at the outlet of the thermal oil pump or on high speed steam pipelines, reduce internal damage caused by shaking can effectively increase the service life by more than twice.
6. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

TECHNICAL SPECIFICATION

Design standard: EN12516, GB/T12224

Face to face: EN558, GB/T12221

Connection standard: EN1092, GB/T9124.1, HG/T20592

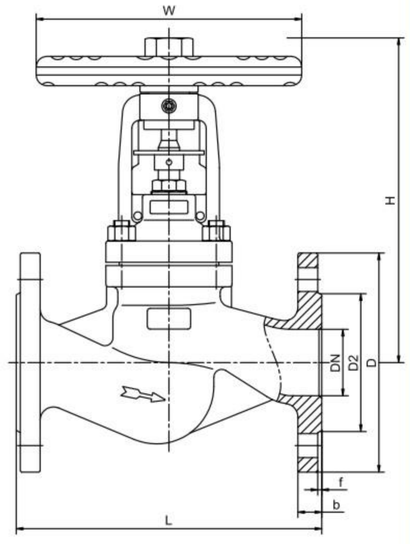
Test and inspection: EN12266, GB/T26480

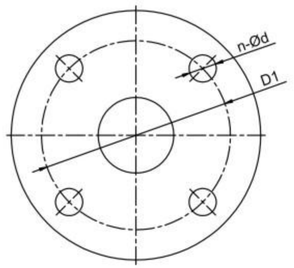
APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	GS-C25, 1.0619, CF8, CF8M, CF3M
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, A105+13Cr, F304+STL,F316+STL
Pin	SS304, SS316
Bellow	SS304, SS316L
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	GS-C25, 1.0619, CF8, CF8M, CF3M
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	25, WCB, SS304, CF8
Locator	25, WCB, SS304, CF8
Stem Nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105





DN	L	D	D1	D2	b	f	n-ϕd	W	H
	PN16								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	186
20	150	105	75	58	18	2	4-ϕ14	ϕ140	186
25	160	115	85	68	18	2	4-ϕ14	ϕ160	201
32	180	140	100	78	18	2	4-ϕ18	ϕ160	204
40	200	150	110	88	18	3	4-ϕ18	ϕ180	230
50	230	165	125	102	18	3	4-ϕ18	ϕ200	245
65	290	185	145	122	18	3	4-ϕ18	ϕ220	285
80	310	200	160	138	20	3	8-ϕ18	ϕ250	293
100	350	220	180	158	20	3	8-ϕ18	ϕ300	370
125	400	250	210	188	22	3	8-ϕ18	ϕ350	410
150	480	285	240	212	22	3	8-ϕ22	ϕ350	450
200	600	340	295	268	24	3	12-ϕ22	ϕ450	555
250	730	405	355	320	26	3	12-ϕ26	ϕ550	775
300	850	460	410	378	28	4	12-ϕ26	ϕ600	900
350	980	520	470	438	30	4	16-ϕ26	ϕ700	1000
400	1100	580	525	490	32	4	16-ϕ30	ϕ700	1150
	PN25								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	186
20	150	105	75	58	18	2	4-ϕ14	ϕ140	186
25	160	115	85	68	18	2	4-ϕ14	ϕ160	201
32	180	140	100	78	18	2	4-ϕ18	ϕ160	204
40	200	150	110	88	18	3	4-ϕ18	ϕ180	230
50	230	165	125	102	20	3	4-ϕ18	ϕ200	245
65	290	185	145	122	22	3	8-ϕ18	ϕ220	285
80	310	200	160	138	24	3	8-ϕ18	ϕ250	293
100	350	235	190	162	24	3	8-ϕ22	ϕ300	370
125	400	270	220	188	26	3	8-ϕ26	ϕ350	410
150	480	300	250	218	28	3	8-ϕ26	ϕ350	450
200	600	360	310	278	30	3	12-ϕ26	ϕ450	680
250	730	425	370	335	32	3	12-ϕ30	ϕ550	775
300	850	485	430	395	34	4	16-ϕ30	ϕ600	900
350	980	555	490	450	38	4	16-ϕ33	ϕ700	1000
400	1100	620	550	505	40	4	16-ϕ36	ϕ700	1150
	PN40								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	186
20	150	105	75	58	18	2	4-ϕ14	ϕ140	186
25	160	115	85	68	18	2	4-ϕ14	ϕ160	201
32	180	140	100	78	18	2	4-ϕ18	ϕ160	204
40	200	150	110	88	18	3	4-ϕ18	ϕ180	230
50	230	165	125	102	20	3	4-ϕ18	ϕ200	245
65	290	185	145	122	22	3	8-ϕ18	ϕ220	285
80	310	200	160	138	24	3	8-ϕ18	ϕ250	293
100	350	235	190	162	24	3	8-ϕ22	ϕ300	370
125	400	270	220	188	26	3	8-ϕ26	ϕ350	410
150	480	300	250	218	28	3	8-ϕ26	ϕ350	500
200	600	375	320	285	34	3	12-ϕ30	ϕ450	680
250	730	450	385	345	38	3	12-ϕ33	ϕ550	775
300	850	515	450	410	42	4	16-ϕ33	ϕ600	900
350	980	580	510	465	46	4	16-ϕ36	ϕ700	1000
400	1100	660	585	535	50	4	16-ϕ39	ϕ700	1150

EWJ41H EXTEND BELLOW GLOBE VALVE



1. Separation design of bonnet, more flexible and extensive material selection, can adapt to different working conditions.
2. Bonnet is designed with a long neck, and the bellow is enclosed in bonnet space to prevent corrosion. Bellow is designed in extend size to reduce their expansion rate and enhance their fatigue resistance.
3. Bellow is formed by automatic insulation rolling welding, which integrates the bellow, valve stem, and packing box into a sealed metal barrier, ensuring zero leakage of the valve stem.
4. Double stem design for upper and lower stem, with good corrosion resistance for the lower stem and high strength and friction resistance for the upper stem.
5. Bellow has undergone 100% micro leakage testing and meets the international standard ISO15848–A.
6. The packing box is equipped with multiple layers of PTFE V–shaped composite packing, forming a second seal besides bellow, which increases the reliability of the seal. Double sealing design (bellows+packing), if the bellows fails, the valve stem packing will also prevent leakage.
7. Unique casting process, combined with corrosion–resistant alloy, effectively eliminates the corrosion, pore, sand hole and crack etc.
8. The middle flange adopts a mortise and tenon sealing structure, which ensures even in the event of pressure fluctuations of pipeline.
9. The sealing structure of the valve disc adopts cone and flat types, with stable performance and long service life.
10. Large size valves have shockproof structures to reduce noise and protect the seal surface.

TECHNICAL SPECIFICATION

Design standard: GB/T12235, BS1873, ASME 16.34

Face to face: GB/T12221, ASME B16.10

Connection standard: HG/T20592, ASME B16.5

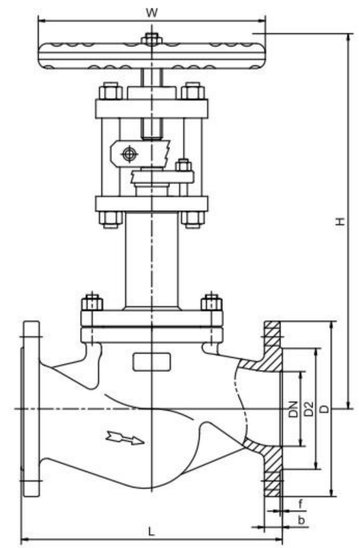
Test and inspection: GB/T26480, API 598

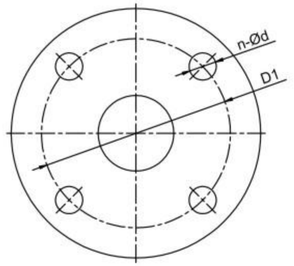
APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		–196℃~600℃	

NAME	MATERIAL
Body	GS–C25, WCB, CF8, CF8M, CF3M
Seat	13Cr, STL
Disc	13Cr, A105+13Cr, F304+STL,F316+STL
Stem	20Cr13, F304, F316
Bellow	SS304, SS316Ti, HASTELLOY
Gasket	GRAPHITE+SS, PTFE
Bonnet	GS–C25, WCB, CF8, CF8M, CF3M
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8
Packing	GRAPHITE, PTFE
Gland	WCB, SS304, SS316
Stem Nut	BRASS, D2
Yoke	20Cr13, 304
Handwheel	CS, KTH330





DN	L	D	D1	D2	b	f	n–ϕd	W	H
	PN16								
15	130	95	65	45	16	2	4–ϕ14	ϕ140	290
20	150	105	75	58	18	2	4–ϕ14	ϕ140	290
25	160	115	85	68	18	2	4–ϕ14	ϕ160	300
32	180	140	100	78	18	2	4–ϕ18	ϕ160	300
40	200	150	110	88	18	3	4–ϕ18	ϕ180	375
50	230	165	125	102	18	3	4–ϕ18	ϕ200	380
65	290	185	145	122	18	3	4–ϕ18	ϕ220	400
80	310	200	160	138	20	3	8–ϕ18	ϕ250	465
100	350	220	180	158	20	3	8–ϕ18	ϕ300	490
125	400	250	210	188	22	3	8–ϕ18	ϕ350	670
150	480	285	240	212	22	3	8–ϕ22	ϕ350	690
200	600	340	295	268	24	3	12–ϕ22	ϕ450	840
250	730	405	355	320	26	3	12–ϕ26	ϕ600	1010
300	850	460	410	378	28	4	12–ϕ26	ϕ600	1180
	PN25								
15	130	95	65	45	16	2	4–ϕ14	ϕ140	290
20	150	105	75	58	18	2	4–ϕ14	ϕ140	290
25	160	115	85	68	18	2	4–ϕ14	ϕ160	300
32	180	140	100	78	18	2	4–ϕ18	ϕ160	300
40	200	150	110	88	18	3	4–ϕ18	ϕ180	375
50	230	165	125	102	20	3	4–ϕ18	ϕ200	380
65	290	185	145	122	22	3	8–ϕ18	ϕ220	400
80	310	200	160	138	24	3	8–ϕ18	ϕ250	465
100	350	235	190	162	24	3	8–ϕ22	ϕ300	490
125	400	270	220	188	26	3	8–ϕ26	ϕ350	670
150	480	300	250	218	28	3	8–ϕ26	ϕ350	690
200	600	360	310	278	30	3	12–ϕ26	ϕ450	840
250	730	425	370	335	32	3	12–ϕ30	ϕ600	1010
300	850	485	430	395	34	4	16–ϕ30	ϕ600	1180
	PN40								
15	130	95	65	45	16	2	4–ϕ14	Φ140	290
20	150	105	75	58	18	2	4–ϕ14	ϕ140	290
25	160	115	85	68	18	2	4–ϕ14	ϕ160	300
32	180	140	100	78	18	2	4–ϕ18	ϕ160	300
40	200	150	110	88	18	3	4–ϕ18	ϕ180	375
50	230	165	125	102	20	3	4–ϕ18	ϕ200	380
65	290	185	145	122	22	3	8–ϕ18	ϕ220	400
80	310	200	160	138	24	3	8–ϕ18	ϕ250	465
100	350	235	190	162	24	3	8–ϕ22	ϕ300	490
125	400	270	220	188	26	3	8–ϕ26	ϕ350	670
150	480	300	250	218	28	3	8–ϕ26	ϕ350	690
200	600	375	320	285	34	3	12–ϕ30	ϕ450	840
250	730	450	385	345	38	3	12–ϕ33	ϕ600	1010
300	850	515	450	410	42	4	16–ϕ33	ϕ600	1180

WJ41H ANSI BELLOW GLOBE VALVE



1. The new structure valve body adopts German coated sand casting technology. It greatly improving the surface smoothness and mechanical performance, reducing pores, sand holes and cracks.
2. When in close position, the conical sealing surface with a scraping effect can automatically remove surface impurities, ensure reliable sealing and longer service life of the valve disc. Conical disc can achieve larger sealing strength in same close pressure, it's easier to close and providing better sealing performance.
3. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.
4. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.
5. Products above 6" with triangle position device, valve can installed in various angles and effectively reduce valve shaking. It provides protection and noise reduction. Especially when installed at the outlet of the thermal oil pump or on high speed steam pipelines, reduce internal damage caused by shaking can effectively increase the service life by more than twice.
6. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

TECHNICAL SPECIFICATION

Design standard: BS1873, ASME B16.34

Face to face: ASME B16.10

Connection standard:ASME B16.5

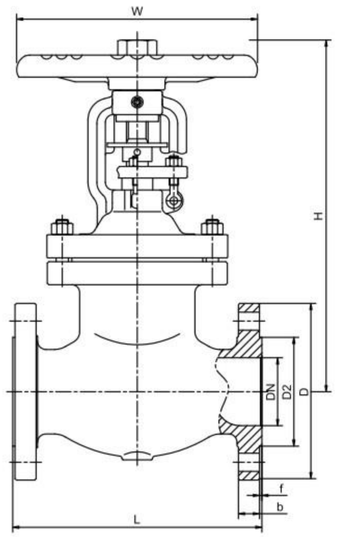
Test and inspection: API598

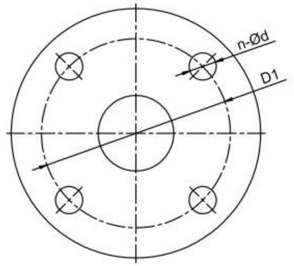
APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	WCB, WC6, CF8, CF8M, CF3M
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, A105+13Cr, F304+STL,F316+STL
Pin	SS304, SS316
Bellow	SS304, SS316L
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	WCB, WC6, CF8, CF8M, CF3M
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	WCB, CF8
Locator	25, WCB, SS304, CF8
Stem Nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105





材质	NPS	L	D	D1	D2	b	f	n-φd	W	H
		150LB								
A105 F304	1/2"	108	90	60.3	35	8	2	4-φ16	φ140	205
	3/4"	117	100	69.9	43	8.9	2	4-φ16	φ140	205
	1"	127	110	79.4	51	9.6	2	4-φ16	φ160	230
	1 1/4"	140	115	88.9	63.5	11.2	2	4-φ16	φ160	240
	1 1/2"	165	125	98.4	73	12.7	2	4-φ16	φ180	255
	2"	203	150	120.7	92	14.3	2	4-φ19	φ200	325
WCB CF8	2"	203	150	120.7	92	14.3	2	4-φ19	φ220	325
	2 1/2"	216	180	139.7	105	15.9	2	4-φ19	φ220	330
	3"	241	190	152.4	127	17.5	2	4-φ19	φ250	380
	4"	292	230	190.5	157	22.3	2	8-φ19	φ300	405
	5"	356	255	215.9	186	22.3	2	8-φ22	φ300	455
	6"	406	280	241.3	216	23.9	2	8-φ22	φ350	513
	8"	495	345	298.5	270	27	2	8-φ22	φ400	683
	10"	622	405	362	324	28.6	2	12-φ26	φ550	736
	12"	698	485	431.8	381	30.2	2	12-φ26	φ600	820
	14"	787	535	476.3	413	33.4	2	12-φ29	-	-
	16"	914	595	539.8	470	35	2	16-φ29	-	-
		300LB								
A105 F304	1/2"	152	95	66.7	35	12.7	2	4-φ16	φ140	205
	3/4"	178	115	82.6	43	14.3	2	4-φ19	φ140	205
	1"	203	125	88.9	51	15.9	2	4-φ19	φ160	230
	1 1/4"	216	135	98.4	63.5	17.5	2	4-φ19	φ160	240
	1 1/2"	229	155	114.3	73	19.1	2	4-φ22	φ180	255
	2"	267	165	127	92	20.7	2	8-φ19	φ200	325
WCB CF8	2"	267	165	127	92	20.7	2	8-φ19	φ220	330
	2 1/2"	292	190	149.2	105	23.9	2	8-φ22	φ220	355
	3"	318	210	168.3	127	27	2	8-φ22	φ250	414
	4"	356	255	200	157	30.2	2	8-φ22	φ300	433
	5"	400	280	235	186	33.4	2	8-φ22	φ350	452
	6"	444	320	269.9	216	35	2	12-φ22	φ450	545
	8"	559	380	330.2	270	39.7	2	12-φ26	φ500	725
	10"	622	445	387.4	324	46.1	2	16-φ29	φ600	798
	12"	711	520	450.8	381	49.3	2	16-φ32	φ600	933
	14"	838	585	514.4	413	52.4	2	20-φ32	-	-
	16"	864	650	571.5	470	55.6	2	20-φ35	-	-
		600LB								
A105 F304	1/2"	165	95	66.7	35	14.3	7	4-φ16	φ140	205
	3/4"	190	115	82.6	43	15.9	7	4-φ19	φ140	205
	1"	216	125	88.9	51	17.5	7	4-φ19	φ160	230
	1 1/4"	229	135	98.4	63.5	20.7	7	4-φ19	φ160	240
	1 1/2"	241	155	114.3	73	22.3	7	4-φ22	φ180	255
	2"	292	165	127	92	25.4	7	8-φ19	φ200	325
WCB Cf8	2"	292	165	127	92	25.4	7	8-φ19	φ250	400
	2 1/2"	330	190	149.2	105	28.6	7	8-φ22	φ250	450
	3"	356	210	168.3	127	31.8	7	8-φ22	φ350	490
	4"	432	275	215.9	157	38.1	7	8-φ26	φ450	600
	5"	508	330	266.7	186	44.5	7	8-φ29	φ500	700
	6"	559	355	292.1	216	47.7	7	12-φ29	φ550	790
	8"	660	420	349.2	270	55.6	7	12-φ32	φ600	1010
	10"	787	510	431.8	324	63.5	7	16-φ35	φ700	1180
	12"	838	560	489	381	66.7	7	20-φ35	-	-
	14"	889	605	527	413	69.9	7	20-φ39	-	-
	16"	991	685	603.2	470	76.2	7	20-φ42	-	-

WJ45H Y TYPE BELLOW GLOBE VALVE



1.Y flow pattern has lower fluid resistance than the S flow pattern. This structure can accelerate the flow speed, reduce pressure loss and energy loss, especially suitable for media with viscosity and easy agglomeration.

2. When in close position, the conical sealing surface with a scraping effect can automatically remove surface impurities, ensure reliable sealing and longer service life of the valve disc. Conical disc can achieve larger sealing strength in same close pressure, it's easier to close and providing better sealing performance.

3. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.

4. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.

TECHNICAL SPECIFICATION

Design standard: EN13709, GB/T12224

Face to face: EN558, GB/T12221

Connection standard: EN1092, GB/T9124.1, HG/T20592

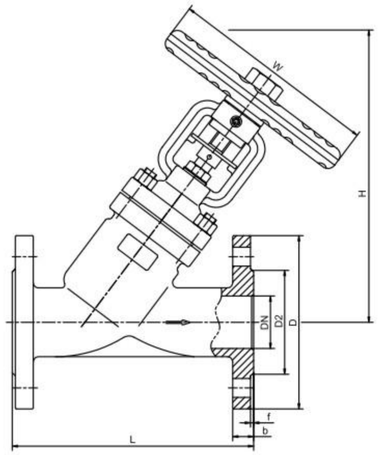
Test and inspection: EN12266, GB/T26480

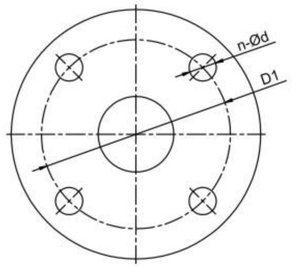
APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	GS-C25, CF8, CF8M, CF3M
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, A105+13Cr, F304+STL,F316+STL
Pin	SS304, SS316
Bellow	SS304, SS316L
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	GS-C25, CF8, CF8M, CF3M
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	WCB, CF8
Locator	25, WCB, SS304, CF8
Stem Nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105





DN	L	D	D1	D2	b	f	n-ϕd	W	H
	PN16								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	190
20	150	105	75	58	18	2	4-ϕ14	ϕ140	210
25	160	115	85	68	18	2	4-ϕ14	ϕ160	220
32	180	140	100	78	18	2	4-ϕ18	ϕ160	230
40	200	150	110	88	18	3	4-ϕ18	ϕ180	260
50	230	165	125	102	18	3	4-ϕ18	ϕ200	280
65	290	185	145	122	18	3	4-ϕ18	ϕ220	320
80	310	200	160	138	20	3	8-ϕ18	ϕ250	370
100	350	220	180	158	20	3	8-ϕ18	ϕ300	440
125	400	250	210	188	22	3	8-ϕ18	ϕ350	480
150	480	285	240	212	22	3	8-ϕ22	ϕ350	580
200	600	340	295	268	24	3	12-ϕ22	ϕ450	750
250	730	405	355	320	26	3	12-ϕ26	ϕ550	880
300	850	460	410	378	28	4	12-ϕ26	ϕ600	970
350	980	520	470	438	30	4	16-ϕ26	ϕ700	1220
	PN25								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	190
20	150	105	75	58	18	2	4-ϕ14	ϕ140	210
25	160	115	85	68	18	2	4-ϕ14	ϕ160	220
32	180	140	100	78	18	2	4-ϕ18	ϕ160	230
40	200	150	110	88	18	3	4-ϕ18	ϕ180	260
50	230	165	125	102	20	3	4-ϕ18	ϕ200	280
65	290	185	145	122	22	3	8-ϕ18	ϕ220	320
80	310	200	160	138	24	3	8-ϕ18	ϕ250	370
100	350	235	190	162	24	3	8-ϕ22	ϕ300	440
125	400	270	220	188	26	3	8-ϕ26	ϕ350	480
150	480	300	250	218	28	3	8-ϕ26	ϕ350	580
200	600	360	310	278	30	3	12-ϕ26	ϕ450	750
250	730	425	370	335	32	3	12-ϕ30	ϕ550	880
300	850	485	430	395	34	4	16-ϕ30	ϕ600	970
350	980	555	490	450	38	4	16-ϕ33	ϕ700	1220
	PN40								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	190
20	150	105	75	58	18	2	4-ϕ14	ϕ140	210
25	160	115	85	68	18	2	4-ϕ14	ϕ160	220
32	180	140	100	78	18	2	4-ϕ18	ϕ160	230
40	200	150	110	88	18	3	4-ϕ18	ϕ180	260
50	230	165	125	102	20	3	4-ϕ18	ϕ200	280
65	290	185	145	122	22	3	8-ϕ18	ϕ220	320
80	310	200	160	138	24	3	8-ϕ18	ϕ250	370
100	350	235	190	162	24	3	8-ϕ22	ϕ300	440
125	400	270	220	188	26	3	8-ϕ26	ϕ350	480
150	480	300	250	218	28	3	8-ϕ26	ϕ350	580
200	600	375	320	285	34	3	12-ϕ30	ϕ450	750
250	730	450	385	345	38	3	12-ϕ33	ϕ550	880
300	850	515	450	410	42	4	16-ϕ33	ϕ600	970
350	980	580	510	465	46	4	16-ϕ36	ϕ700	1220

WJ44H ANGLE BELLOW GLOBE VALVE



1. Angle type bellows globe valve, with a 90 degree angle flow pattern. It is suitable for installation at the corners of pipeline systems, which can save 90 degree elbows, save materials and space, and easy operation.
2. When in close position, the conical sealing surface with a scraping effect can automatically remove surface impurities, ensure reliable sealing and longer service life of the valve disc. Conical disc can achieve larger sealing strength in same close pressure, it's easier to close and providing better sealing performance.
3. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.
4. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.
5. Products above DN150 with triangle position device, valve can installed in various angles and effectively reduce valve shaking. It provides protection and noise reduction. Especially when installed at the outlet of the thermal oil pump or on high speed steam pipelines, reduce internal damage caused by shaking can effectively increase the service life by more than twice.
6. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

TECHNICAL SPECIFICATION

Design standard: EN12516, GB/T12224

Face to face: EN558, GB/T12221

Connection standard: EN1092, GB/T9124.1, HG/T20592

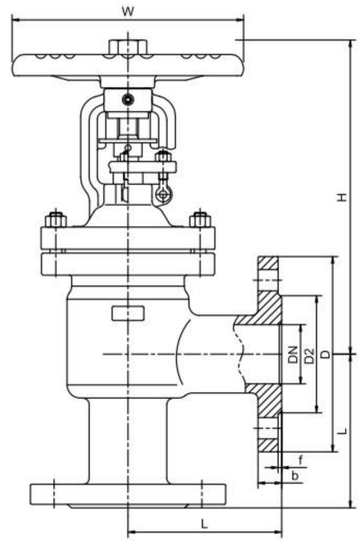
Test and inspection: EN12266, GB/T26480

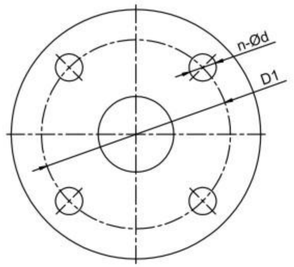
APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	GS-C25, 1.0619, CF8, CF8M, CF3M
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, A105+13Cr, F304+STL,F316+STL
Pin	SS304, SS316
Bellow	SS304, SS316L
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	GS-C25, 1.0619, CF8, CF8M, CF3M
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	25, WCB, SS304, CF8
Locator	25, WCB, SS304, CF8
Stem Nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105





DN	L	D	D1	D2	b	f	n-ϕd	W	H
	PN16								
15	90	95	65	45	16	2	4-ϕ14	ϕ140	180
20	95	105	75	58	18	2	4-ϕ14	ϕ140	180
25	100	115	85	68	18	2	4-ϕ14	ϕ160	190
32	105	140	100	78	18	2	4-ϕ18	ϕ160	190
40	115	150	110	88	18	3	4-ϕ18	ϕ180	220
50	125	165	125	102	18	3	4-ϕ18	ϕ200	240
65	145	185	145	122	18	3	4-ϕ18	ϕ220	290
80	155	200	160	138	20	3	8-ϕ18	ϕ250	315
100	175	220	180	158	20	3	8-ϕ18	ϕ300	390
125	200	250	210	188	22	3	8-ϕ18	ϕ350	410
150	225	285	240	212	22	3	8-ϕ22	ϕ350	470
200	275	340	295	268	24	3	12-ϕ22	ϕ450	630
250	325	405	355	320	26	3	12-ϕ26	ϕ550	705
300	375	460	410	378	28	4	12-ϕ26	ϕ600	820
	PN25								
15	90	95	65	45	16	2	4-ϕ14	ϕ140	180
20	95	105	75	58	18	2	4-ϕ14	ϕ140	180
25	100	115	85	68	18	2	4-ϕ14	ϕ160	190
32	105	140	100	78	18	2	4-ϕ18	ϕ160	190
40	115	150	110	88	18	3	4-ϕ18	ϕ180	220
50	125	165	125	102	20	3	4-ϕ18	ϕ200	240
65	145	185	145	122	22	3	8-ϕ18	ϕ220	290
80	155	200	160	138	24	3	8-ϕ18	ϕ250	315
100	175	235	190	162	24	3	8-ϕ22	ϕ300	390
125	200	270	220	188	26	3	8-ϕ26	ϕ350	410
150	225	300	250	218	28	3	8-ϕ26	ϕ350	470
200	275	360	310	278	30	3	12-ϕ26	ϕ450	630
250	325	425	370	335	32	3	12-ϕ30	ϕ550	705
300	375	485	430	395	34	4	16-ϕ30	ϕ600	820
	PN40								
15	90	95	65	45	16	2	4-ϕ14	ϕ140	180
20	95	105	75	58	18	2	4-ϕ14	ϕ140	180
25	100	115	85	68	18	2	4-ϕ14	ϕ160	190
32	105	140	100	78	18	2	4-ϕ18	ϕ160	190
40	115	150	110	88	18	3	4-ϕ18	ϕ180	220
50	125	165	125	102	18	3	4-ϕ18	ϕ200	240
65	145	185	145	122	22	3	8-ϕ18	ϕ220	290
80	155	200	160	138	24	3	8-ϕ18	ϕ250	315
100	175	235	190	162	24	3	8-ϕ22	ϕ300	390
125	200	270	220	188	26	3	8-ϕ26	ϕ350	410
150	225	300	250	218	28	3	8-ϕ26	ϕ350	470
200	275	375	320	285	34	3	12-ϕ30	ϕ450	630
250	325	450	385	345	38	3	12-ϕ33	ϕ550	705
300	375	515	450	410	42	4	16-ϕ33	ϕ600	820

WJ41H FORGED BELLOW GLOBE VALVE



1. Forged steel bellows sealed globe valves have a more uniform structure, higher density, smaller dimensional errors, and better strength compared to casting material.
2. Forged material has better mechanical performance than casting, in application of strong stress corrosion and crystal corrosion, it ensures longer service life.
3. When in close position, the conical sealing surface with a scraping effect can automatically remove surface impurities, ensure reliable sealing and longer service life of the valve disc. Conical disc can achieve larger sealing strength in same close pressure, it's easier to close and providing better sealing performance.
4. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.
5. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.
6. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

TECHNICAL SPECIFICATION

Design standard: JB/T7746, API602

Face to face: GB/T12221, ASME B16.10

Connection standard:HG/T20592, ASME B16.5

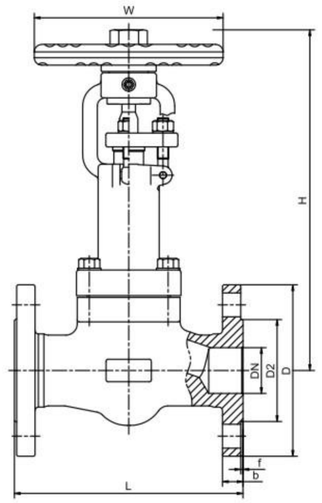
Test and inspection: GB/T26480, API598

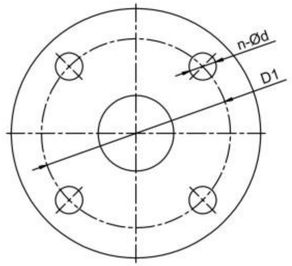
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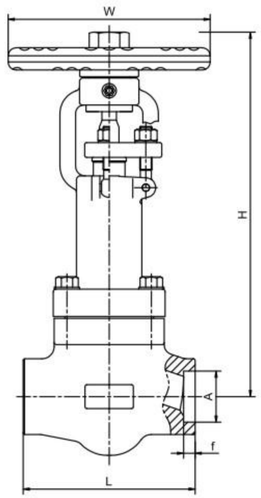
Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	A105, F304, F316, F316L, LF2
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, F304+STL,F316+STL
Pin	SS304, SS316
Bellow	SS304, SS316L, HASTELLOY
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	A105, F304, F316, F316L, LF2
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	A105, F304
Locator	25, SS304
Stem Nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105







DN	L	D	D1	D2	b	f	n-φd	W	H
	PN16–PN40								
15	130	95	65	45	16	2	4-φ14	φ140	205
20	150	105	75	58	18	2	4-φ14	φ140	205
25	160	115	85	68	18	2	4-φ14	φ160	225
32	180	140	100	78	18	2	4-φ18	φ160	240
40	200	150	110	88	18	3	4-φ18	φ180	305
50	230	165	125	102	20	3	4-φ18	φ200	325
	PN63								
15	170	105	75	45	20	2	4-φ14	φ140	205
20	190	130	90	58	22	2	4-φ18	φ140	205
25	210	140	100	68	24	2	4-φ18	φ160	225
32	230	155	110	78	26	2	4-φ22	φ160	240
40	260	170	125	88	28	3	4-φ22	φ180	305
50	300	180	135	102	26	3	4-φ22	φ200	325
	150LB								
1/2"	108	90	60.3	35	8	2	4-φ16	φ140	205
3/4"	117	100	69.9	43	8.9	2	4-φ16	φ140	205
1"	127	110	79.4	51	9.6	2	4-φ16	φ160	225
1 1/4"	140	115	88.9	63.5	11.2	2	4-φ16	φ160	240
1 1/2"	165	125	98.4	73	12.7	2	4-φ16	φ180	305
2"	203	150	120.7	92	14.3	2	4-φ19	φ200	325
	300LB								
1/2"	152	95	66.7	35	12.7	2	4-φ16	φ140	205
3/4"	178	115	82.6	43	14.3	2	4-φ19	φ140	205
1"	203	125	88.9	51	15.9	2	4-φ19	φ160	225
1 1/4"	216	135	98.4	63.5	17.5	2	4-φ19	φ160	240
1 1/2"	229	155	114.3	73	19.1	2	4-φ22	φ180	305
2"	267	165	127	92	20.7	2	8-φ19	φ200	325

DN	L	A	f	W	H
	PN16–PN100 (150–600LB)				
15	79	21.8	9.6	φ140	205
20	92	27.4	12.7	φ140	205
25	111	34.2	12.7	φ160	225
32	120	42.9	12.7	φ160	240
40	152	48.8	12.7	φ180	305
50	172	61.1	15.6	φ200	325

WJ41H FORGED HIGH PRESSURE BELLOW GLOBE VALVE



1. Forged steel bellows sealed globe valves have a more uniform structure, higher density, smaller dimensional errors, and better strength compared to casting material.
2. Forged material has better mechanical performance than casting, in application of strong stress corrosion and crystal corrosion, it ensures longer service life.
3. When in close position, the conical sealing surface with a scraping effect can automatically remove surface impurities, ensure reliable sealing and longer service life of the valve disc. Conical disc can achieve larger sealing strength in same close pressure, it's easier to close and providing better sealing performance.
4. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.
5. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.
6. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

TECHNICAL SPECIFICATION

Design standard: JB/T7746, API602

Face to face: GB/T12221, ASME B16.10

Connection standard:HG/T20592, ASME B16.5

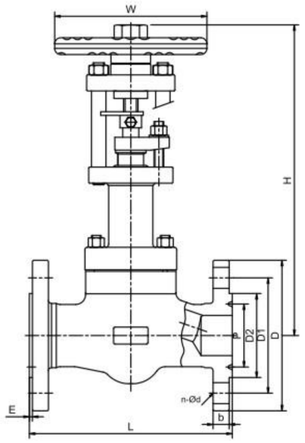
Test and inspection: GB/T26480, API598

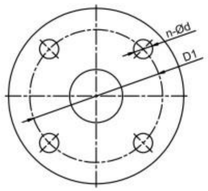
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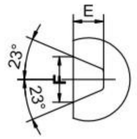
Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

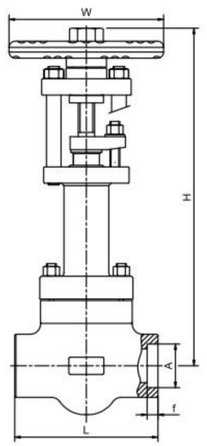
TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	A105, F304, F316, F316L, LF2
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, F304+STL,F316+STL
Pin	SS304, SS316
Bellow	SS304, SS316L, HASTELLOY
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	A105, F304, F316, F316L, LF2
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	A105, F304
Locator	25, SS304
Stem Nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105









DN	L	D	D1	D2	P	E	F	b	n-φd	W	H
	PN100										
15	165	105	75	55	35	9	6.5	20	4-φ14	φ160	270
20	190	130	90	68	45	9	6.5	22	4-φ18	φ160	270
25	216	140	100	78	50	9	6.5	24	4-φ18	φ180	303
32	229	155	110	86	65	9	6.5	26	4-φ22	φ180	310
40	260	170	125	102	75	9	6.5	28	4-φ22	φ200	342
50	300	195	145	116	85	12	8	30	4-φ26	φ220	370
	PN160										
15	170	105	75	58	35	9	6.5	20	4-φ14	φ160	300
20	190	130	90	70	45	9	6.5	22	4-φ18	φ160	300
25	210	140	100	80	50	9	6.5	24	4-φ18	φ180	310
32	230	155	110	86	65	9	6.5	26	4-φ22	φ200	340
40	260	170	125	102	75	9	6.5	28	4-φ22	φ220	365
50	300	195	145	118	95	12	8	30	4-φ26	φ240	395
	600LB										
1/2''	165	95	66.5	51	34.1	7.14	5.56	14.5	4-φ16	φ160	270
3/4''	190	120	82.5	63.5	42.9	8.74	6.35	16	4-φ18	φ160	270
1''	216	125	89	70	50.8	8.74	6.35	17.5	4-φ18	φ180	303
1 1/4''	226	135	98.5	79.5	60.3	8.74	6.35	21	4-φ18	φ180	310
1 1/2''	241	155	114.5	90.5	68.3	8.74	6.35	22.5	4-φ22	φ200	342
2''	295	165	127	108	82.6	11.9	7.92	25.5	8-φ18	φ220	370
	900LB										
1/2''	216	120	82.5	60.5	39.7	8.74	6.35	12.7	4-φ22	φ160	300
3/4''	229	130	89	66.5	44.5	8.74	6.35	14.3	4-φ22	φ160	300
1''	254	150	102	71.5	50.8	8.74	6.35	15.9	4-φ26	φ180	310
1 1/4''	279	160	111	81	60.3	8.74	6.35	17.5	4-φ26	φ200	340
1 1/2''	305	180	124	92	68.3	8.74	6.35	19.1	4-φ30	φ220	365
2''	371	215	165	124	95.3	11.9	7.92	20.7	8-φ26	φ240	395

DN	L	A	f	W	H
	PN16-PN100 (150-600LB)				
15	79	21.8	9.6	φ160	270
20	92	27.4	12.7	φ160	270
25	111	34.2	12.7	φ180	303
32	120	42.9	12.7	φ180	310
40	152	48.8	12.7	φ200	342
50	172	61.1	15.6	φ220	370
	PN160 (900LB)				
15	111	21.8	9.6	φ160	φ160
20	111	27.4	12.7	φ160	φ160
25	120	34.2	12.7	φ180	φ180
32	152	42.9	12.7	φ200	φ200
40	172	48.8	12.7	φ220	φ220
50	216	61.1	15.6	φ240	φ240

WJ45H FORGED Y BELLOW GLOBE VALVE



1. Forged steel Y bellows sealed globe valves have Y flow pattern with lower fluid resistance than the S flow pattern. This structure can accelerate the flow speed, reduce pressure loss and energy loss, especially suitable for media with viscosity and easy agglomeration.
2. Forged steel bellows sealed globe valves have a more uniform structure, higher density, smaller dimensional errors, and better strength compared to casting material.
3. Forged material has better mechanical performance than casting, in application of strong stress corrosion and crystal corrosion, it ensures longer service life.
4. When in close position, the conical sealing surface with a scraping effect can automatically remove surface impurities, ensure reliable sealing and longer service life of the valve disc. Conical disc can achieve larger sealing strength in same close pressure, it's easier to close and providing better sealing performance.
5. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.
6. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.
7. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

TECHNICAL SPECIFICATION

Design standard: GB/T12235, BS1873, ASME 16.34

Face to face: GB/T12221, ASME B16.10

Connection standard: HG/T20592, ASME B16.5

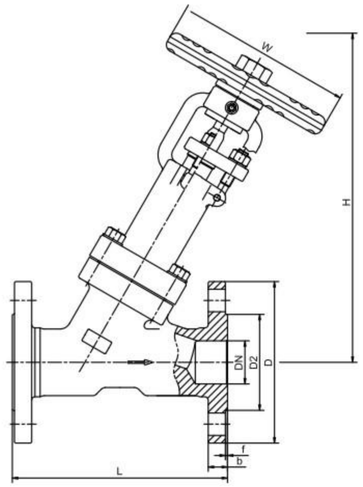
Test and inspection: GB/T26480, API598

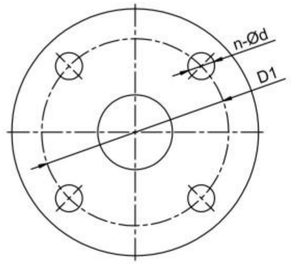
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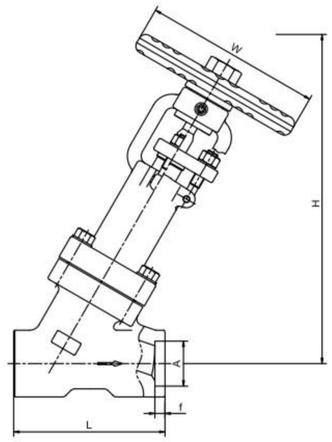
Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	A105, F304, F316, F316L, LF2
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, F304+STL,F316+STL
Pin	SS304, SS316
Bellow	SS304, SS316L, HASTELLOY
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	A105, F304, F316, F316L, LF2
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	A105, F304
Locator	25, SS304
Stem nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105







DN	L	D	D1	D2	b	f	n-ϕd	W	H
	PN16–40								
15	150	95	65	45	16	2	4-ϕ14	ϕ140	205
20	150	105	75	58	18	2	4-ϕ14	ϕ140	205
25	160	115	85	68	18	2	4-ϕ14	ϕ160	225
32	180	140	100	78	18	2	4-ϕ18	ϕ160	240
40	200	150	110	88	18	3	4-ϕ18	ϕ180	305
50	230	165	125	102	20	3	4-ϕ18	ϕ200	325
PN63									
15	170	105	75	45	20	2	4-ϕ14	ϕ140	205
20	190	130	90	58	22	2	4-ϕ18	ϕ140	205
25	210	140	100	68	24	2	4-ϕ18	ϕ160	225
32	230	155	110	78	26	2	4-ϕ22	ϕ160	240
40	260	170	125	88	28	3	4-ϕ22	ϕ180	305
50	300	180	135	102	26	3	4-ϕ22	ϕ200	325
150LB									
1/2"	152	90	60.3	35	11.6	2	4-ϕ16	ϕ140	205
3/4"	178	100	69.9	43	13.2	2	4-ϕ16	ϕ140	205
1"	203	110	79.4	51	16	2	4-ϕ16	ϕ160	225
1 1/4"	216	115	88.9	63.5	16	2	4-ϕ16	ϕ160	240
1 1/2"	229	125	98.4	73	17.5	2	4-ϕ16	ϕ180	305
2"	267	150	120.7	92	19.5	2	4-ϕ19	ϕ200	325
300LB									
1/2"	152	95	66.7	35	14.7	2	4-ϕ16	ϕ140	205
3/4"	178	115	82.6	43	16.3	2	4-ϕ19	ϕ140	205
1"	203	125	88.9	51	17.9	2	4-ϕ19	ϕ160	225
1 1/4"	216	135	98.4	63.5	19.5	2	4-ϕ19	ϕ160	240
1 1/2"	229	155	114.3	73	21.1	2	4-ϕ22	ϕ180	305
2"	267	165	127	92	22.7	2	8-ϕ19	ϕ200	325

DN	L	A	f	W	H
	PN16–PN100 (150–600LB)				
15	79	21.8	9.6	ϕ140	205
20	92	27.4	12.7	ϕ140	205
25	111	34.2	12.7	ϕ160	225
32	120	42.9	12.7	ϕ160	240
40	152	48.8	12.7	ϕ180	305
50	172	61.1	15.6	ϕ200	325

WZ41H DIN BELLOW GATE VALVE



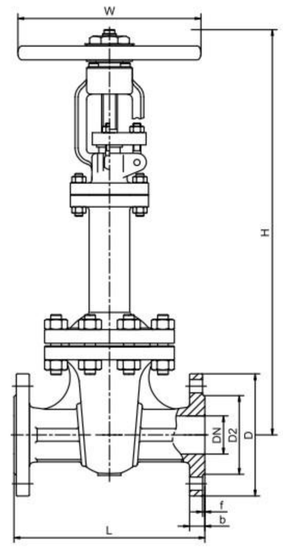
1.Bellow seal element. The key part of bellow sealed globe valves is mental bellow. It is the connection between cover and stem with automatic roll welding. The mental bellow can keep the stem part no leakage.

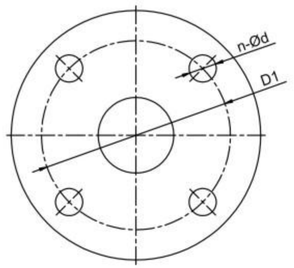
2.Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide a excellent seal, which meets international and domestic sealing standards.

3.Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.

4.Grease nipple. It can direct lubricate the stem, nut and sleeve.

5.Ergonomic hand wheel. It provide longer service life and easier operation.





TECHNICAL SPECIFICATION

Design standard: EN12516, GB/T12224

Face to face: EN558, GB/T12221

Connection standard: EN1092, GB/T9124.1, HG/T20592

Test and inspection: EN12266, GB/T26480

APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	WCB, WC6, CF8, CF8M, CF3M
Seat	13Cr, STL
Disc	WCB+13Cr, STL
Bellow	SS304, SS316L
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	WCB, WC6, CF8, CF8M, CF3M
Yoke	WCB, WC6, CF8, CF8M, CF3M
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	WCB, CF8
Cover	35, SS304
Stem nut	BRASS, D2
Handwheel	CS, KTH330
Cap	A105

DN	L	D	D1	D2	b	f	n-φd	W	H
	PN16								
50	250	165	125	102	18	3	4-φ18	φ220	500
65	270	185	145	122	18	3	4-φ18	φ240	560
80	280	200	160	138	20	3	8-φ18	φ280	620
100	300	220	180	158	20	3	8-φ18	φ300	800
125	325	250	210	188	22	3	8-φ18	φ320	900
150	350	285	240	212	22	3	8-φ22	φ350	1100
200	400	340	295	268	24	3	12-φ22	φ400	1380
250	450	405	355	320	26	3	12-φ26	φ450	1600
300	500	460	410	378	28	4	12-φ26	φ500	1950
350	550	520	470	438	30	4	16-φ26	φ550	2250
400	600	580	525	490	32	4	16-φ30	φ600	2550
450	650	640	585	550	40	4	20-φ30	φ650	2760
500	700	715	650	610	44	4	20-φ33	φ700	3150
600	800	840	770	725	54	5	20-φ36	φ750	3900
	PN25								
50	250	165	125	102	20	3	4-φ18	φ220	500
65	270	185	145	122	22	3	8-φ18	φ240	560
80	280	200	160	138	24	3	8-φ18	φ280	620
100	300	235	190	162	24	3	8-φ22	φ300	800
125	325	270	220	188	26	3	8-φ26	φ320	900
150	350	300	250	218	28	3	8-φ26	φ350	1100
200	400	360	310	278	30	3	12-φ26	φ400	1380
250	450	425	370	335	32	3	12-φ30	φ450	1600
300	500	485	430	395	34	4	16-φ30	φ500	1950
350	550	555	490	450	38	4	16-φ33	φ550	2250
400	600	620	550	505	40	4	16-φ36	φ600	2550
450	650	670	600	555	46	4	20-φ36	φ650	2760
500	700	730	660	615	48	4	20-φ36	φ700	3150
600	800	845	770	720	58	5	20-φ39	φ750	3900
	PN40								
50	250	165	125	102	20	3	4-φ18	φ220	500
65	280	185	145	122	22	3	8-φ18	φ250	560
80	310	200	160	138	24	3	8-φ18	φ300	620
100	350	235	190	162	24	3	8-φ22	φ320	800
125	400	270	220	188	26	3	8-φ26	φ350	900
150	450	300	250	218	28	3	8-φ26	φ400	1100
200	550	375	320	285	34	3	12-φ30	φ450	1380
250	650	450	385	345	38	3	12-φ33	φ500	1600
300	750	515	450	410	42	4	16-φ33	φ550	1950
350	850	580	510	465	46	4	16-φ36	φ600	2250
400	950	660	585	535	50	4	16-φ39	φ650	2550
450	1050	685	610	560	57	4	20-φ39	–	2760
500	1150	755	670	615	57	4	20-φ42	–	3150
600	1350	890	795	735	72	5	20-φ48	–	3900

WZ41H ANSI BELLOW GATE VALVE



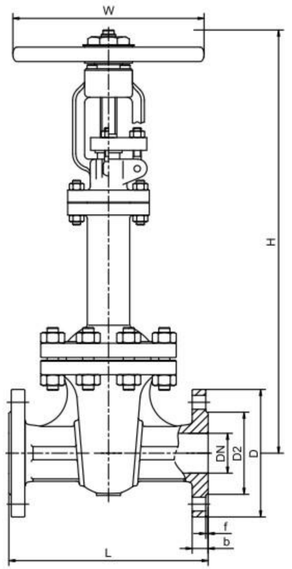
1.Bellow seal element. The key part of bellow sealed globe valves is mental bellow. It is the connection between cover and stem with automatic roll welding. The mental bellow can keep the stem part no leakage.

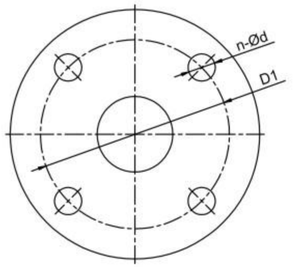
2.Double seal design(bellows+packing). Bellow and packing can protect against leakage and provide a excellent seal, which meets international and domestic sealing standards.

3.Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.

4.Grease nipple. It can direct lubricate the stem, nut and sleeve.

5.Ergonomic hand wheel. It provide longer service life and easier operation.





DN	L	D	D1	D2	b	f	n–ϕd	W	H
	150LB								
2''	178	150	120.7	92	14.3	2	4–ϕ19	ϕ220	415
2 1/2''	190	180	139.7	105	15.9	2	4–ϕ19	ϕ240	560
3''	203	190	152.4	127	17.5	2	4–ϕ19	ϕ280	620
4''	229	230	190.5	157	22.3	2	8–ϕ19	ϕ300	670
5''	254	255	215.9	186	22.3	2	8–ϕ22	ϕ320	810
6''	267	280	241.3	216	23.9	2	8–ϕ22	ϕ350	900
8''	292	345	298.5	270	27	2	8–ϕ22	ϕ400	1100
10''	330	405	362	324	28.6	2	12–ϕ26	ϕ450	1480
12''	356	485	431.8	381	30.2	2	12–ϕ26	ϕ500	1890
14''	381	535	476.3	413	33.4	2	12–ϕ29	ϕ550	2250
16''	406	595	539.8	470	35	2	16–ϕ29	ϕ600	2550
18''	432	635	577.9	533	38.1	2	16–ϕ32	ϕ650	2760
20''	457	700	635	584	41.3	2	20–ϕ32	ϕ700	3150
	300LB								
2''	216	165	127	92	20.7	2	8–ϕ19	ϕ220	470
2 1/2''	241	190	149.2	105	23.9	2	8–ϕ22	ϕ250	560
3''	283	210	168.3	127	27	2	8–ϕ22	ϕ300	640
4''	305	255	200	157	30.2	2	8–ϕ22	ϕ320	680
5''	381	280	235	186	33.4	2	8–ϕ22	ϕ350	860
6''	403	320	269.9	216	35	2	12–ϕ22	ϕ400	960
8''	419	380	330.2	270	39.7	2	12–ϕ26	ϕ450	1270
10''	457	445	387.4	324	46.1	2	16–ϕ29	ϕ500	1590
12''	502	520	450.8	381	49.3	2	16–ϕ32	ϕ550	2050
14''	762	585	514.4	413	52.4	2	20–ϕ32	ϕ600	2250
16''	838	650	571.5	470	55.6	2	20–ϕ35	–	–
18''	914	710	628.6	533	58.8	2	24–ϕ35	–	–
20''	991	775	685.8	584	62	2	24–ϕ35	–	–
	600LB								
2''	292	165	127	92	25.4	7	8–ϕ19	ϕ220	500
2 1/2''	330	190	149.2	105	28.6	7	8–ϕ22	ϕ250	650
3''	356	210	168.3	127	31.8	7	8–ϕ22	ϕ300	700
4''	432	275	215.9	157	38.1	7	8–ϕ26	ϕ400	760
5''	508	330	266.7	186	44.5	7	8–ϕ29	ϕ450	950
6''	559	355	292.1	216	47.7	7	12–ϕ29	ϕ500	1050
8''	660	420	349.2	270	55.6	7	12–ϕ32	ϕ550	1380
10''	787	510	431.8	324	63.5	7	16–ϕ35	ϕ600	1700
12''	838	560	489	381	66.7	7	20–ϕ35	ϕ700	2170
14''	889	605	527	413	69.9	7	20–ϕ39	–	–
16''	991	685	603.2	470	76.2	7	20–ϕ42	–	–
18''	1092	745	654	533	82.6	7	20–ϕ45	–	–
20''	1194	815	723.9	584	88.9	7	24–ϕ45	–	–

TECHNICAL SPECIFICATION

Design standard: ASME B16.34, API600

Face to face: ASME B16.10

Connection standard: ASME B16.5

Test and inspection: API598

APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		–196℃~600℃	

NAME	MATERIAL
Body	WCB, WC6, CF8, CF8M, CF3M
Seat	13Cr, STL
Wedge	WCB+13Cr, STL
Bellow	SS304, SS316L
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	WCB, WC6, CF8, CF8M, CF3M
Yoke	WCB, WC6, CF8, CF8M, CF3M
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8
Packing	GRAPHITE, PTFE
Gland	WCB, CF8
Cover	35, SS304
Stem nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105

WZ41H FORGED BELLOW GATE VALVE



1. Forged steel bellows sealed globe valves have a more uniform structure, higher density, smaller dimensional errors, and better strength compared to casting material.
2. Forged material has better mechanical performance than casting, in application of strong stress corrosion and crystal corrosion, it ensures longer service life.
3. The diameter of the flow pattern meets domestic and international manufacturing standards, with strong flow capacity and low pressure loss, better adapting to the process design requirements of pipelines.
4. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.
5. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.
6. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

TECHNICAL SPECIFICATION

Design standard: JB/T7746, API602

Face to face: GB/T12221, ASME B16.10

Connection standard: HG/T20592, ASME B16.5

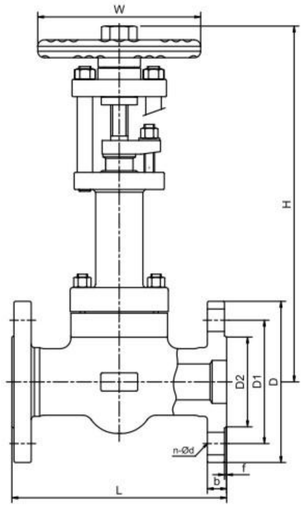
Test and inspection: GB/T26480, API598

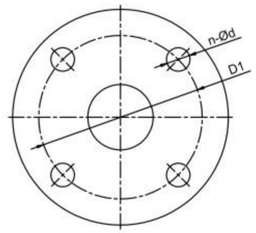
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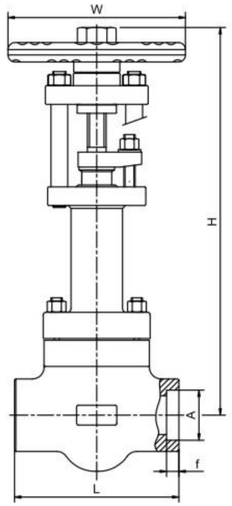
Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	A105, F304, F316, F316L, LF2
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, F304+STL,F316+STL
Pin	SS304, SS316
Bellow	SS304, SS316L, HASTELLOY
Stem	20Cr13, F304, F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	A105, F304, F316, F316L, LF2
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	A105, F304
Locator	25, SS304
Stem nut	BRASS, 45, D2
Handwheel	CS, KTH330
Cap	A105







DN	L	D	D1	D2	b	f	n-ϕd	W	H
	PN16–PN40								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	270
20	150	105	75	58	18	2	4-ϕ14	ϕ140	270
25	160	115	85	68	18	2	4-ϕ14	ϕ160	303
32	180	140	100	78	18	2	4-ϕ18	ϕ160	310
40	200	150	110	88	18	3	4-ϕ18	ϕ180	342
50	250	165	125	102	20	3	4-ϕ18	ϕ200	370
PN63									
15	170	105	75	45	20	2	4-ϕ14	ϕ140	270
20	190	130	90	58	22	2	4-ϕ18	ϕ140	270
25	210	140	100	68	24	2	4-ϕ18	ϕ160	303
32	230	155	110	78	26	2	4-ϕ22	ϕ160	310
40	240	170	125	88	28	3	4-ϕ22	ϕ180	342
50	250	180	135	102	26	3	4-ϕ22	ϕ200	370
150LB									
1/2"	108	90	60.3	35	8	2	4-ϕ16	ϕ140	270
3/4"	117	100	69.9	43	8.9	2	4-ϕ16	ϕ140	270
1"	127	110	79.4	51	9.6	2	4-ϕ16	ϕ160	303
1 1/4"	140	115	88.9	63.5	11.2	2	4-ϕ16	ϕ160	310
1 1/2"	165	125	98.4	73	12.7	2	4-ϕ16	ϕ180	342
2"	178	150	120.7	92	14.3	2	4-ϕ19	ϕ200	370
300LB									
1/2"	140	95	66.7	35	12.7	2	4-ϕ16	ϕ140	270
3/4"	152	115	82.6	43	14.3	2	4-ϕ19	ϕ140	270
1"	165	125	88.9	51	15.9	2	4-ϕ19	ϕ160	303
1 1/4"	178	135	98.4	63.5	17.5	2	4-ϕ19	ϕ160	310
1 1/2"	190	155	114.3	73	19.1	2	4-ϕ22	ϕ180	342
2"	216	165	127	92	20.7	2	8-ϕ19	ϕ200	370

DN	L	A	f	W	H
	PN16–PN100 (150–600LB)				
15	79	21.8	9.6	ϕ140	270
20	92	27.4	12.7	ϕ140	270
25	111	34.2	12.7	ϕ160	303
32	120	42.9	12.7	ϕ160	310
40	120	48.8	12.7	ϕ180	342
50	140	61.1	15.6	ϕ200	370

WJ41H CHLORINE GLOBE VALVE



1. Separation design of bonnet, more flexible and extensive material selection, can adapt to different working conditions.
2. Bonnet is designed with a long neck, and the bellow is enclosed in bonnet space to prevent erosion; Bellow is designed in extend size to reduce their expansion rate and enhance their fatigue resistance.
3. Bellow is formed by automatic insulation rolling welding, which integrates the bellow, valve stem, and packing box into a sealed metal barrier, ensuring zero leakage of the valve stem.
4. Double stem design for upper and lower stem, with good corrosion resistance for the lower stem and high strength and friction resistance for the upper stem.
5. Bellow has undergone 100% micro leakage testing and meets the international standard ISO15848–A.
6. The packing box is equipped with multiple layers of PTFE V–shaped composite packing, forming a second seal besides bellow, which increases the reliability of the seal. Double sealing design (bellows+packing), if the bellows fails, the valve stem packing will also prevent leakage.
7. Unique casting process, combined with corrosion–resistant alloy, effectively eliminates the corrosion, pore, sand hole and crack etc.
8. The middle flange adopts a mortise and tenon sealing structure, which ensures even in the event of pressure fluctuations of pipeline.
9. The sealing structure of the valve disc adopts cone and flat types, with stable performance and long service life.
10. Large size valves have shockproof structures to reduce noise and protect the seal surface.

TECHNICAL SPECIFICATION

Design standard: GB/T12235, JB/T42315, BS1873

Face to face: GB/T12221, ASME B16.10

Connection standard: HG/T20592, ASME B16.5

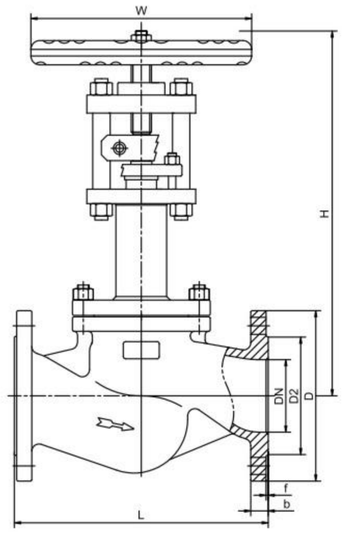
Test and inspection: GB/T26480, API598

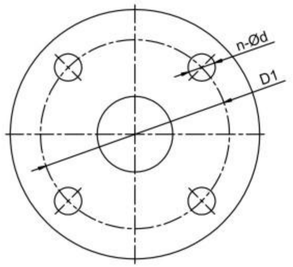
APPLICATION

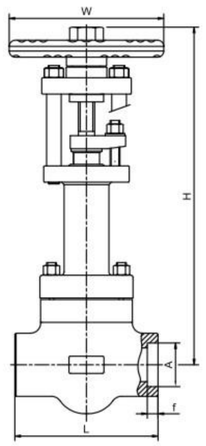
Chlorine gas, liquid chlorine, phosgene, silicon tetrachloride, methane hydride etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		–196℃~600℃	

NAME	MATERIAL
Body	LCB, WCB, HASTELLOY
Seat	STL
Disc	LF2, F304+STL,F316+STL
Upper stem	20Cr13, 17–4PH
Lower stem	20Cr13, F304, F316L, HASTELLOY
Bellow	SS304, SS316Ti, HASTELLOY
Gasket	GRAPHITE+SS, PTFE
Bonnet	LCB, WCB, HASTELLOY
Nut	ASTM A194–7, A194–2H
Bolt	ASTM A320–L7, A193–B7
Packing	GRAPHITE, PTFE
Gland	WCB, SS304
Stem nut	BRASS, D2
Yoke	20Cr13, 304
Handwheel	CS, KTH330







DN	L	D	D1	D2	b	f	n–ϕd	W	H
	PN16								
15	130	95	65	45	16	2	4–ϕ14	ϕ140	290
20	150	105	75	58	18	2	4–ϕ14	ϕ140	290
25	160	115	85	68	18	2	4–ϕ14	ϕ160	300
32	180	140	100	78	18	2	4–ϕ18	ϕ160	300
40	200	150	110	88	18	3	4–ϕ18	ϕ180	375
50	230	165	125	102	18	3	4–ϕ18	ϕ200	380
65	290	185	145	122	18	3	4–ϕ18	ϕ220	400
80	310	200	160	138	20	3	8–ϕ18	ϕ250	465
100	350	220	180	158	20	3	8–ϕ18	ϕ300	490
125	400	250	210	188	22	3	8–ϕ18	ϕ350	670
150	480	285	240	212	22	3	8–ϕ22	ϕ350	690
200	600	340	295	268	24	3	12–ϕ22	ϕ450	840
250	730	405	355	320	26	3	12–ϕ26	ϕ600	1010
300	850	460	410	378	28	4	12–ϕ26	ϕ600	1180
	PN25								
15	130	95	65	45	16	2	4–ϕ14	ϕ140	290
20	150	105	75	58	18	2	4–ϕ14	ϕ140	290
25	160	115	85	68	18	2	4–ϕ14	ϕ160	300
32	180	140	100	78	18	2	4–ϕ18	ϕ160	300
40	200	150	110	88	18	3	4–ϕ18	ϕ180	375
50	230	165	125	102	20	3	4–ϕ18	ϕ200	380
65	290	185	145	122	22	3	8–ϕ18	ϕ220	400
80	310	200	160	138	24	3	8–ϕ18	ϕ250	465
100	350	235	190	162	24	3	8–ϕ22	ϕ300	490
125	400	270	220	188	26	3	8–ϕ26	ϕ350	670
150	480	300	250	218	28	3	8–ϕ26	ϕ350	690
200	600	360	310	278	30	3	12–ϕ26	ϕ450	840
250	730	425	370	335	32	3	12–ϕ30	ϕ600	1010
300	850	485	430	395	34	4	16–ϕ30	ϕ600	1180
	PN40								
15	130	95	65	45	16	2	4–ϕ14	Φ140	290
20	150	105	75	58	18	2	4–ϕ14	ϕ140	290
25	160	115	85	68	18	2	4–ϕ14	ϕ160	300
32	180	140	100	78	18	2	4–ϕ18	ϕ160	300
40	200	150	110	88	18	3	4–ϕ18	ϕ180	375
50	230	165	125	102	20	3	4–ϕ18	ϕ200	380
65	290	185	145	122	22	3	8–ϕ18	ϕ220	400
80	310	200	160	138	24	3	8–ϕ18	ϕ250	465
100	350	235	190	162	24	3	8–ϕ22	ϕ300	490
125	400	270	220	188	26	3	8–ϕ26	ϕ350	670
150	480	300	250	218	28	3	8–ϕ26	ϕ350	690
200	600	375	320	285	34	3	12–ϕ30	ϕ450	840
250	730	450	385	345	38	3	12–ϕ33	ϕ600	1010
300	850	515	450	410	42	4	16–ϕ33	ϕ600	1180

WJ41H CHLORINE GLOBE VALVE



1. Forged steel bellows sealed globe valves have a more uniform structure, higher density, smaller dimensional errors, and better strength compared to casting material.
2. Forged material has better mechanical performance than casting, in application of strong stress corrosion and crystal corrosion, it ensures longer service life.
3. When in close position, the conical sealing surface with a scraping effect can automatically remove surface impurities, ensure reliable sealing and longer service life of the valve disc. Conical disc can achieve larger sealing strength in same close pressure, it's easier to close and providing better sealing performance.
4. The sealing design combining bellows and packing, static sealing and dynamic sealing, fully meets the zero leakage requirements. Reduce leakage by the wear out of traditional packing, which meets international and domestic sealing standards.
5. Bellows with 100% helium testing, valves with 100% strength and seal testing according to standards to ensure zero leakage of the product.
6. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

TECHNICAL SPECIFICATION

Design standard: JB/T7746, JB/T42315, BS1873

Face to face: GB/T12221, ASME B16.10

Connection standard: HG/T20592, ASME B16.5

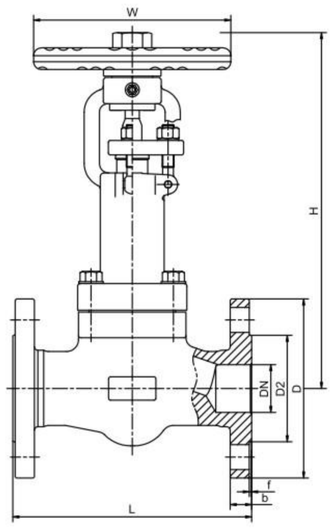
Test and inspection: GB/T26480, API598

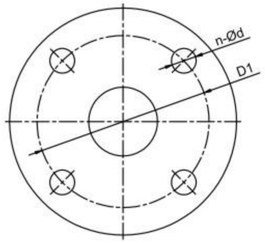
APPLICATION

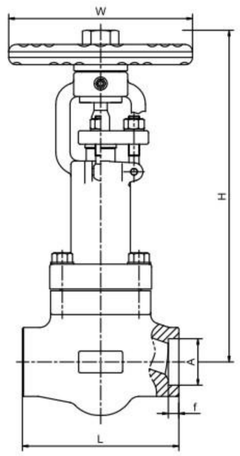
Chlorine gas, liquid chlorine, phosgene, silicon tetrachloride, methane hydride etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	LF2, F304, F316L
Seat	STL
Disc	F316+STL
Pin	SS304, SS316L, HASTELLOY
Bellow	SS304, SS316L, HASTELLOY
Stem	SS304, SS316L, HASTELLOY
Gasket	GRAPHITE+SS, PTFE
Bonnet	LF2, F304, F316L
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A320-B7, A193-B8
Packing	GRAPHITE, PTFE
Gland	A105, F304
Stem nut	BRASS, D2
Yoke	20Cr13, 304
Handwheel	CS, KTH330
Cap	A105







DN	L	D	D1	D2	b	f	n-φd	W	H
	PN16-PN40								
15	130	95	65	45	16	2	4-φ14	φ140	205
20	150	105	75	58	18	2	4-φ14	φ140	205
25	160	115	85	68	18	2	4-φ14	φ160	225
32	180	140	100	78	18	2	4-φ18	φ160	240
40	200	150	110	88	18	3	4-φ18	φ180	305
50	230	165	125	102	20	3	4-φ18	φ200	325
PN63									
15	170	105	75	45	20	2	4-φ14	φ140	205
20	190	130	90	58	22	2	4-φ18	φ140	205
25	210	140	100	68	24	2	4-φ18	φ160	225
32	230	155	110	78	26	2	4-φ22	φ160	240
40	260	170	125	88	28	3	4-φ22	φ180	305
50	300	180	135	102	26	3	4-φ22	φ200	325
150LB									
1/2"	108	90	60.3	35	8	2	4-φ16	φ140	205
3/4"	117	100	69.9	43	8.9	2	4-φ16	φ140	205
1"	127	110	79.4	51	9.6	2	4-φ16	φ160	225
1 1/4"	140	115	88.9	63.5	11.2	2	4-φ16	φ160	240
1 1/2"	165	125	98.4	73	12.7	2	4-φ16	φ180	305
2"	203	150	120.7	92	14.3	2	4-φ19	φ200	325
300LB									
1/2"	152	95	66.7	35	12.7	2	4-φ16	φ140	205
3/4"	178	115	82.6	43	14.3	2	4-φ19	φ140	205
1"	203	125	88.9	51	15.9	2	4-φ19	φ160	225
1 1/4"	216	135	98.4	63.5	17.5	2	4-φ19	φ160	240
1 1/2"	229	155	114.3	73	19.1	2	4-φ22	φ180	305
2"	267	165	127	92	20.7	2	8-φ19	φ200	325

DN	L	A	f	W	H
	PN16-PN100 (150-600LB)				
15	79	21.8	9.6	φ140	205
20	92	27.4	12.7	φ140	205
25	111	34.2	12.7	φ160	225
32	120	42.9	12.7	φ160	240
40	152	48.8	12.7	φ180	305
50	172	61.1	15.6	φ200	325

WJ41H CHLORINE GLOBE VALVE



1. Bonnet is designed with a long neck, and the bellow is enclosed in bonnet space to prevent erosion. Bellow is designed in extend size to reduce their expansion rate and enhance their fatigue resistance.

2. Bellow is formed by automatic insulation rolling welding, which integrates the bellow, valve stem, and packing box into a sealed metal barrier, ensuring zero leakage of the valve stem.

3. Bellow has undergone 100% micro leakage testing and meets the international standard ISO15848–A.

4. The packing box is equipped with multiple layers of PTFE V–shaped composite packing, forming a second seal besides bellow, which increases the reliability of the seal. Double sealing design (bellows+packing), if the bellows fails, the valve stem packing will also prevent leakage.

5. Unique casting process, combined with corrosion–resistant alloy, effectively eliminates the corrosion, pore, sand hole and crack etc.

6. Bonnet without any welding, remove the possibility of leakage.

7.The middle flange adopts a mortise and tenon sealing structure, which ensures even in the event of pressure fluctuations of pipeline.

8. The sealing structure of the valve disc adopts PTFE lined, with stable performance and long service life.

9. Large size valves have shockproof structures to reduce noise and protect the seal surface.

TECHNICAL SPECIFICATION

Design standard: GB/T12235, JB/T42315, BS1873

Face to face: GB/T12221, ASME B16.10

Connection standard: HG/T20592, ASME B16.5

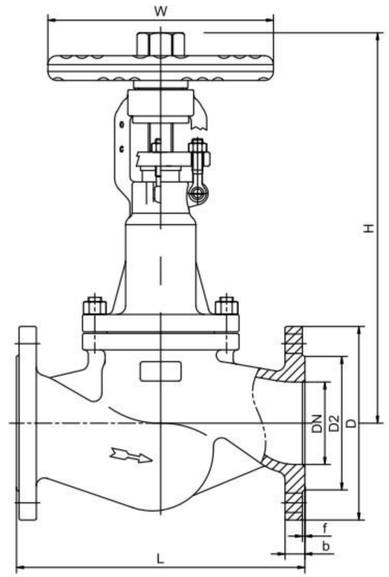
Test and inspection: GB/T26480, API598

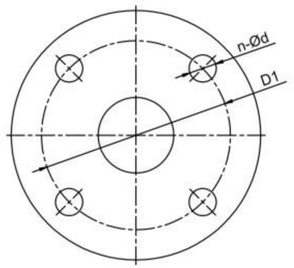
APPLICATION

Chlorine gas, liquid chlorine, phosgene, silicon tetrachloride, methane hydride etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		–196℃~600℃	

NAME	MATERIAL
Body	LCB, WCB, HASTELLOY
Seat	STL
Disc	LF2, F304+STL,F316+STL
Upper stem	20Cr13, 17–4PH
Lower stem	20Cr13, F304, F316L, HASTELLOY
Bellow	SS304, SS316Ti, HASTELLOY
Gasket	GRAPHITE+SS, PTFE
Bonnet	LCB, WCB, HASTELLOY
Nut	ASTM A194–7, A194–2H
Bolt	ASTM A320–L7, A193–B7
Packing	GRAPHITE, PTFE
Gland	WCB, SS304
Stem nut	BRASS, D2
Yoke	20Cr13, 304
Handwheel	CS, KTH330





DN	L	D	D1	D2	b	f	n–ϕd	W	H
	PN16								
65	290	185	145	122	18	3	4–ϕ18	ϕ220	365
80	310	200	160	138	20	3	8–ϕ18	ϕ250	405
100	350	220	180	158	20	3	8–ϕ18	ϕ300	490
125	400	250	210	188	22	3	8–ϕ18	ϕ350	460
150	480	285	240	212	22	3	8–ϕ22	ϕ350	590
200	600	340	295	268	24	3	12–ϕ22	ϕ450	820
250	730	405	355	320	26	3	12–ϕ26	ϕ600	900
300	850	460	410	378	28	4	12–ϕ26	ϕ600	1000
	PN25								
65	290	185	145	122	22	3	8–ϕ18	ϕ220	365
80	310	200	160	138	24	3	8–ϕ18	ϕ250	405
100	350	235	190	162	24	3	8–ϕ22	ϕ300	490
125	400	270	220	188	26	3	8–ϕ26	ϕ350	460
150	480	300	250	218	28	3	8–ϕ26	ϕ350	590
200	600	360	310	278	30	3	12–ϕ26	ϕ450	820
250	730	425	370	335	32	3	12–ϕ30	ϕ600	900
300	850	485	430	395	34	4	16–ϕ30	ϕ600	1000
	PN40								
65	290	185	145	122	22	3	8–ϕ18	ϕ220	365
80	310	200	160	138	24	3	8–ϕ18	ϕ250	405
100	350	235	190	162	24	3	8–ϕ22	ϕ300	490
125	400	270	220	188	26	3	8–ϕ26	ϕ350	460
150	480	300	250	218	28	3	8–ϕ26	ϕ350	590
200	600	375	320	285	34	3	12–ϕ30	ϕ450	820
250	730	450	385	345	38	3	12–ϕ33	ϕ600	900
300	850	515	450	410	42	4	16–ϕ33	ϕ600	1000

WJ641H CHLORINE PNEUMATIC CUT OFF VALVE



1. Bonnet is designed with a long neck, and the bellow is enclosed in bonnet space to prevent erosion; Bellow is designed in extend size to reduce their expansion rate and enhance their fatigue resistance.
2. Bellow is formed by automatic insulation rolling welding, which integrates the bellow, valve stem, and packing box into a sealed metal barrier, ensuring zero leakage of the valve stem.
3. Bellow has undergone 100% micro leakage testing and meets the international standard ISO15848–A.
4. The packing box is equipped with multiple layers of PTFE V–shaped composite packing, forming a second seal besides bellow, which increases the reliability of the seal. Double sealing design (bellows+packing), if the bellows fails, the valve stem packing will also prevent leakage.
5. Unique casting process, combined with corrosion–resistant alloy, effectively eliminates the corrosion, pore, sand hole and crack etc.
6. Bonnet without any welding, remove the possibility of leakage.
7. The middle flange adopts a mortise and tenon sealing structure, which ensures even in the event of pressure fluctuations of pipeline.
8. The sealing structure of the valve disc adopts PTFE lined, with stable performance and long service life.
9. Explosion proof accessories, equipped with handwheel cylinder cushion actuator, high safety, sensitive and reliable action.

TECHNICAL SPECIFICATION

Design standard: GB/T12235, JB/T42315, BS1873

Face to face: GB/T12221, ASME B16.10

Connection standard: HG/T20592, ASME B16.5

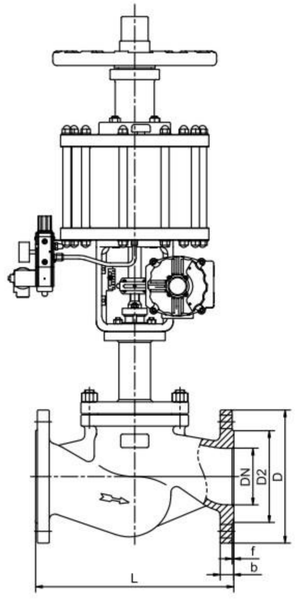
Test and inspection: GB/T26480, API598

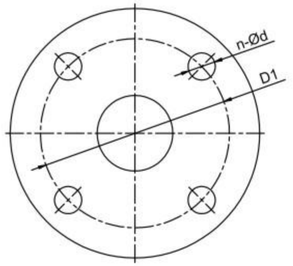
APPLICATION

Chlorine gas, liquid chlorine, phosgene, silicon tetrachloride, methane hydride etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		–196℃~600℃	

NAME	MATERIAL
Body	LCB, WCB, HASTELLOY
Seat	STL
Disc	F304+STL, F316+STL, PTFE
Stem	20Cr13, SS304, SS316L, HASTELLOY
Bellow	SS304, SS316Ti, HASTELLOY
Gasket	GRAPHITE+SS, PTFE
Bonnet	LCB, WCB, HASTELLOY
Nut	ASTM A194–7, A194–2H
Bolt	ASTM A320–L7, A193–B7
Packing	GRAPHITE, PTFE
Gland	WCB, F304
Actuator	/



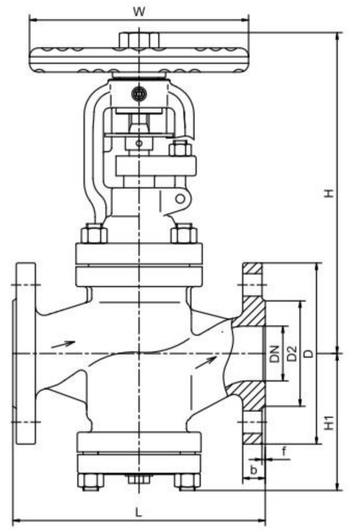


DN	L	D	D1	D2	b	f	n–ϕd
	PN16						
65	290	185	145	122	18	3	4–ϕ18
80	310	200	160	138	20	3	8–ϕ18
100	350	220	180	158	20	3	8–ϕ18
125	400	250	210	188	22	3	8–ϕ18
150	480	285	240	212	22	3	8–ϕ22
200	600	340	295	268	24	3	12–ϕ22
	PN25						
65	290	185	145	122	22	3	8–ϕ18
80	310	200	160	138	24	3	8–ϕ18
100	350	235	190	162	24	3	8–ϕ22
125	400	270	220	188	26	3	8–ϕ26
150	480	300	250	218	28	3	8–ϕ26
200	600	360	310	278	30	3	12–ϕ26
	PN40						
65	290	185	145	122	22	3	8–ϕ18
80	310	200	160	138	24	3	8–ϕ18
100	350	235	190	162	24	3	8–ϕ22
125	400	270	220	188	26	3	8–ϕ26
150	480	300	250	218	28	3	8–ϕ26
200	600	375	320	285	34	3	12–ϕ30
	150LB						
2 1/2"	216	180	139.7	105	15.9	2	4–ϕ19
3"	241	190	152.4	127	17.5	2	4–ϕ19
4"	292	230	190.5	157	22.3	2	8–ϕ19
5"	356	255	215.9	186	22.3	2	8–ϕ22
6"	406	280	241.3	216	23.9	2	8–ϕ22
8"	495	345	298.5	270	27	2	8–ϕ22
	300LB						
2 1/2"	292	190	149.2	105	23.9	2	8–ϕ22
3"	318	210	168.3	127	27	2	8–ϕ22
4"	356	255	200	157	30.2	2	8–ϕ22
5"	400	280	235	186	33.4	2	8–ϕ22
6"	444	320	269.9	216	35	2	12–ϕ22
8"	559	380	330.2	270	39.7	2	12–ϕ26

GWJ41H STRAINER TYPE BELLOW GLOBE VALVE



1. Integral design with strainer and bellow globe valve.
2. In close position, it can maintenance for filter, no need add extra globe valve.
3. Integral valve cover design suitable for application with high pressure fluctuations.
4. Bonnet is designed with a long neck, and the bellow is enclosed in bonnet space to prevent erosion. Bellow is designed in extend size to reduce their expansion rate and enhance their fatigue resistance.
5. Extra drain plug valve can be added for easy maintenance.



TECHNICAL SPECIFICATION

Design standard: EN13709, GB/T12224

Face to face: EN558, GB/T12221

Connection standard: EN1092, HG/T20592

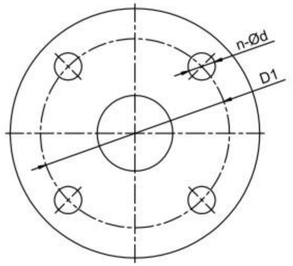
Test and inspection: EN12266, GB/T26480

APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body, Bonnet	CF8, CF3M
Stem, Disc	SS304
Disc Seal Gasket	PTFE, RPTFE
Body Seal Gasket	PTFE
Stem Seal Gasket	PTFE+NBR, RPTFE+FKM
Spring	60Si2Mn
Actuator Sleeve	CF8
Piston Ring	NBR, FKM
Indicator	ABS



DN	L	D	D1	D2	b	f	n-ϕd	W	H	H1
	PN16									
15	130	95	65	45	16	2	4-ϕ14	ϕ140	186	90
20	150	105	75	58	18	2	4-ϕ14	ϕ140	186	90
25	160	115	85	68	18	2	4-ϕ14	ϕ160	201	95
32	180	140	100	78	18	2	4-ϕ18	ϕ160	204	102
40	200	150	110	88	18	3	4-ϕ18	ϕ200	240	115
50	230	165	125	102	18	3	4-ϕ18	ϕ220	265	128
65	290	185	145	122	18	3	4-ϕ18	ϕ220	270	132
80	310	200	160	138	20	3	8-ϕ18	ϕ250	293	140
100	350	220	180	158	20	3	8-ϕ18	ϕ300	391	160
125	400	250	210	188	22	3	8-ϕ18	ϕ350	440	172
150	480	285	240	212	22	3	8-ϕ22	ϕ350	490	180
	PN25									
15	130	95	65	45	16	2	4-ϕ14	ϕ140	186	90
20	150	105	75	58	18	2	4-ϕ14	ϕ140	186	90
25	160	115	85	68	18	2	4-ϕ14	ϕ160	201	95
32	180	140	100	78	18	2	4-ϕ18	ϕ160	204	102
40	200	150	110	88	18	3	4-ϕ18	ϕ200	240	115
50	230	165	125	102	20	3	4-ϕ18	ϕ220	265	128
65	290	185	145	122	22	3	8-ϕ18	ϕ220	270	132
80	310	200	160	138	24	3	8-ϕ18	ϕ250	293	140
100	350	235	190	162	24	3	8-ϕ22	ϕ300	391	160
125	400	270	220	188	26	3	8-ϕ26	ϕ350	440	172
150	480	300	250	218	28	3	8-ϕ26	ϕ350	490	180
	PN40									
15	130	95	65	45	16	2	4-ϕ14	ϕ140	186	90
20	150	105	75	58	18	2	4-ϕ14	ϕ140	186	90
25	160	115	85	68	18	2	4-ϕ14	ϕ160	201	95
32	180	140	100	78	18	2	4-ϕ18	ϕ160	204	102
40	200	150	110	88	18	3	4-ϕ18	ϕ200	240	115
50	230	165	125	102	20	3	4-ϕ18	ϕ220	265	128
65	290	185	145	122	22	3	8-ϕ18	ϕ220	270	132
80	310	200	160	138	24	3	8-ϕ18	ϕ250	293	140
100	350	235	190	162	24	3	8-ϕ22	ϕ300	391	160
125	400	270	220	188	26	3	8-ϕ26	ϕ350	440	172
150	480	300	250	218	28	3	8-ϕ26	ϕ350	490	180

QD260 QD261 PNEUMATIC TWO WAY CONTROL VALVE





1.Reversible pneumatic actuator, actuator with rolling diaphragm.

2.Air supply pressure max. 6 bar.

3.Stem protection by bellow, maintenance–free, O–ring sealing.

4.Assembly of additional devices acc. to DN IEC 60534–6.

MODEL

Actuator Valve

□ □ □ □ □

- Stem seal: 0–packing, 1–bellow
- Flow direction: 6–mix, 7–divert, two way is default 6
- Flow pattern: 2–two way, 3–three way
- Actuator: QD–pneumatic, DD–electric

QD361–pneumatic three way bellow type mix control valve,
DD260–electric two way packing type control valve.

TECHNICAL SPECIFICATION

Design standard: GB/T4213

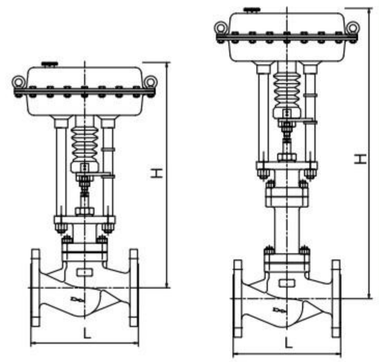
Connection standard: DIN2543–2545

Test and inspection: GB/T4213

APPLICATION

Steam, hot and cold water, oil, air etc.

NAME	MATERIAL
Body	GS–C25, CF8, CF8M
Bonnet	GS–C25, CF8, CF8M
Seat	20Cr13, SS304+STL
Disc	F304+STL
Stem	20Cr13, SS304
Packing	GRAPHITE, PTFE
Gasket	GRAPHITE+SS, PTFE
Bonnet	GS–C25, 1.0619, CF8, CF8M, CF3M
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8



DN			15	20	25	32	40	50	65	80	100
L		(mm)	130	150	160	180	200	230	290	310	350
QD260	QD29	H(mm)	442	442	450	450	457	463	465	480	499
		PN16 (Kg)	13	13	14	16	18	21	26	31	42
		PN40 (Kg)	13	14	15	17	19	22	29	35	48
	QD39	H(mm)	497	497	505	505	512	518	531	546	565
		PN16 (Kg)	19	19	20	22	24	27	32	37	48
		PN40 (Kg)	19	20	21	23	25	28	35	41	54
QD261	QD29	H(mm)	627	627	635	635	626	628	701	713	729
		PN16 (Kg)	17	17	18	21	23	26	29	40	55
		PN40 (Kg)	19	21	23	26	32	35	42	52	68
	QD39	H(mm)	682	682	690	690	681	383	767	779	795
		PN16 (Kg)	23	23	24	27	29	32	35	46	61
		PN40 (Kg)	25	27	29	32	38	41	48	58	74

DN					15	20	25	32	40	50	65	80	100
Parabolic plug	Normal Kvs			(m³/h)	4	6.3	10	16	25	40	63	100	160
	Reduce Kvs			(m³/h)	2.5	4	6.3	10	16	25	40	63	100
	MAX close Δp			(bar)	40	40	40	40	30	20	8	4	1.5
V–port plug	Kvs–value			(m³/h)	–	–	–	–	–	–	63	100	160
	MAX close Δp			(bar)	–	–	–	–	–	–	30	25	25
Seat				(mm)	21	21	27	31	41	51	66	81	101
Travel				(mm)	20							30	
QD29 250 cm2 Spring closs on air failure	Spring range (bar)	0.2–1.0	Air suppy pressure min.(bar)	1.2	Ⅰ	(bar)	5.5	5.5	2.6	1.6	–	–	–	–	–
					Ⅱ	(bar)	2.3	2.3	–	–	–	–	–	–	–
					Ⅲ	(bar)	–	–	–	–	–	–	–	–	–
		0.4–1.2		1.4	Ⅰ	(bar)	18.6	18.6	10.7	7.8	3.9	2.2	–	–	–
					Ⅱ	(bar)	15.4	15.4	8.7	6.2	3	1.6	–	–	–
					Ⅲ	(bar)	8.6	8.6	7.1	5	1.7	–	–	–	–
		0.8–2.4		2.7	Ⅰ	(bar)	40	40	26.8	20.1	11	6.8	3.7	2.2	1.2
					Ⅱ	(bar)	40	40	24.8	18.6	10.2	6.3	3.2	1.9	1
					Ⅲ	(bar)	26.4	26.4	23.2	17.3	8.9	5.4	2.9	1.7	–
		1.5–2.9		3.2	Ⅰ	(bar)	–	–	40	40	23.5	15	–	–	–
					Ⅱ	(bar)	–	–	40	40	22.7	14.4	–	–	–
					Ⅲ	(bar)	40	40	40	38.9	21.4	13.6	–	–	–
		2.0–3.8		4.1	Ⅰ	(bar)	–	–	–	–	32.5	20.8	–	–	–
					Ⅱ	(bar)	–	–	–	–	31.6	20.2	–	–	–
					Ⅲ	(bar)	–	–	–	40	30.3	19.4	–	–	–
QD39 400 cm2 Spring closs on air failure	Spring range (bar)	0.2–1.0	Air suppy pressure min.(bar)	1.2	Ⅰ	(bar)	13.3	13.3	7.4	5.2	2.4	1.2	–	–	–
					Ⅱ	(bar)	10.1	10.1	5.4	3.7	1.5	–	–	–	–
					Ⅲ	(bar)	5	5	3.8	2.5	–	–	–	–	–
		0.4–1.2		1.4	Ⅰ	(bar)	34.2	34.2	20.2	15.1	8.1	4.9	2.5	1.4	–
					Ⅱ	(bar)	31	31	18.3	13.6	7.3	4.4	2.1	1.1	–
					Ⅲ	(bar)	19.1	19.1	16.6	12.3	5.9	3.5	1.8	–	–
		0.8–2.4		2.7	Ⅰ	(bar)	40	40	40	34.7	19.5	12.3	7	4.4	2.6
					Ⅱ	(bar)	40	40	40	33.2	18.6	11.8	6.5	4.1	2.4
					Ⅲ	(bar)	40	40	40	31.9	17.3	10.9	6.2	3.9	2.3
		0.5–3.0		3.3	Ⅰ	(bar)	–	–	–	–	–	–	14.8	9.6	6
					Ⅱ	(bar)	–	–	–	–	–	–	14.3	9.3	5.8
					Ⅲ	(bar)	–	–	–	–	–	–	14	9.1	5.7
		1.7–2.7		3.1	Ⅰ	(bar)	–	–	–	40	40	29	–	–	–
					Ⅱ	(bar)	–	–	–	40	40	28.4	–	–	–
					Ⅲ	(bar)	–	–	–	40	40	27.6	–	–	–
		2.0–4.0		4.5	Ⅰ	(bar)	–	–	–	–	–	–	20.3	13.3	8.4
					Ⅱ	(bar)	–	–	–	–	–	–	19.9	12.9	8.2
					Ⅲ	(bar)	–	–	–	–	–	–	19.6	12.8	8.1
		2.3–3.7		4.5	Ⅰ	(bar)	–	–	–	–	–	40	–	–	–
					Ⅱ	(bar)	–	–	–	–	–	39.5	–	–	–
					Ⅲ	(bar)	–	–	–	–	–	38.6	–	–	–

Ⅰ–QD260 PTFE V–ring，Ⅱ–QD260 PTFE/Graphite packing，Ⅲ–QD261 bellow seal

QD360 QD361 QD370 QD371 PNEUMATIC THREE WAY CONTROL VALVE



1.Reversible pneumatic actuator, actuator with rolling diaphragm.
2.Air supply pressure max. 6 bar.
3.Stem protection by bellow, maintenance–free, O–ring sealing.
4.Assembly of additional devices acc. to DN IEC 60534–6.

MODEL

Actuator Valve

□ □ □ □ □

- Stem seal: 0–packing, 1–bellow
- Flow direction: 6–mix, 7–divert, two way is default 6
- Flow pattern: 2–two way, 3–three way
- Actuator: QD–pneumatic, DD–electric

QD361–Pneumatic three way bellow type mix control valve,

DD260–Electric two way packing type control valve.

NAME	MATERIAL
Body	GS–C25, CF8, CF8M
Bonnet	GS–C25, CF8, CF8M
Seat	20Cr13, SS304+STL
Disc	F304+STL
Stem	20Cr13, SS304
Packing	GRAPHITE, PTFE
Gasket	GRAPHITE+SS, PTFE
Bonnet	GS–C25, 1.0619, CF8, CF8M, CF3M
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8

TECHNICAL SPECIFICATION

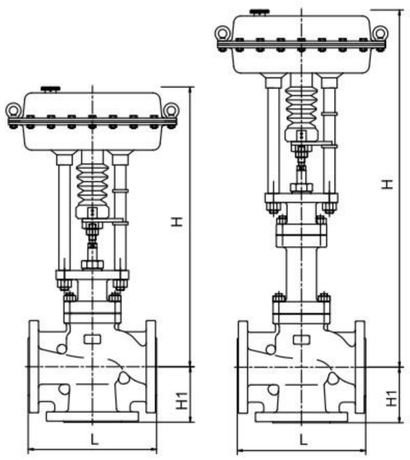
Design standard: GB/T4213

Connection standard: DIN2543–2545

Test and inspection: GB/T4213

APPLICATION

Steam, hot and cold water, oil, air etc.



DN				15	20	25	32	40	50	65	80	100
L			(mm)	130	150	160	180	200	230	290	310	350
H1			(mm)	65	70	75	80	90	100	120	130	150
QD29 A=250 (mm)	QD360	H	(mm)	450	450	454	480	486	484	520	536	555
		PN16	(Kg)	14.1	15.1	16.1	18.7	22	25.8	32.5	39	56
		PN25/40	(Kg)	14.6	15.7	16.7	19.6	23.2	27.3	34.6	41.6	60
	QD361	H	(Kg)	635	635	639	665	655	649	755	768	784
		PN16	(Kg)	17.1	18.1	19.3	21.7	26.5	29.7	38.8	48.7	66
		PN25/40	(Kg)	17.8	18.9	20.2	22.8	28.1	31.6	41.5	52.3	72
QD39 A=300 (mm)	QD360	H	(Kg)	505	505	509	535	541	539	575	591	610
		PN16	(Kg)	20.1	21.1	22.1	24.7	28	31.8	38.5	45	62
		PN25/40	(Kg)	20.6	21.7	22.7	25.6	29.2	33.3	40.6	47.6	66
	QD361	H	(Kg)	690	690	694	720	710	704	810	823	839
		PN16	(Kg)	23.1	24.1	25.3	27.7	32.5	35.7	44.8	54.7	72
		PN25/40	(Kg)	23.8	24.9	26.2	28.8	34.1	37.6	47.5	58.3	78

MIXING FUNCTION

DN						15	20	25	32	40	50	65	80	100
Normal Kvs					(m3/h)	4	6.3	10	16	25	40	63	100	160
Reduce Kvs					(m3/h)	2.5	4	6.3	10	16	25	40	63	100
Seat					(mm)	21/20	21/20	27/27	31/32	41/40	51/50	66/60	81/75	101/95
Travel					(mm)	20							30	
MAX close Δp					(bar)	40	40	40	40	30	30	30	25	25
QD29 250 cm2	Spring closs on air failure	Spring range (bar)	Air suppy pressure min.(bar)	1.2	I	(bar)	5.5	3.3	2.6	1.4	–	–	–	–
		0.2–1.0			II	(bar)	2.3	1	–	–	–	–	–	–
					III	(bar)	–	–	–	–	–	–	–	–
		0.4–1.2		1.6	I	(bar)	18.6	12.6	10.7	7.2	3.9	2.2	–	–
					II	(bar)	15.4	10.3	8.7	5.8	3	1.6	–	–
					III	(bar)	8.6	8	7.1	4.6	1.7		–	–
		0.8–2.4		3.2	I	(bar)	40	31.4	26.8	18.8	11	6.8	3.7	2.2
					II	(bar)	40	29.1	24	18.6	10.2	6.3	3.2	1.9
					III	(bar)	26.4	25.7	23.2	16.2	8.9	5.4	2.9	1.7
		1.5–2.5		4.0	I	(bar)	–	40	40	39.1	23.5	15	–	–
					II	(bar)	–	40	40	37.7	22.7	14.4	–	–
					III	(bar)	40	40	40	36.5	21.4	13.6	–	–
		2.0–3.5		5.3	I	(bar)	–	–	–	40	32.5	20.8	–	–
					II	(bar)	–	–	–	40	31.6	20.2	–	–
					III	(bar)	–	–	–	40	30.3	19.4	–	–
QD39 400 cm2	Spring closs on air failure	Spring range (bar)	Air suppy pressure min.(bar)	1.2	I	(bar)	13.3	8.8	7.4	4.9	2.4	1.2	–	–
		0.2–1.0			II	(bar)	10.1	6.5	5.4	3.4	1.6	–	–	–
					III	(bar)	5	4.3	3.8	2.2	–	–	–	–
		0.4–1.2		1.6	I	(bar)	34.2	23.7	20.2	14.1	8.1	4.9	2.5	1.4
					II	(bar)	31	21.4	18.3	12.7	7.3	4.4	2.1	1.1
					III	(bar)	19.1	18.5	16.6	11.5	5.9	3.5	1.8	–
		0.8–2.4		3.2	I	(bar)	40	40	40	32.5	19.5	12.3	7	4.4
					II	(bar)	40	40	40	31.1	18.6	11.8	6.5	4.1
					III	(bar)	40	40	40	29.9	17.3	10.9	6.2	3.9
		1.5–3.0		4.5	I	(bar)	–	–	–	–	–	–	14.8	9.6
					II	(bar)	–	–	–	–	–	–	14.3	9.3
					III	(bar)	–	–	–	–	–	–	14	9.1
		1.7–2.7		4.4	I	(bar)	–	–	–	40	40	29	–	–
					II	(bar)	–	–	–	40	40	28.4	–	–
					III	(bar)	–	–	–	40	40	27.6	–	–
		2.0–4.0 (2.3–3.7)		6.0 (6.0)	I	(bar)	–	–	–	–	–	(40)	20.3	13.3
					II	(bar)	–	–	–	–	–	(39.5)	19.9	12.9
					III	(bar)	–	–	–	–	–	(38.7)	19.6	12.8

DEVERTING FUNCTION

DN						15	20	25	32	40	50	65	80	100
Normal Kvs					(m3/h)	4	6.3	10	16	14	25	45	60	95
Reduce Kvs					(m3/h)	2.5	4	6.3	10	/	/	/	/	/
Seat					(mm)	21/20	21/25	27/27	31/32	40/40	50/50	60/60	75/75	90/90
Travel					(mm)	20							30	
MAX close Δp					(bar)	40	40	40	40	30	30	30	25	25
QD29 250 cm²	Spring closs on air failure	Spring range (bar)	Air suppy pressure min.(bar)	1.2	I	(bar)	2.7	1.6	1.3	–	–	–	–	–
		0.2–1.0			II	(bar)	1.1	–	–	–	–	–	–	–
					III	(bar)	–	–	–	–	–	–	–	–
		0.4–1.2		1.6	I	(bar)	9.3	6.3	5.3	3.6	4.1	2.3	1.2	–
					II	(bar)	7.7	5.2	4.3	2.9	3.2	1.7	–	–
					III	(bar)	4.3	4	3.5	2.3	1.9	–	–	–
		0.8–2.4		3.2	I	(bar)	22.5	15.7	13.4	9.4	11.6	7.1	4.5	2.7
					II	(bar)	20.8	14.5	12.4	8.7	10.6	6.5	4	2.3
					III	(bar)	13.2	12.9	11.6	8.1	9.3	5.6	3.7	2.1
		1.5–2.5		4.0	I	(bar)	40	32.1	27.5	19.6	24.5	15.4	–	–
					II	(bar)	28.7	28.4	25.7	18.3	23.6	14.8	–	–
					III	(bar)	28.7	28.4	25.7	18.3	22.3	14	–	–
		2.0–3.3		5.3	I	(bar)	40	40	37.6	26.8	33.8	21.4	–	–
					II	(bar)	40	40	36.6	26.1	32.9	20.8	–	–
					III	(bar)	39.8	39.5	35.5	25.5	31.6	19.9	–	–
QD39 400 cm²	Spring closs on air failure	Spring range (bar)	Air suppy pressure min.(bar)	1.2	I	(bar)	6.6	4.4	3.7	2.4	2.6	1.3	–	–
		0.2–1.0			II	(bar)	5	3.3	2.7	1.7	1.7	–	–	–
					III	(bar)	2.5	2.2	1.9	1.1	–	–	–	–
		0.4–1.2		1.6	I	(bar)	17.1	11.9	10.1	7	8.5	5.1	3.2	1.8
					II	(bar)	15.5	10.7	9.1	6.3	7.6	4.5	2.6	1.4
					III	(bar)	9.6	9.2	8.3	5.7	6.3	3.6	2.3	1.2
		0.8–2.4		3.2	I	(bar)	38	26.8	23	16.3	20.3	12.7	8.5	5.2
					II	(bar)	36.4	25.6	22	15.6	19.4	12.1	8	4.9
					III	(bar)	23.7	23.4	21.2	15	18	11.3	7.6	4.7
		1.5–3.0		4.5	I	(bar)	–	–	–	–	–	–	17.9	11.2
					II	(bar)	–	–	–	–	–	–	17.3	10.9
					III	(bar)	–	–	–	–	–	–	17	10.7
		1.7–2.7		4.4	I	(bar)	40	40	40	37	40	29.8	–	–
					II	(bar)	40	40	40	36.3	40	29.3	–	–
					III	(bar)	40	40	40	35.7	40	28.4	–	–
		2.0–4.0 (2.3–3.7)		6.0 (6.0)	I	(bar)	–	–	–	(40)	(40)	(40)	24.5	15.5
					II	(bar)	–	–	–	(40)	(40)	(40)	24	15.2
					III	(bar)	–	–	–	(40)	(40)	(39.8)	23.6	15

Ⅰ–QD360 PTFE V–ring，Ⅱ–QD360 PTFE/Graphite packing，Ⅲ–QD361 bellow seal

DD260 DD261 ELECTRIC TWO WAY CONTROL VALVE



1.Enclosure IP65.

2.Two torque switches and 1 travel switch for open and close.

3.Electric actuator with handwheel.

4.Additional devices available, e.g. potentiometer.

TECHNICAL SPECIFICATION

Design standard: GB/T4213

Connection standard: DIN2543–2545

Test and inspection: GB/T4213

APPLICATION

Steam, hot and cold water, oil, air etc.

MODEL

Actuator Valve

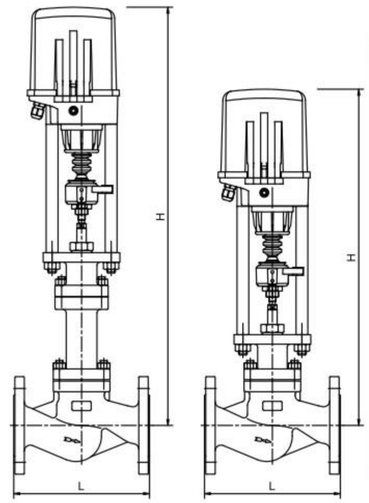
□ □ □ □ □

- Stem seal: 0–packing, 1–bellow
- Flow Direction: 6–mix, 7–divert, Two Way Is Default 6
- Flow pattern: 2–two way, 3–three way
- Actuator: QD–pneumatic, DD–electric

DD361–Pneumatic three way bellow type mixcontrol valve,

DD260–Electric two way packingtype control valve

NAME	MATERIAL
Body	GS–C25, CF8, CF8M
Bonnet	GS–C25, CF8, CF8M
Seat	20Cr13, SS304+STL
Disc	F304+STL
Stem	20Cr13, SS304
Packing	GRAPHITE, PTFE
Gasket	GRAPHITE+SS, PTFE
Bonnet	GS–C25, 1.0619, CF8, CF8M, CF3M
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8



DN			(mm)	15	20	25	32	40	50	65	80	100
L			(mm)	130	150	160	180	200	230	290	310	350
DD260	H		(mm)	556	556	564	564	571	577	590	605	624
	DD	PN16	(Kg)	9	10	11	12	14	17	22	28	38
	3.0KN	PN25/40	(Kg)	10	11	12	13	15	18	25	31	44
	DD	PN16	(Kg)	–	–	12	13	15	18	23	29	39
	5.0KN	PN25/40	(Kg)	–	–	13	14	17	20	27	33	45
	H		(mm)	–	–	–	–	740	746	759	774	793
	DD12/	PN16	(Kg)	–	–	–	–	19	22	27	33	43
	15KN	PN25/40	(Kg)	–	–	–	–	21	24	31	37	49
DD261	H		(mm)	736	736	744	744	733	737	821	833	849
	DD	PN16	(Kg)	13	13	14	17	19	22	25	36	52
	3.0KN	PN25/40	(Kg)	15	17	19	22	28	31	38	48	64
	DD	PN16	(Kg)	15	15	16	18	21	23	26	37	53
	5.0KN	PN25/40	(Kg)	17	18	21	24	30	32	39	49	66
	H		(mm)	–	–	–	–	909	911	995	1007	1023
	DD12/	PN16	(Kg)	–	–	–	–	25	27	30	41	57
	15KN	PN25/40	(Kg)	–	–	–	–	34	36	43	53	70

DN				15	20	25	32	40	50	65	80	100
Normal Kvs			(m3/h)	4	6.3	10	16	25	40	63	100	160
Reduce Kvs			(m3/h)	2.5	4	6.3	10	16	25	40	63	100
Seat			(mm)	21	21	27	31	41	51	66	81	101
Travel			(mm)	20						30		
DD3.0KN	Close pressure	I	(bar)	40	40	30.8	23.1	12.8	8	4.3	2.7	1.5
		II	(bar)	40	40	28.8	21.6	11.9	7.4	3.9	2.3	1.3
		III	(bar)	30.7	30.7	27.1	20.4	10.6	6.5	3.6	2.2	1.2
	Operate teme		(s)	53						79		
DD5.0KN	Close pressure	I	(bar)	–	–	40	40	33.2	21.3	12.3	8	4.9
		II	(bar)	–	–	40	40	32.3	20.7	11.9	7.6	4.7
		III	(bar)	40	40	40	40	31	19.8	11.6	7.5	4.6
	Operate teme		(s)	53						79		
DD12KN	Close pressure	I	(bar)	–	–	–	–	40	40	32.3	21.2	13.5
		II	(bar)	–	–	–	–	40	40	31.8	20.9	13.3
		III	(bar)	–	–	–	–	40	40	31.6	20.7	13.2
	Operate teme		(s)	–	–	–	–	53		79		
DD15KN	Close pressure	I	(bar)	–	–	–	–	–	–	40	26.9	17.2
		II	(bar)	–	–	–	–	–	–	40	26.6	17
		III	(bar)	–	–	–	–	–	–	40	26.4	16.9
	Operate teme		(s)	–	–	–	–	–	–	79		

I–DD260 PTFE V–ring, II–DD260 PTFE/Graphite packing, III–DD261 bellow seal

DD360 DD361 DD370 DD371 ELECTRIC THREE WAY CONTROL VALVE



1.Enclosure IP65.

2.Two torque switches and 1 travel switch for open and close.

3.Electric actuator with handwheel.

4.Additional devices available, e.g. potentiometer.

TECHNICAL SPECIFICATION

Design standard: GB/T4213

Connection standard: DIN2543–2545

Test and inspection: GB/T4213

APPLICATION

Steam, hot and cold water, oil, air etc.

MODEL

Actuator Valve

□ □ □ □ □

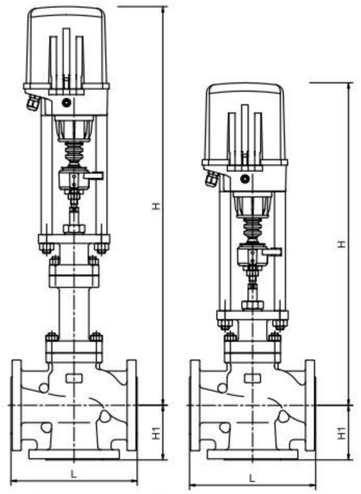
- Stem seal: 0–packing, 1–bellow
- Flow Direction: 6–mix, 7–divert, Two Way Is Default 6
- Flow pattern: 2–two way, 3–three way
- Actuator: QD–pneumatic, DD–electric

QD361–Pneumatic three way bellow type mixcontrol valve,

DD260–Electric two way packingtype control valve

MAIN COMPONENTS MATERIALS

NAME	MATERIAL
Body	GS–C25, CF8, CF8M
Bonnet	GS–C25, CF8, CF8M
Seat	20Cr13, SS304+STL
Disc	F304+STL
Stem	20Cr13, SS304
Packing	GRAPHITE, PTFE
Gasket	GRAPHITE+SS, PTFE
Bonnet	GS–C25, 1.0619, CF8, CF8M, CF3M
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8



DN				15	20	25	32	40	50	65	80	100
L			(mm)	130	150	160	180	200	230	290	310	350
H1			(mm)	65	70	75	80	90	100	120	130	150
DD360 /370	H		(mm)	564	564	568	594	600	598	634	650	669
	DD	PN16	(Kg)	10.5	11.5	12.5	15.1	18.4	22.2	28.9	35.4	52
	3.0KN	PN25/40	(Kg)	11	12.1	13.1	16	19.6	23.7	31	38	56
	DD	PN16	(Kg)	11.6	12.6	13.6	16.2	19.6	23.3	30	36.5	53
	5.0KN	PN25/40	(Kg)	12.1	13.2	14.2	17.1	20.7	24.8	32.1	39.1	57
	H		(mm)	–	–	718	744	750	748	784	800	819
	DD12/	PN16	(Kg)	–	–	17.6	20.2	23.5	27.3	34	40.5	57
	15KN	PN25/40	(Kg)	–	–	18.2	21.1	24.7	28.8	36.1	43.1	61
DD361 /371	H		(mm)	749	749	753	779	769	763	869	882	898
	DD	PN16	(Kg)	13.5	14.5	15.7	18.1	22.9	26.1	35.2	45.1	63
	3.0KN	PN25/40	(Kg)	14.2	15.3	16.6	19.2	24.5	28	37.9	48.7	68
	DD	PN16	(Kg)	14.6	15.6	16.8	19.2	24	27.2	36.3	46.2	64
	5.0KN	PN25/40	(Kg)	15.3	16.4	17.7	20.3	25.6	29.1	39	49.8	69
	H		(mm)	–	–	903	929	919	913	1019	1032	1048
	DD12/	PN16	(Kg)	–	–	20.8	23.2	28	31.2	40.3	50.2	68
	15KN	PN25/40	(Kg)	–	–	21.7	24.3	29.6	33.1	43	53.8	73

MIXING FUNCTION

DN				15	20	25	32	40	50	65	80	100
Normal Kvs			(m3/h)	4	6.3	10	16	25	40	63	100	160
Reduce Kvs			(m3/h)	2.5	4	6.3	10	16	25	40	63	100
Seat			(mm)	21/20	21/20	27/27	31/32	41/40	51/50	66/60	81/75	101/95
Travel			(mm)	20						30		
MAX close Δp			(bar)	40	40	40	40	30	30	30	25	25
DD3.0KN	Close pressure	I	(bar)	40	35.9	30.8	21.7	12.8	8	4.3	2.7	1.5
		II	(bar)	40	33.7	28.8	20.1	11.9	7.4	3.9	2.3	1.3
		III	(bar)	30.7	30.1	27.1	19.1	10.6	6.5	3.6	2.2	1.2
	Operate teme		(s)	53						79		
DD5.0KN	Close pressure	I	(bar)	–	40	40	40	33.2	21.3	12.3	8	4.9
		II	(bar)	–	40	40	40	32.3	20.7	11.9	7.6	4.7
		III	(bar)	40	40	40	40	31	19.8	11.6	7.5	4.6
	Operate teme		(s)	53						79		
DD12KN	Close pressure	I	(bar)	–	–	–	–	40	40	32.3	21.2	13.5
		II	(bar)	–	–	–	–	40	40	31.8	20.9	13.3
		III	(bar)	–	–	–	–	40	40	31.6	20.7	13.2
	Operate teme		(s)	–	–	–	–	53		79		
DD15KN	Close pressure	I	(bar)	–	–	–	–	–	–	40	26.9	17.2
		II	(bar)	–	–	–	–	–	–	40	26.6	17
		III	(bar)	–	–	–	–	–	–	40	26.4	16.9
	Operate teme		(s)	–	–	–	–	–	–	79		

DEVERTING FUNCTION

DN				15	20	25	32	40	50	65	80	100
Normal Kvs			(m3/h)	4	6.3	10	16	14	25	45	60	95
Reduce Kvs			(m3/h)	2.5	4	6.3	10	–	–	–	–	–
Seat			(mm)	21/20	21/20	27/27	31/32	40/40	50/50	60/60	75/75	90/90
Travel			(mm)	20						30		
MAX close Δp			(bar)	40	40	40	40	30	30	30	25	25
DD3.0KN	Close pressure	I	(bar)	25.7	18	15.4	10.8	13.4	8.2	5.4	3.2	2
		II	(bar)	24.1	16.8	14.4	10.1	12.5	7.6	4.8	2.8	1.8
		III	(bar)	15.4	15	13.6	9.5	11.1	6.8	4.5	2.6	1.6
	Operate teme		(s)	53						79		
DD5.0KN	Close pressure	I	(bar)	40	40	38.5	27.4	34.6	21.9	15	9.4	6.4
		II	(bar)	40	40	37.5	26.7	33.7	21.3	14.4	9	6.1
		III	(bar)	40	40	36.6	26.1	32.3	20.4	14.1	8.8	6
	Operate teme		(s)	53						79		
DD12KN	Close pressure	I	(bar)	–	–	40	40	40	40	38.9	24.8	17.1
		II	(bar)	–	–	40	40	40	40	38.4	24.4	16.9
		III	(bar)	–	–	40	40	40	40	38	24.2	16.7
	Operate teme		(s)	–	–	–	–	53		79		
DD15KN	Close pressure	I	(bar)	–	–	–	–	–	–	40	31.4	21.7
		II	(bar)	–	–	–	–	–	–	40	31.1	21.5
		III	(bar)	–	–	–	–	–	–	40	30.8	21.3
	Operate teme		(s)	–	–	–	–	–	–	79		

I–DD360 PTFE V–ring, II–DD360 PTFE/Graphite packing, III–DD361 bellow seal

ZJHP PNEUMATIC SINGLE SEAT CONTROL VALVE



1.Structure: equal cross-section low flow resistance pattern, high rated flow coefficient.

2. Regulation type: large adjustable range, flow characteristics can be selected as equal percentage or linear.

3. Sealing performance: can choose soft seal or bellow seal to improve sealing performance.

4. Widely use: various valve seat structures, heat sinks, suitable for different pressure and temperature.

TECHNICAL SPECIFICATION

Design standard: GB/T4213

Connection standard: HG/T20592, ASME B16.5

Test and inspection: GB/T4213

SELECTION SPECIFICATION

Action mode: air open, air closed.

Seat structure: single seat type, sleeve type.

Flow characteristics: equal percentage, linear.

Adjustable range: 30:1, 50:1.

Air supply: Ps:1.4 bar-4 bar.

Input signal: 4-20mA, 0-10V DC.

Output signal: 4-20mA, 0-10V DC.

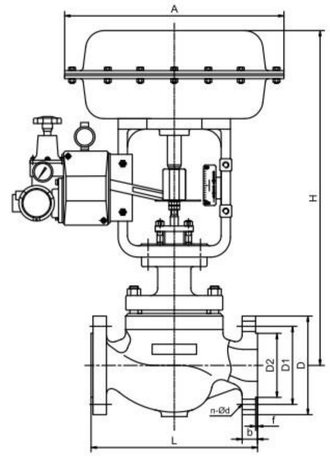
Explosion proof grade: dIIBT4/T5/T6, dICT4/T5/T6, Intrinsically safe type.

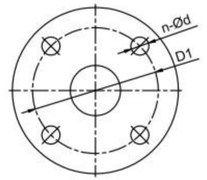
Environmental temperature: - 30℃-+70℃.

NAME	MATERIAL
Body	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Disc	SS304+STL, SS316+STL
Stem	20Cr13, SS304
Packing	GRAPHITE, PTFE
Gasket	GRAPHITE+SS, PTFE
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8

APPLICATION

Steam, hot and cold water, oil, air etc.





DN		20				25	32	40	50	65	80	100	125	150	200
		10	12	15	20										
Kvs	Linear	1.5	2.8	4.4	6.9	11	17.6	27.5	44	69	110	176	275	440	690
	Equal Percentage	1.6	2.5	4	6.3	10	16	25	40	63	100	160	250	400	630
L (mm)		16				25			40			60			
Ae(cm2)		280				400			600			1000			
Allowable leakage		Hard seal: CLASS Ⅳ, soft seal: CLASS Ⅵ													
Work temperature t	Normal temperature	-20℃~200℃、-40℃~250℃、-60C~250℃													
	Heat dissipation	-40℃~450℃、-80C~450C													
	High temperature	450℃~560C													
	Low temperature	-60℃~-100℃、-100℃~-200℃、-200℃~-250℃													

DN	L	D	D1	D2	b	f	n-ϕd	A	H
	PN16								
20	184	105	75	56	16	2	4-ϕ14	250	397
25	184	115	85	65	16	2	4-ϕ14	250	397
32	200	140	100	76	18	2	4-ϕ18	250	411
40	222	150	110	84	18	2	4-ϕ18	285	444
50	254	165	125	99	20	2	4-ϕ18	285	454
65	267	185	145	118	20	2	4-ϕ18	360	674
80	298	200	160	132	20	2	8-ϕ18	360	689
100	352	220	180	156	22	2	8-ϕ18	360	704
125	400	250	210	184	22	2	8-ϕ18	470	818
150	451	285	240	211	24	2	8-ϕ22	470	848
200	543	340	290	266	24	2	12-ϕ22	470	913

ZDLP ELECTRIC SINGLE SEAT CONTROL VALVE



1.Structure: equal cross-section low flow resistance pattern, high rated flow coefficient.

2. Regulation type: large adjustable range, flow characteristics can be selected as equal percentage or linear.

3. Sealing performance: can choose soft seal or bellow seal to improve sealing performance.

4. Widely use: various valve seat structures, heat sinks, suitable for different pressure and temperature.

TECHNICAL SPECIFICATION

Design standard: GB/T4213

Connection standard: HG/T20592, ASME B16.5

Test and inspection: GB/T4213

NAME	MATERIAL
Body	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Disc	SS304+STL, SS316+STL
Stem	20Cr13, SS304
Packing	GRAPHITE, PTFE
Gasket	GRAPHITE+SS, PTFE
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8

SELECTION SPECIFICATION

Action mode: 4-20mA, on off type.

Seat structure: single seat type, sleeve type.

Flow characteristics: equal percentage, linear.

Adjustable range: 50:1.

Power supply: AC220V, 50Hz.

Input signal: 4-20mA, 0-10V DC.

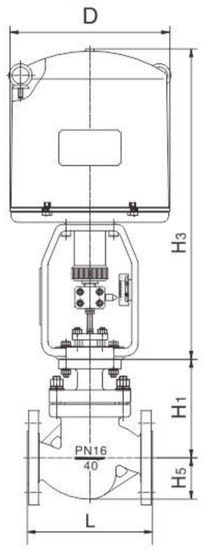
Output signal: 4-20mA, 0-10V DC.

Explosion proof grade: dIIBT4/T5/T6, dICT4/T5/T6, Intrinsically safe type.

Environmental temperature: - 30℃-+70℃.

APPLICATION

Steam, hot and cold water, oil, air etc.



DN(mm)	d(mm)	KVS LINEAR	KVS EQP	MODEL	THRUST (N)	TRAVEL (mm)	TIME (S)
20	5	0.2		381LSA -08	800	10	2.4
	7	0.5					
	8	0.8					
	10	1.8	1.6	381LSA -08/20	800/2000	16	3.8/7.6
	12	2.8	2.8				
	15	4.4	4				
	20	6.9	6.3				
25	25	11	10				
32	32	17	16	381LSB -30/50	3000/5000	25	7.2/14.7
40	40	27	25				
50	50	44	40				
65	65	69	63	381LSB -50/SC-65	5000/6500	40	23.5/14.3
80	80	110	100				
100	100	176	160				
125	125	275	250	381LSC -99/160	10000/16000	60	30/60
150	150	440	400				
200	200	690	630				
250	250	1000	900	381LSC -99/260	16000/26000	100	90
300	300	1600	1440				

DN	L PN16/40	L PN63/100	A	B	D	R	H1 PN16/40	H1 PN63/100	H6 PN16/40	H6 PN63/100	H2	H3	H4	H5 PN16/40	H5 PN63/100	Weight(kg) PN16/40	Weight(kg) PN63/100
20	150	230	460	230	225	177	126	138	142	154	490	373	459	43	49	10	13
25	160	230	460	230	225	177	126	138	142	154	490	373	459	48	54	12	16
32	180	260	460	230	225	177	134	142	154	162	490	495	459	57	61	15	19
40	200	260	460	230	225	177	157	165	177	185	490	495	459	66	70	17	26
50	230	300	460	230	225	177	167	187	187	207	490	495	459	80	84	18	27
65	290	340	530	230	255	177	199	204	226	231	540	700	520	92	97	34	43
80	310	380	530	230	255	177	214	219	241	246	540	700	520	100	105	46	69
100	350	430	530	230	255	177	229	240	256	267	540	700	520	120	125	54	85
125	400	500	630	260	310	226	263	280	290	307	625	725	570	134	138	76	120
150	480	550	630	260	310	226	293	300	320	327	625	725	570	156	163	79	125
200	600	650	630	260	310	226	358	364	385	391	625	725	570	199	206	100	150
250	730	775	730	300	415	345	440	450	460	470	735	760	630	255	270	375	390
300	850	900	730	300	415	345	550	565	550	560	735	760	630	320	340	475	495

V230 SELF PRESSURE REDUCE VALVE



Self operated pressure reducing valve, widely applied in petroleum, chemical, metallurgical, light industry, heating and cooling systems in urban heating areas. When the pressure rises, the valve closes. It include controller and actuator.
The controller consists of bonnet and plug, it control the flow rate and pressure by changing the size of flow area.
The actuator consists of control diaphragm, and spring with set pressure. Pressure of diaphragm and pressure of spring, will push the stem to adjust open position.

PRODUCT RANGE

Nominal size: DN15–250

Nominal pressure: PN16/25/40

Operate temperature: MAX 200 ℃

Application: Water, steam

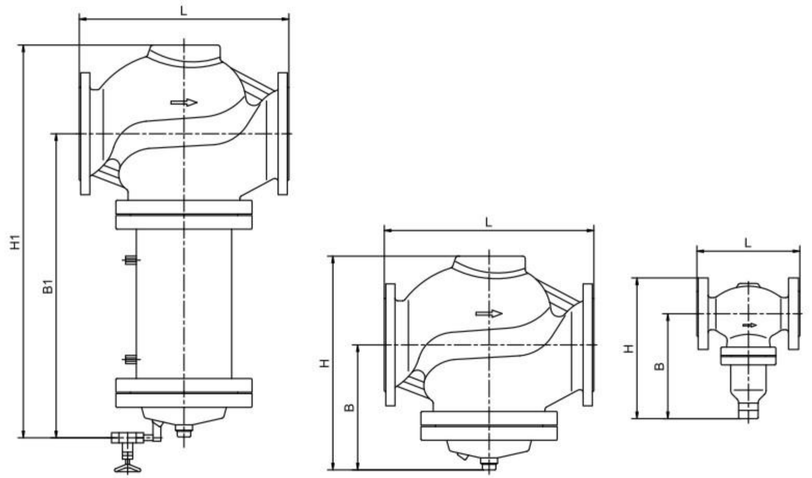
NAME	MATERIAL
Body	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Seat	304, 316
Disc	304, 316
Balance set	304/316L
Diaphragm	NBR, EPDM, FKM
Spring	60Si2Mn
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8

Seal Type	Nominal Size	Accessory	Max Temperature		Remark
Metal Seal Disc	DN15–125		150℃	200℃	Cooling tank up to 200℃
	DN150–250		140℃		
	DN150–250	Extension		200℃	Cooling tank up to 200℃
Soft Seal Disc	DN15–125		150℃		
	DN150–250		140℃		

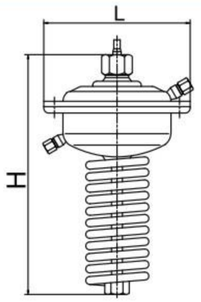
Effective Area of Actuator (cm2)		32	80	250	630
Outlet Pressure Range (MPa)	Red Spring	0.3–1.2	0.1–0.6	0.015–0.15	
	Yellow Spring		0.05–0.3	0.01–0.07	0.005–0.035
	Black Spring	0.8–1.6			
DN		15–125		15–250	
ΔPmin.(MPa)		⩾0.05	⩾0.04	⩾0.01	⩾0.005
ΔPmax.(MPa)		2	1.25	0.4	0.15
Set Value Deviation		±8%			
Control pipeline/joint		Copper or steel pipes ϕ 10 * 1 (mm) Ferrule type pipe joint R1/4 "			

DN		15	20	25	32	40	50	65	80	100	125	150	200	250
KVS(m3/h)		4	6.3	8	16	20	32	50	80	125	160	280	320	400
KVS(m3/h)		2.5	4	6.3	10	16	25	40	63	100	125	/	/	/
Z accord VDMA24422		0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.45	0.4	0.35	0.3	0.2	0.2
ΔPmax.PN16(MPa)		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.2	1	1
ΔPmax.PN40(MPa)		2	2	2	2	2	2	2	2	1.5	1.5	1.2	1	1
Permissible Leakage (under specified test conditions)	Metal Seal	4*10⁻⁴*Rated capacity of valve (L/H)												
	Soft Seal	10 bubbles/minute						20 bubbles/minute				40 bubbles/minute		
Control pipeline/joint		Copper or steel pipes ϕ 10 * 1 (mm) Ferrule type pipe joint R1/4 "												

DN	15–32									
KVS	0.01	0.04	0.1	0.16	0.25	0.4	0.63	1	1.6	2.5
Seat(mm)	6					8		11		14
Plug	Single seat metal seal									
Leakage level	GB4213–92 CLASS V									



DN	15	20	25	32	40	50	65	80	100	125	150	200	250
L (mm)	130	150	160	180	200	230	290	310	350	400	480	600	730
B (mm)	212	212	238	238	240	240	275	275	380	380	326	354	404
Weight (kg)	6.2	6.7	9.7	13	14	17	29	33	60	70	80	140	220
B1 (mm)											630	855	1205
Weight (kg)											140	210	300



Size (cm²)	32	80	250	630
ϕA (mm)	172	172	263	380
H (mm)	435	430	470	520
Weight (kg)	7.5	7.5	13	28

ZZYP SELF REGULATE VALVE



1. High safety: apply with no electric/gas supply, there are no external energy hazards.
2. Energy saving: no need for external energy, use pipeline pressure for regulation.
3. Simplified system: no need for external control instruments, simple system, low cost.
4. Easy operation: adjust the spring for setting.

TECHNICAL SPECIFICATION

Action mode: U control before valve, D control after valve.

Seat structure: single seat, sleeve type.

Flow characteristics: equal percentage, linear.

Adjust range: 30:1, maximum 10:1, minimum 10:8.

Actuator: diaphragm (set value ≤ 6bar), piston type (>6bar).

Sea class: II, IV, VI.

Adjust accuracy: ± 5%.

ACCESSORY

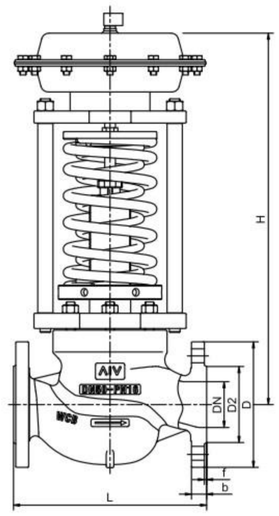
Condenser, suitable for high-temperature media such as steam.

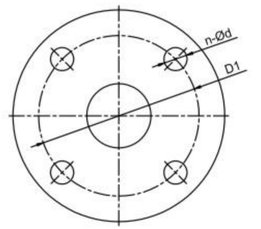
Commander, micro pressure adjustment.

APPLICATION

Steam, hot and cold water, air etc.

NAME	MATERIAL
Body	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Disc	304+STL, 316+STL
Stem	304, 316
Packing	GRAPHITE, PTFE
Bellow	304, 316L, C276
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8

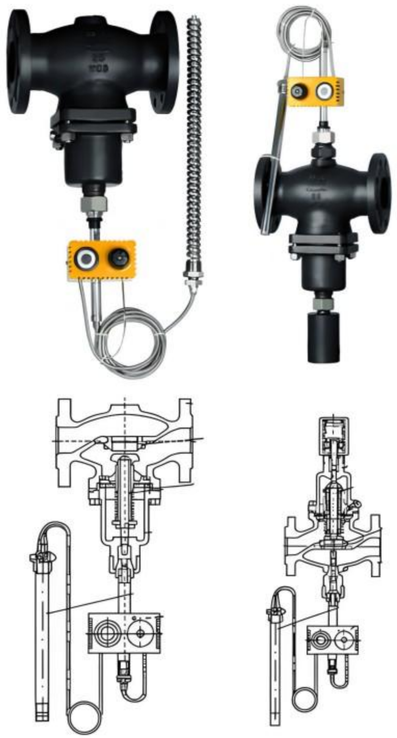




DN	L	D	D1	D2	b	f	n-φd	A	H
	PN16								
20	184	105	75	56	16	2	4-∮14	250	397
25	184	115	85	65	16	2	4-∮14	250	397
32	200	140	100	76	18	2	4-∮18	250	411
40	222	150	110	84	18	2	4-∮18	285	444
50	254	165	125	99	20	2	4-∮18	285	454
65	267	185	145	118	20	2	4-∮18	360	674
80	298	200	160	132	20	2	8-∮18	360	689
100	352	220	180	156	22	2	8-∮18	360	704
125	400	250	210	184	22	2	8-∮18	470	818
150	451	285	240	211	24	2	8-∮22	470	848
200	543	340	290	266	24	2	12-∮22	470	913

DN		20	25	32	40	50	65	80	100	125	150	200
Kvs		7	11	20	30	48	75	120	190	300	480	760
L (mm)		8		10		14	20		25	40		50
Pressuer adjust range (Kpa)		15~50、40~80、60~100、80~140、120~180、160~220、200~260、240~300、280~350、330~400、380~450、430~500、480~560、540~620、600~700、680~800、780~900、880~1000										
Permissible Leakage	Hard Seal(l/h)	Single seat CLASS IV, double seat or sleeve plug CLASS II										
	Soft Seal(ml/h)	0.15、0.30、0.45、0.80、0.90、1.7、4.0、6.75、11.10、18.0										
Pressure Reduce Ratio	Max	10										
	Min	1.25										

ZZWP SELF TEMPERATURE CONTROL VALVE



ZZWP self-operated temperature(heaing/cooling type)control valve include control valve and temperature controller.

It is suitable for non-crrosive liquid, gas and steam. Temperature of the controlled fluid raise lead to control valve close/open.

1.With pressure balance function with high sensitivity.

2.Low noise, reliable performance and free maintenance.

3.The standard modular design is adopted.

4.It adopts the imported fixed point controller which has the over temperature protection function with reliable quality.

5.Various control can be carried out by different assemble.

DN		DN15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150
PN		PN16, PN40
Flange Standard		ANSI, JIS, DIN, GB, JB
Body Material	HARD SEAL	Cast Iron, Cast Steel, Stianless Steel, Stainless Steel
Plug Material	SOFT SEAL	Stainless Steel+rubber
Pressure Balance		Bellow-DN15-125, Diapgragm-DN150

Actuator Model	T06		
Set Temperature Range/℃	-20~50, 20~90, 40~110, 60~120	T17	
Special Temperature Range/℃	110~180, 180~250		
Temperature Protection	EXCEED SET VALUE 100℃		
Time Constant/s	120	20	
Temerature Sensor Material	NICKEL COATED COPPER		
Capillary Tube Length/m	5, 10, 15		

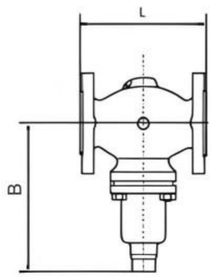
Set Value Deviation	±1.5℃			
Allowable Leakage	Hard Seal	4*0.01% Valve Rated Capacity		
	Soft Seal	DN15-50	DN65-125	DN150-250
	Bubbles/Min	10	20	40

DN	15-125		
Hard Seal	≤150℃		
	Cool Plate≤200℃		
	PN16 Cool Plate≤300℃	PN40 Cool Plate≤350℃	
Soft Seal	≤150℃		

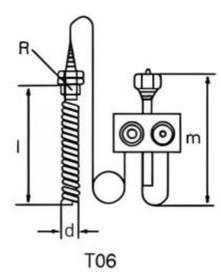
DN	15-150	
HARD SEAL	≤200℃	
SOFT SEAL	≤150℃	

DN		15	20	25	32	40	50	65	80	100	125	150
Rated Flow Coefficient		4	6.3	8	16	20	32	50	80	125	160	280
Noise Cofficient		0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.45	0.4	0.35	0.3
Allowable Difference Pressure	PN16	1.6								1.5	1.5	1.2
	PN40	2.0								1.5	1.5	1.2

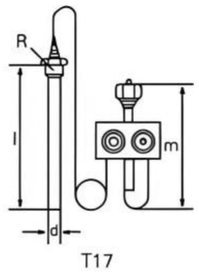
When fluid under set temperature, liquid in the temperature sensor contract and lower force of stem. Disc open by spring force, increasing the flow of heating media such as steam and hot oil, raise fluid to set temperature.
When fluid reach set temperature, disc close and decrease the heating media. Switch and form a work cycle, keep the fluid in set temperature.



DN	15	20	25	32	40	50	65	80	100	125	150
L/mm	130	150	160	180	200	230	290	310	350	400	480
B/mm	212	212	238	238	240	240	275	275	380	380	295
WEIGHT/KGS	6.2	6.7	9.7	13	14	17	29	33	60	70	80



T06



T17

MODEL	l/mm	d/mm	R/mm	m/mm	WEIGHT/KGS
T06	380	24	1"	280	3.0
T17	500	30	1"	280	3.5

T06, temperature sensor is separated and not directly contact fluid, response slowly and easy for maintenance, suit for liquid fluid;

T17, temperature sensor directly contact fluid, response quickly and not easy for maintenance, suit for liquid or gas fluid;

J41H DIN GLOBE VALVE



1. Multiple layer packing, available in GRAPHITE+SS, V shape PTFE for different working condition.

2. The new structure valve body adopts German coated sand casting technology. It greatly improving the surface smoothness and mechanical performance, reducing pores, sand holes and cracks.

3. The middle flange adopts a mortise and tenon sealing structure, which ensures even in the event of pressure fluctuations of pipeline.

4. Various valve disc designs can be provided according to the working conditions and media requirements, such as throttling valve disc, flat soft seal valve disc, globe check valve disc etc.

5. Products above DN150 with triangle position device, valve can installed in various angles and effectively reduce valve shaking. It provides protection and noise reduction. Especially when installed at the outlet of the thermal oil pump or on high speed steam pipelines, reduce internal damage caused by shaking can effectively increase the service life by more than twice.

TECHNICAL SPECIFICATION

Design standard: EN13709, GB/T12224

Face to face: EN558, GB/T12221

Connection standard: EN1092, GB/T9124.1, HG/T20592

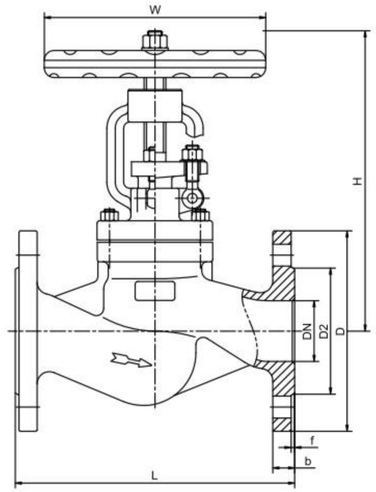
Test and inspection: EN12266, GB/T26480

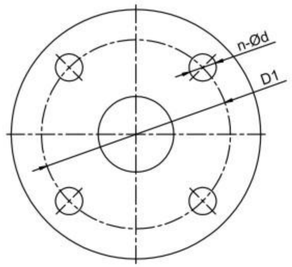
APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	GS-C25,WCB,CF8,CF8M,CF3M
Seat	13Cr,SS304,SS316,Stellite
Disc	13Cr,F304,F316+Stellite
Stem	20Cr13,F304,F316
Gasket	GRAPHITE+SS，PTFE
Bonnet	GS-C25,WCB,CF8,CF8M,CF3M
Nut	ASTM A194-2H,A194-8
Bolt	ASTM A193-B7,A193-B8
Packing	GRAPHITE,PTFE
Gland	WCB,CF8
Stemnut	BRASS,45,D2
Handwheel	CS,KTH330



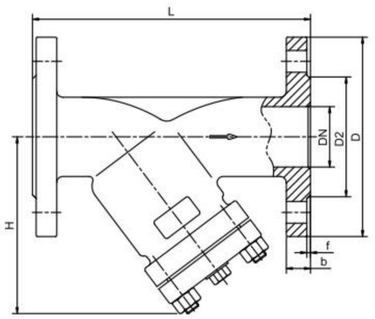


DN	L	D	D1	D2	b	f	n-ϕd	W	H
	PN16								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	195
20	150	105	75	58	18	2	4-ϕ14	ϕ140	195
25	160	115	85	68	18	2	4-ϕ14	ϕ160	210
32	180	140	100	78	18	2	4-ϕ18	ϕ160	210
40	200	150	110	88	18	3	4-ϕ18	ϕ180	250
50	230	165	125	102	18	3	4-ϕ18	ϕ200	255
65	290	185	145	122	18	3	4-ϕ18	ϕ220	290
80	310	200	160	138	20	3	8-ϕ18	ϕ250	360
100	350	220	180	158	20	3	8-ϕ18	ϕ300	370
125	400	250	210	188	22	3	8-ϕ18	ϕ350	435
150	480	285	240	212	22	3	8-ϕ22	ϕ350	440
200	600	340	295	268	24	3	12-ϕ22	ϕ450	555
250	730	405	355	320	26	3	12-ϕ26	ϕ550	775
300	850	460	410	378	28	4	12-ϕ26	ϕ600	900
350	980	520	470	438	30	4	16-ϕ26	ϕ700	1000
400	1100	580	525	490	32	4	16-ϕ30	ϕ700	1150
	PN25								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	195
20	150	105	75	58	18	2	4-ϕ14	ϕ140	195
25	160	115	85	68	18	2	4-ϕ14	ϕ160	210
32	180	140	100	78	18	2	4-ϕ18	ϕ160	210
40	200	150	110	88	18	3	4-ϕ18	ϕ180	250
50	230	165	125	102	20	3	4-ϕ18	ϕ200	255
65	290	185	145	122	22	3	8-ϕ18	ϕ220	290
80	310	200	160	138	24	3	8-ϕ18	ϕ250	360
100	350	235	190	162	24	3	8-ϕ22	ϕ300	370
125	400	270	220	188	26	3	8-ϕ26	ϕ350	435
150	480	300	250	218	28	3	8-ϕ26	ϕ350	440
200	600	360	310	278	30	3	12-ϕ26	ϕ450	680
250	730	425	370	335	32	3	12-ϕ30	ϕ550	775
300	850	485	430	395	34	4	16-ϕ30	ϕ600	900
350	980	555	490	450	38	4	16-ϕ33	ϕ700	1000
400	1100	620	550	505	40	4	16-ϕ36	ϕ700	1150
	PN40								
15	130	95	65	45	16	2	4-ϕ14	ϕ140	195
20	150	105	75	58	18	2	4-ϕ14	ϕ140	195
25	160	115	85	68	18	2	4-ϕ14	ϕ160	210
32	180	140	100	78	18	2	4-ϕ18	ϕ160	210
40	200	150	110	88	18	3	4-ϕ18	ϕ180	250
50	230	165	125	102	20	3	4-ϕ18	ϕ200	255
65	290	185	145	122	22	3	8-ϕ18	ϕ220	290
80	310	200	160	138	24	3	8-ϕ18	ϕ250	360
100	350	235	190	162	24	3	8-ϕ22	ϕ300	370
125	400	270	220	188	26	3	8-ϕ26	ϕ350	435
150	480	300	250	218	28	3	8-ϕ26	ϕ350	440
200	600	375	320	285	34	3	12-ϕ30	ϕ450	680
250	730	450	385	345	38	3	12-ϕ33	ϕ550	775
300	850	515	450	410	42	4	16-ϕ33	ϕ600	900
350	980	580	510	465	46	4	16-ϕ36	ϕ700	1000
400	1100	660	585	535	50	4	16-ϕ39	ϕ700	1150

YG45H DIN Y STRAINER



1. DIN Y strainer can remove impurities of media and protect the downstream valves and equipment.
2. Two layer stainless steel screen with good filtration and corrosion resistance.
3. Simple maintenance, clean the screen and reinstall.



DN	L	D	D1	D2	b	f	n–ϕd	H
	PN16							
15	130	95	65	45	16	2	4–ϕ14	85
20	150	105	75	58	18	2	4–ϕ14	95
25	160	115	85	68	18	2	4–ϕ14	110
32	180	140	100	78	18	2	4–ϕ18	125
40	200	150	110	88	18	3	4–ϕ18	145
50	230	165	125	102	18	3	4–ϕ18	155
65	290	185	145	122	18	3	4–ϕ18	175
80	310	200	160	138	20	3	8–ϕ18	210
100	350	220	180	158	20	3	8–ϕ18	230
125	400	250	210	188	22	3	8–ϕ18	270
150	480	285	240	212	22	3	8–ϕ22	300
200	600	340	295	268	24	3	12–ϕ22	385
250	730	405	355	320	26	3	12–ϕ26	535
300	850	460	410	378	28	4	12–ϕ26	680
	PN25							
15	130	95	65	45	16	2	4–ϕ14	85
20	150	105	75	58	18	2	4–ϕ14	95
25	160	115	85	68	18	2	4–ϕ14	110
32	180	140	100	78	18	2	4–ϕ18	125
40	200	150	110	88	18	3	4–ϕ18	145
50	230	165	125	102	20	3	4–ϕ18	155
65	290	185	145	122	22	3	8–ϕ18	175
80	310	200	160	138	24	3	8–ϕ18	210
100	350	235	190	162	24	3	8–ϕ22	230
125	400	270	220	188	26	3	8–ϕ26	270
150	480	300	250	218	28	3	8–ϕ26	300
200	600	360	310	278	30	3	12–ϕ26	385
250	730	425	370	335	32	3	12–ϕ30	535
300	850	485	430	395	34	4	16–ϕ30	680
	PN40							
15	130	95	65	45	16	2	4–ϕ14	85
20	150	105	75	58	18	2	4–ϕ14	95
25	160	115	85	68	18	2	4–ϕ14	110
32	180	140	100	78	18	2	4–ϕ18	125
40	200	150	110	88	18	3	4–ϕ18	145
50	230	165	125	102	20	3	4–ϕ18	155
65	290	185	145	122	22	3	8–ϕ18	175
80	310	200	160	138	24	3	8–ϕ18	210
100	350	235	190	162	24	3	8–ϕ22	230
125	400	270	220	188	26	3	8–ϕ26	270
150	480	300	250	218	28	3	8–ϕ26	300
200	600	375	320	285	34	3	12–ϕ30	385
250	730	450	385	345	38	3	12–ϕ33	535
300	850	515	450	410	42	4	16–ϕ33	680

TECHNICAL SPECIFICATION

Design standard: EN12516, GB/T12224

Face to face: EN558, GB/T12221

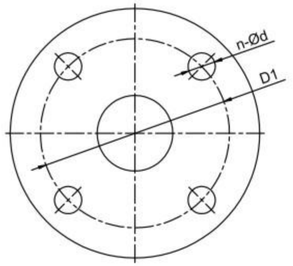
Connection standard: EN1092, GB/T9124.1, HG/T20592

Test and inspection: EN12266, GB/T26480

APPLICATION

Steam, hot and cold water, oil etc.

NAME	MATERIAL
Body	GS–C25, WCB, CF8, CF8M
Screen	SS304, SS316
Gasket	GRAPHITE+SS, PTFE
Cover	GS–C25, WCB, CF8, CF8M
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8



TEST SPECIFICATION			
PN			
Test	Strength	1.5xPr	Mpa
Temperature		–196℃~600℃	

SCREEN MESH	
Water	20–40
Gas	40–100
Oil	10–120

H41H DIN CHECK VALVE

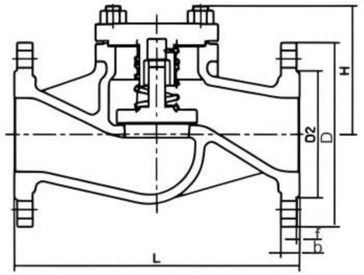


1. The new structure valve body adopts German coated sand casting technology. It greatly improving the surface smoothness andmechanical performance, reducing pores, sand holes and cracks.

2. Soft sealing disc can provide better seal performance in no leakage requirement.

3. Spring can be selected in corrosion resistant material in different working condition. In low working pressure, the spring provide seal strength and ensure seal performance.

4. Simple structure, the disc is only moving spare part, metal seat with less wear out, nearly no maintenance.



TECHNICAL SPECIFICATION

Design standard: EN12516, GB/T12224

Face to face: EN558, GB/T12221

Connection standard: EN1092, GB/T9124.1, HG/T20592

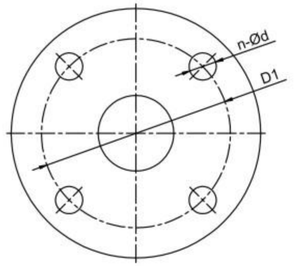
Test and inspection: EN12266, GB/T26480

APPLICATION

Steam, hot and cold water, oil etc.

NAME	MATERIAL
Body	GS-C25, CF8, CF8M, CF3M
Seat	13Cr, SS304, SS316, STL
Disc	13Cr, F304, F316+STL
Spring	SS304, SS316
Sleeve	SS304, BRASS
Gasket	GRAPHITE+SS304，PTFE
Cover	GS-C25, CF8, CF8M, CF3M, GG40
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A194-B8

TEST SPECIFICATION			
Test	Strength	1.5PN	MPa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		-196℃~600℃	



DN	L	D	D1	D2	b	f	n-ϕd	H
	PN16							
15	130	95	65	45	16	2	4-ϕ14	78
20	150	105	75	58	18	2	4-ϕ14	82
25	160	115	85	68	18	2	4-ϕ14	91
32	180	140	100	78	18	2	4-ϕ18	95
40	200	150	110	88	18	3	4-ϕ18	101
50	230	165	125	102	18	3	4-ϕ18	109
65	290	185	145	122	18	3	4-ϕ18	119
80	310	200	160	138	20	3	8-ϕ18	139
100	350	220	180	158	20	3	8-ϕ18	155
125	400	250	210	188	22	3	8-ϕ18	192
150	480	285	240	212	22	3	8-ϕ22	220
200	600	340	295	268	24	3	12-ϕ22	303
250	730	405	355	320	26	3	12-ϕ26	346
300	850	460	410	378	28	4	12-ϕ26	387
350	980	520	470	438	30	4	16-ϕ26	441
400	1100	580	525	490	32	4	16-ϕ30	570
	PN25							
15	130	95	65	45	16	2	4-ϕ14	78
20	150	105	75	58	18	2	4-ϕ14	82
25	160	115	85	68	18	2	4-ϕ14	91
32	180	140	100	78	18	2	4-ϕ18	95
40	200	150	110	88	18	3	4-ϕ18	101
50	230	165	125	102	20	3	4-ϕ18	109
65	290	185	145	122	22	3	8-ϕ18	119
80	310	200	160	138	24	3	8-ϕ18	139
100	350	235	190	162	24	3	8-ϕ22	155
125	400	270	220	188	26	3	8-ϕ26	192
150	480	300	250	218	28	3	8-ϕ26	220
200	600	360	310	278	30	3	12-ϕ26	303
250	730	425	370	335	32	3	12-ϕ30	346
300	850	485	430	395	34	4	16-ϕ30	387
350	980	555	490	450	38	4	16-ϕ33	441
400	1100	620	550	505	40	4	16-ϕ36	570
	PN40							
15	130	95	65	45	16	2	4-ϕ14	78
20	150	105	75	58	18	2	4-ϕ14	82
25	160	115	85	68	18	2	4-ϕ14	91
32	180	140	100	78	18	2	4-ϕ18	95
40	200	150	110	88	18	3	4-ϕ18	101
50	230	165	125	102	20	3	4-ϕ18	109
65	290	185	145	122	22	3	8-ϕ18	119
80	310	200	160	138	24	3	8-ϕ18	139
100	350	235	190	162	24	3	8-ϕ22	155
125	400	270	220	188	26	3	8-ϕ26	192
150	480	300	250	218	28	3	8-ϕ26	220
200	600	375	320	285	34	3	12-ϕ30	303
250	730	450	385	345	38	3	12-ϕ33	346
300	850	515	450	410	42	4	16-ϕ33	387
350	980	580	510	465	46	4	16-ϕ36	441
400	1100	660	585	535	50	4	16-ϕ39	570

Z41H GB GATE VALVE



1. Multiple layer packing, available in GRAPHITE+SS, V shape PTFE for different working condition.

2. The new structure valve body adopts German coated sand casting technology. It greatly improving the surface smoothness and mechanical performance, reducing pores, sand holes and cracks.

3. The middle flange adopts a mortise and tenon sealing structure, which ensures even in the event of pressure fluctuations of pipeline.

4. Grease nipple. It can direct lubricate the stem, nut and sleeve.

5. Ergonomic hand wheel. It provide longer service life and easier operation.

TECHNICAL SPECIFICATION

Design standard: GB/T12234, GB/T12224

Face to face: GB/T12221

Connection standard: JB/T79, GB/T9124.1, HG/T20592

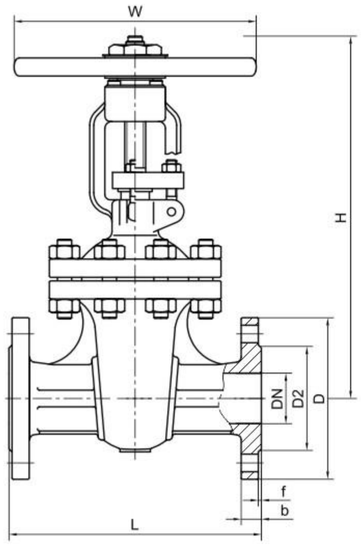
Test and inspection: GB/T13927, GB/T26480

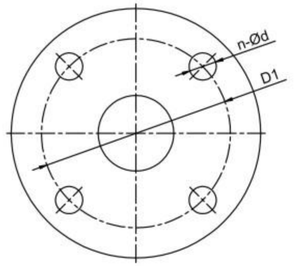
APPLICATION

Steam, hot and cold water, thermal oil, biphenyl, fatty acids, liquid ammonia, ammonia, natural gas etc.

TEST SPECIFICATION			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
	Bellow Seal	1.5PN	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	WCB, WC6, CF8. CF8M. CF3M
Seat	13Cr, STL
Wedge	13Cr，A105+13Cr，F304+STL、F316+STL
Stem	20Cr13，F304，F316
Gasket	GRAPHITE+SS, PTFE
Bonnet	WCB, WC6. CF8. CF8M. CF3M
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7. A193-B8
Packing	GRAPHITE, PTFE
Gland	WCB. CF8
Stem nut	BRASS. 45. D2
Handwheel	CS. KTH330



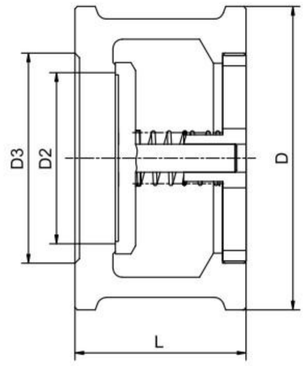


DN	L	D	D1	D2	b	f	n-φd	W	H
	PN16								
50	250	160	125	100	16	3	4-φ18	φ240	345
65	270	180	145	120	18	3	4-φ18	φ240	370
80	280	195	160	135	20	3	8-φ18	φ280	420
100	300	215	180	155	20	3	8-φ18	φ320	480
125	325	245	210	185	22	3	8-φ18	φ360	520
150	350	280	240	210	24	3	8-φ23	φ360	605
200	400	335	295	265	26	3	12-φ23	φ400	818
250	450	405	355	320	30	3	12-φ25	φ450	1225
300	500	460	410	375	30	4	12-φ25	φ500	1415
350	550	520	470	435	34	4	16-φ25	φ500	1630
400	600	580	525	485	36	4	16-φ30	φ600	1780
450	650	640	585	545	40	4	20-φ30	φ720	2050
500	700	705	650	608	44	4	20-φ34	φ720	2180
600	800	840	770	718	48	5	20-φ41	φ720	2600
	PN25								
50	250	160	125	100	20	3	4-φ18	φ240	358
65	270	180	145	120	22	3	8-φ18	φ240	373
80	280	195	160	135	22	3	8-φ18	φ280	435
100	300	230	190	160	24	3	8-φ23	φ320	500
125	325	270	220	188	28	3	8-φ25	φ360	614
150	350	300	250	218	30	3	8-φ25	φ360	674
200	400	360	310	278	34	3	12-φ26	φ400	818
250	450	425	370	332	36	3	12-φ30	φ450	1225
300	500	485	430	390	40	4	16-φ30	φ500	1415
350	550	550	490	448	44	4	16-φ34	φ500	1630
400	600	610	550	505	48	4	16-φ34	φ600	1780
450	650	660	600	555	50	4	20-φ34	φ720	2050
500	700	730	660	610	52	4	20-φ41	φ720	2180
600	800	840	770	718	56	5	20-φ41	φ720	2600
	PN40								
50	250	160	125	100	20	3	4-φ18	φ240	386
65	280	180	145	120	22	3	8-φ18	φ240	430
80	310	195	160	135	22	3	8-φ18	φ280	498
100	350	230	190	160	24	3	8-φ23	φ320	558
125	400	270	220	188	28	3	8-φ25	φ360	650
150	450	300	250	218	30	3	8-φ25	φ360	720
200	550	375	320	282	38	3	12-φ30	φ450	1085
250	650	445	385	345	42	3	12-φ34	φ560	1298
300	750	510	450	408	46	4	16-φ34	φ560	1530
350	850	570	510	465	52	4	16-φ34	φ600	1750
400	950	655	585	535	58	4	16-φ41	φ600	1900
450	1050	680	610	560	60	4	20-φ41	φ720	2100
500	1150	755	670	612	62	4	20-φ48	φ720	2250
600	1350	890	795	730	62	5	20-φ54	φ800	2750

H71 WAFER SINGLE DISC LIFT CHECK VALVE



1. The structural length is short, it’s length only 1/4–1/8 of traditional flange check valve.
2. Small size and light weight, it’s weight only 1/4–1/20 of traditional flange check valves.
3. The valve disc closes quickly and the water hammer pressure is low.
4. Both horizontal and vertical pipelines can be used with easy installation.
5. Smooth flow pattern and low flow resistance.
6. Sensitive action and good sealing performance.
7. Short valve disc stroke and low closing impact force.
8. Simple and compact structure with beautiful appearance.
9. Long service life and high reliability



TECHNICAL SPECIFICATION

Design standard: API594, API6D, JB/T8937

Face to face: API594, API6D, DIN3202, JB/T8937

Connection standard: GB/T9113, EN1092, ASME B16.5

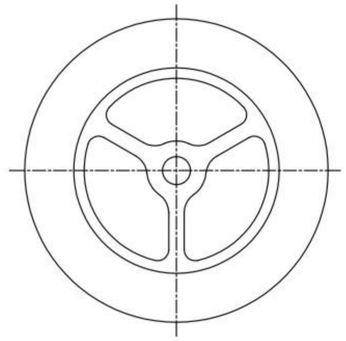
Test and inspection: API598, GB/T26480

Size: DN25–DN1200, 1/2” –48”

Working pressure: PN10–PN420, 150LB–2500LB

Working temperature: –196~540℃

NAME	MATERIAL
Body	CF8, CF8M
Seat	CF8, CF8M, STL
Disc	SS304+STL,SS316+STL
Spring	SS304, SS316
Stem	CF8, CF8M



Application

water, steam, oil, nitric acid, acetic acid, strong oxidizing media and urea.

TEST SPECIFICATION			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	/	
Temperature		–196℃~540℃	

NPS	DN	L	D	D2	D3	(Kg)	D1	n	in	mm	RF	RJ
		150LB (PN20)										
1/2	15	25	46	15	25	0.28	60.5	4	1/2	M14	90	–
3/4	20	31.5	56	19	30	0.42	70	4	1/2	M14	100	–
1	25	35.5	65	24	36	0.56	79.5	4	1/2	M14	105	120
1–1/4	32	40	74	31	43	0.75	89	4	1/2	M14	115	130
1–1/2	40	45	84	39	52	1.3	98.5	4	1/2	M14	120	135
2	50	56	103	48	62	2.1	120.5	4	5/8	M16	140	155
2–1/2	65	63	122	62	75	2.8	139.5	4	5/8	M16	155	170
3	80	71	135	76	90	3.6	152.5	4	5/8	M16	165	180
4	100	80	173	95	112	4.8	190.5	8	5/8	M16	175	190
5	125	110	195	110	125	12	216	8	3/4	M20	210	225
6	150	125	220	127	150	17	241.5	8	3/4	M20	230	245
8	200	160	277	165	200	29	298.5	8	3/4	M20	270	285
		300LB (PN50)										
1/2	15	25	52	15	25	0.3	66.5	4	1/2	M14	95	105
3/4	20	31.5	65	19	30	0.46	82.5	4	5/8	M16	110	125
1	25	35.5	72	24	36	0.6	89	4	5/8	M16	115	130
1–1/4	32	40	81	31	43	0.8	98.5	4	5/8	M16	125	140
1–1/2	40	45	94	39	52	1.5	114.5	4	3/4	M20	140	155
2	50	56	110	48	62	2.4	127	8	5/8	M16	145	170
2–1/2	65	63	128	62	75	3.0	149	8	3/4	M20	170	190
3	80	71	147	76	90	4.0	168.5	8	3/4	M20	185	205
4	100	80	179	95	112	5.5	200	8	3/4	M20	200	220
5	125	110	214	110	125	13	235	8	3/4	M20	235	255
6	150	125	249	127	150	22	270	8	3/4	M20	255	275
8	200	160	305	165	200	36	330	12	7/8	M24	305	325
		PN16 (Long)										
1/2	15	25	52	15	25	0.3	65	4	–	M12	90	–
3/4	20	31.5	62	19	30	0.45	75	4	–	M12	100	–
1	25	35.5	72	24	36	0.6	85	4	–	M12	105	–
1–1/4	32	40	83	31	43	0.8	100	4	–	M16	115	–
1–1/2	40	45	93	39	52	1.4	110	4	–	M16	120	–
2	50	56	108	48	62	2.3	125	4	–	M16	140	–
2–1/2	65	63	128	62	75	3	145	4	–	M16	150	–
3	80	71	142	76	90	3.8	160	8	–	M16	155	–
4	100	80	162	95	112	5	180	8	–	M16	170	–
5	125	110	192	110	125	11	210	8	–	M16	200	–
6	150	125	218	127	150	16	240	8	–	M20	225	–
8	200	160	273	165	200	28	295	12	–	M20	260	–
		PN25 (Long)										
1/2	15	25	52	15	25	0.3	65	4	–	M12	90	–
3/4	20	31.5	62	19	30	0.45	75	4	–	M12	100	–
1	25	35.5	72	24	36	0.6	85	4	–	M12	105	–
1–1/4	32	40	83	31	43	0.8	100	4	–	M16	115	–
1–1/2	40	45	93	39	52	1.4	110	4	–	M16	120	–
2	50	56	108	48	62	2.3	125	4	–	M16	140	–
2–1/2	65	63	128	62	75	3	145	8	–	M16	150	–
3	80	71	142	76	90	3.8	160	8	–	M16	165	–
4	100	80	168	95	112	5.3	190	8	–	M20	180	–
5	125	110	194	110	125	12	220	8	–	M24	225	–
6	150	125	244	127	150	18	250	8	–	M24	245	–
8	200	160	284	165	200	30	310	12	–	M24	285	–
		PN40(Long)										
1/2	15	25	52	15	25	0.3	65	4	–	M12	90	–
3/4	20	31.5	62	19	30	0.45	75	4	–	M12	100	–
1	25	35.5	72	24	36	0.6	85	4	–	M12	105	–
1–1/4	32	40	83	31	43	0.8	100	4	–	M16	115	–
1–1/2	40	45	93	39	52	1.4	110	4	–	M16	120	–
2	50	56	108	48	62	2.3	125	4	–	M16	140	–
2–1/2	65	63	128	62	75	3	145	8	–	M16	150	–
3	80	71	142	76	90	3.8	160	8	–	M16	165	–
4	100	80	168	95	112	5.3	190	8	–	M20	180	–
5	125	110	194	110	125	13	220	8	–	M24	225	–
6	150	125	244	127	150	19	250	8	–	M24	245	–
8	200	160	291	165	200	32	320	12	–	M27	295	–

A48Y DIN SAFETY VALVE



Safety valve as an over pressure protection device. When the system pressure lower than set pressure, the safety valve in close position, keep system no leakage. When the system pressure exceeds the set pressure, the safety valve opens to discharge the media from the system, ensuring that the pressure does not exceed the allowable value and preventing accidents from occurring due to excessive pressure. When the system pressure drops to the set pressure, the safety valve close and seal, keep system work safely.

NAME	MATERIAL
Body	WCB, CF8, CF8M, CF3M
Seat	SS304+STL, SS316+STL
Disc	SS304+STL, SS316+STL
Bonnet	WCB, CF8, CF8M, CF3M
Spring	50CrVA
Stem	20Cr13

TECHNICAL SPECIFICATION

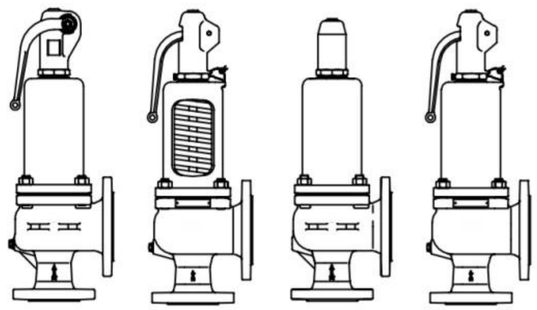
Design standard: DIN3320

Face to face: DIN3202

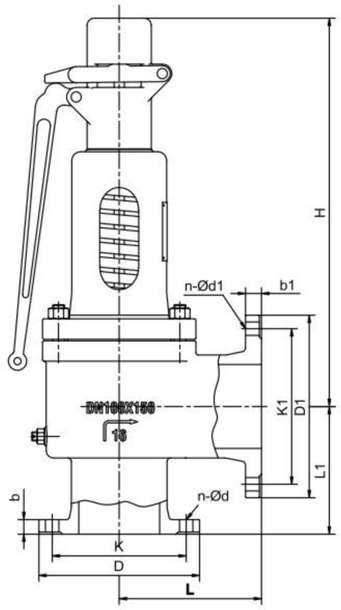
Test and inspection: DIN3230

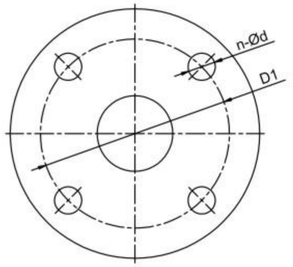
APPLICATION

Steam , oil etc.



TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		MAX 350℃	
Outlet Pressure		0.2MPa–PN	





DNxDN1	L	L1	H	D	K	b	n–ϕd	D1	K1	b1	n–ϕd1
PN16											
20x32	85	95	298	105	75	18	4–ϕ14	140	100	18	4–ϕ18
25x40	100	105	311	115	85	18	4–ϕ14	150	110	18	4–ϕ18
32x50	110	115	315	140	100	18	4–ϕ18	165	125	18	4–ϕ18
40x65	115	140	355	150	110	18	4–ϕ18	185	145	18	4–ϕ18
50x80	120	150	405	165	125	18	4–ϕ18	200	160	20	8–ϕ18
65x100	140	170	555	185	145	18	4–ϕ18	220	180	20	8–ϕ18
80x125	160	195	580	200	160	20	8–ϕ18	250	210	22	8–ϕ18
100x150	180	220	690	220	180	20	8–ϕ18	285	240	22	8–ϕ22
125x200	200	250	845	250	210	22	8–ϕ18	340	295	24	12–ϕ22
150x250	220	285	890	285	240	22	8–ϕ22	405	355	26	12–ϕ26
PN25											
20x32	85	95	298	105	75	18	4–ϕ14	140	100	18	4–ϕ18
25x40	100	105	311	115	85	18	4–ϕ14	150	110	18	4–ϕ18
32x50	110	115	315	140	100	18	4–ϕ18	165	125	20	4–ϕ18
40x65	115	140	355	150	110	18	4–ϕ18	185	145	22	8–ϕ18
50x80	120	150	405	165	125	20	4–ϕ18	200	160	24	8–ϕ18
65x100	140	170	555	185	145	22	8–ϕ18	235	190	24	8–ϕ22
80x125	160	195	580	200	160	24	8–ϕ18	270	220	26	8–ϕ26
100x150	180	220	690	235	190	24	8–ϕ22	300	250	28	8–ϕ26
125x200	200	250	845	270	220	26	8–ϕ26	360	310	30	12–ϕ26
150x250	220	285	890	300	250	28	8–ϕ26	425	370	32	12–ϕ30
PN40											
20x32	85	95	298	105	75	18	4–ϕ14	140	100	18	4–ϕ18
25x40	100	105	311	115	85	18	4–ϕ14	150	110	18	4–ϕ18
32x50	110	115	315	140	100	18	4–ϕ18	165	125	20	4–ϕ18
40x65	115	140	355	150	110	18	4–ϕ18	185	145	22	8–ϕ18
50x80	120	150	405	165	125	20	4–ϕ18	200	160	24	8–ϕ18
65x100	140	170	555	185	145	22	8–ϕ18	235	190	24	8–ϕ22
80x125	160	195	580	200	160	24	8–ϕ18	270	220	26	8–ϕ26
100x150	180	220	690	235	190	24	8–ϕ22	300	250	28	8–ϕ26
125x200	200	250	845	270	220	26	8–ϕ26	375	320	34	12–ϕ30
150x250	220	285	890	300	250	28	8–ϕ26	450	385	38	12–ϕ33

DN	20x32	25x40	32x50	40x65	50x80	65x100	80x125	100x150	125x200	150x250
Orifice Diameter do(mm)	18	22	29	36	45	58	72	80	100	125
Orifice Area Ao(mm)	254	398	661	1018	1590	2688	4072	6362	8825	12266
Weight(Kg)	8.5	10	14	20	28	40	53	80	125	165

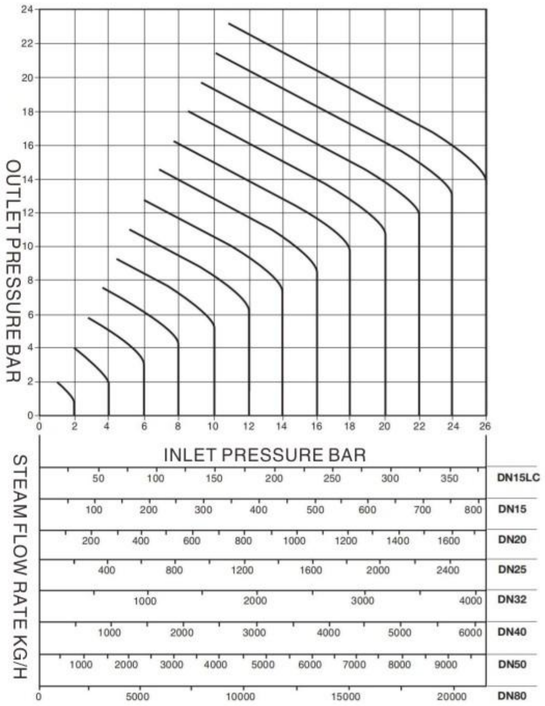
DP17 PILOT PRESSURE REDUCE VALVE



This pressure reduce valve is pilot and diaphragm type. The diaphragm apply new material with large work area. Micro changes of upstream pressure and downstream load can be feedback to main pilot valve promptly and accurately. Adjusting the open position of disc to ensure stable downstream pressure.

Max inlet pressure: 16 bar, 25 bar. Outlet pressure(Springs pressure setting range): Yellow–0.2–3 bar, Blue–2.5–7 bar, Red–6–17 bar. Media temperature: 0–285 degree C. Max rate inlet pressure/outlet pressure: 20:1.

NAME	MATERIAL
Body	WCB
Bonnet	WCB
Seat	2Cr13
Disc	2Cr13
Stem	2Cr13
Diaphragm	SS, BRASS
Spring	60Si2Mn



TECHNICAL SPECIFICATION

Design standard: GB/T12224

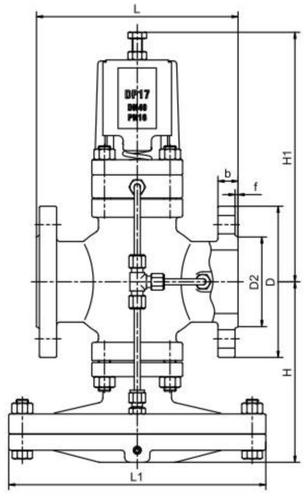
Connection standard:DIN2543–2545

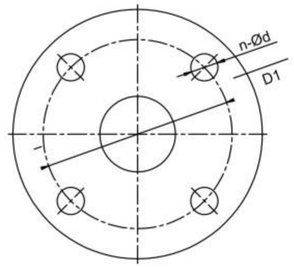
Test and inspection: GB/T12244–46

APPLICATION

Steam, hot and cold water, air etc.

TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	/	
Max Inlet		PN	
Adjust Range		0.02–1.6	
Temperature		MAX 350℃	





Example: The steam flow rate is 600kg/h, and the pressure is reduced from 6 bar to 4 bar. Find the intersection point between the curve with an upstream pressure of 6 bar and the curve with a downstream pressure of 4 bar in the table, and move vertically from this point. Next, find the capacity match required flow rate, DN32 and above can meet.

DN	L	L1	H	H1	D	D1	D2	b	f	n–ϕd
	PN16									
15	147	185	145	235	95	65	45	16	2	4–ϕ14
20	154	185	145	235	105	75	58	18	2	4–ϕ14
25	160	207	145	235	115	85	68	18	2	4–ϕ14
32	180	207	145	235	140	100	78	18	2	4–ϕ18
40	200	255	180	240	150	110	88	18	3	4–ϕ18
50	230	255	183	240	165	125	102	20	3	4–ϕ18
65	250	320	200	295	185	145	122	20	3	4–ϕ18
80	310	350	230	295	200	160	138	20	3	8–ϕ18
100	350	380	240	320	220	180	158	20	3	8–ϕ18
125	400	430	315	352	250	210	188	22	3	8–ϕ18
150	450	455	334	364	285	240	212	22	3	8–ϕ22
200	500	510	354	384	340	295	268	24	3	12–ϕ22
	PN25									
15	147	185	145	235	95	65	45	16	2	4–ϕ14
20	154	185	145	235	105	75	58	18	2	4–ϕ14
25	160	207	145	235	115	85	68	18	2	4–ϕ14
32	180	207	145	235	140	100	78	18	2	4–ϕ18
40	200	255	180	240	150	110	88	18	3	4–ϕ18
50	230	255	183	240	165	125	102	20	3	4–ϕ18
65	250	320	200	295	185	145	122	22	3	8–ϕ18
80	310	350	230	295	200	160	138	24	3	8–ϕ18
100	350	380	240	320	235	190	162	24	3	8–ϕ22
125	400	430	315	352	270	220	188	26	3	8–ϕ26
150	450	455	334	364	300	250	218	28	3	8–ϕ26
200	500	510	354	384	360	310	278	30	3	12–ϕ26

DN	15	20	25	32	40	50	65	80	100	125	150
Cv	2.8	5.5	8.1	12	17	28	45.5	60.1	93.3	146	186

BRV DIRECT PRESSURE REDUCE VALVE



This pressure reduce valve is a direct acting type suitable for steam and compressed air systems.It can be installed near equipment, resulting in higher steam delivery pressure, smaller pipediameter, and more latent heat for use, making it more efficient for use at low–pressure. Provideaccurate pressure control when the load is stable.Outlet pressure(Springs pressure setting range): gray –0.14~17 bar, green –1.4~4 bar, orange3.5–9 bar, The medium temperature ranges from 0 to 120 . Max rate inlet pressure/outletpressure: 10:1.

TECHNICAL SPECIFICATION

Design standard: GB/T12224

Connection standard:DIN2543–2545

Test and inspection: GB/T12244–46

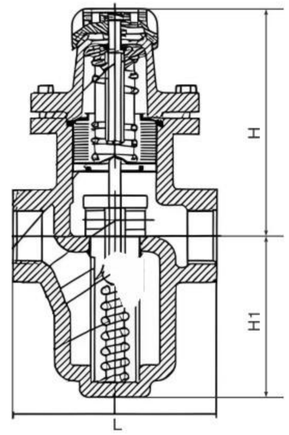
NAME	MATERIAL
Body	QT450,CF8
Trim	SS
Spring	60Si2Mn

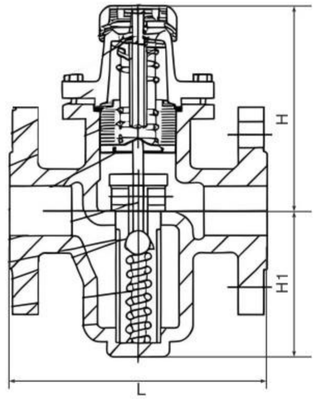
APPLICATION

Steam, hot and cold water, air etc.

DN	15	20	25
KVS	1.5	2.5	3.0

TEST SPECIFICATION			
Test	Strength	1.5PN	Mpa
	Seat Seal	/	
Max Inlet		PN	
Adjust Range		0.02–1.0	
Temperature		MAX 120℃	

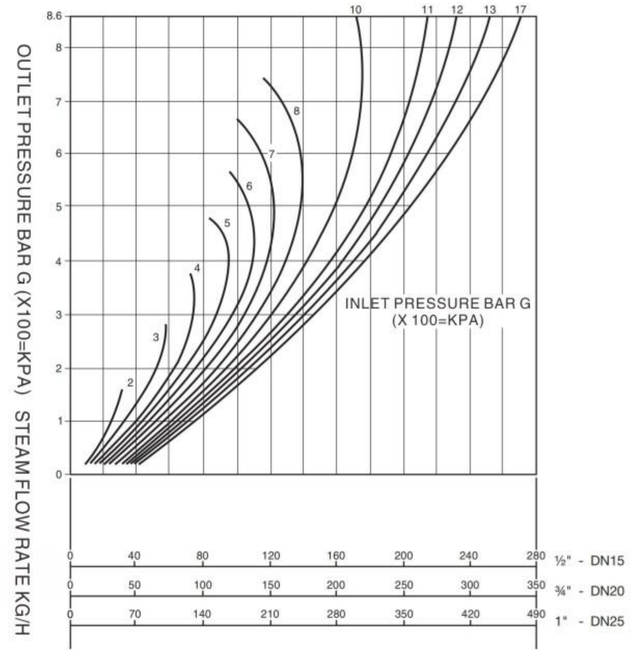




DN	L	H1	H	G
15	85	140	52	1/2"
20	95	143	55	3/4"
25	105	146	58	1"

DN	L	D	D1	D2	f	b	d
	PN16						
15	150	95	65	45	2	14	14
20	150	105	75	55	2	14	14
25	150	115	85	65	2	14	14

Example: The steam flow rate is 120kg/h, and the pressure is reduced from 8 bar to 6 bar. Find the intersection point between the curve with an upstream pressure of 8 bar and the curve with a downstream pressure of 6 bar in the table, and move vertically from this point. Next, find the capacity match required flow rate, DN15 and above can meet.



AS QF CF STEAM WATER SEPARATOR



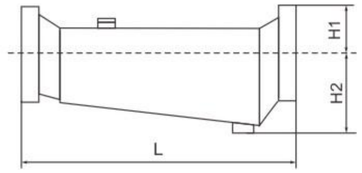
Since steam water separator inner structure and different flow direction of steam and water, the steam and water will separate. It's in order to increase steam dryness to assure process operation.

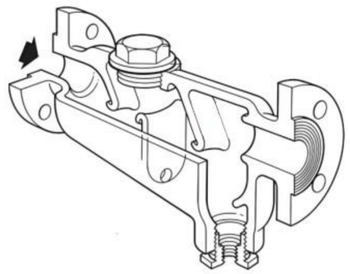
1. Improve steam dryness, assurance working temperature for heat equipment, lead to high heat efficiency.

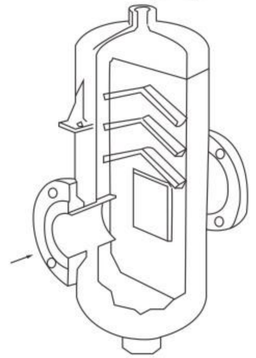
2. Separate condensate in front of steam using equipment to prevent water hammer.

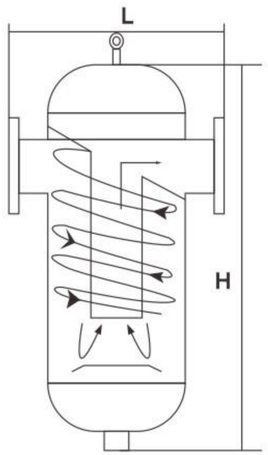
3. Adoptable for separation of various kinds of gases and liquids.

TECHNICAL SPECIFICATION				
Model	Body Material	PMA MPa	MAX TEMP ℃	Application
AS, QF, CF	Castiron	1.6	220	Steam, Gas Condensate
	WCB	1.6	420	
	WCB	2.5	420	









Model	(DN)	Connection	(MPa)	℃	L	H1	H2	D
CF11	15–20	Thread	0.01–2.5	350	130	115	156	Thread
	25				150	155	222	
CF41	20–32	Flange	0.01–2.5	350	320	65	100	Thread
CF41	40–50 65	Flange	0.01–2.5	350	460 490	80 90	140 180	Thread
CF41	80–100	Flange	0.01–2.5	350	510	110	190	Thread
CF41	125–150	Flange	0.01–2.5	350	590	145	200	Thread

Model	DN	Connection	PN(MPa)	Body	L	H	Air Vent	Drain Vent
AS QF	DN15	Flange / Thread	1.6	20#—304	320	450	1/2	1/2"
	DN20		1.6		320	450	1/2	1/2"
	DN25		1.6		320	500	1/2	1/2"
	DN32		1.6		320	500	1/2	1/2"
	DN40		1.6		320	500	1/2	3/4"
	DN50		1.6		420	638	1"	3/4"
	DN65	Flange	1.6		420	638	1"	3/4"
			2.5		420	638	1"	3/4"
	DN80		1.6		523	735	2"	3/4"
			2.5		523	735	2"	3/4"
	DN100		1.6		574	795	2"	3/4"
			2.5		574	795	2"	3/4"
	DN125		1.6		656	843	2"	1"
			3.0		656	843	2"	1"
	DN150		1.6		706	935	2"	1"
			3.0		706	935	2"	1"
	DN200		0.6		850	1200	2"	1"
			1.6		850	1200	2"	1"
			3.0		850	1200	2"	1"
	DN250		0.6		950	1580	2"	1–1/2"
			1.6		950	1580	2"	1–1/2"
			3.0		960	1580	2"	1–1/2"
	DN300		0.6		1000	1700	2"	1–1/2"
			1.6		1000	1700	2"	1–1/2"
			3.0		1010	1700	2"	1–1/2"

PY PNEUMATIC ANGLE VALVE



Pneumatic angle valve is widely used in food, pharmaceuticals, beer, beverages, biotechnology, water treatment, daily chemical, printing and dyeing, mechanical equipment, automation equipment, petroleum and petrochemical industries. Safety use, maintenance free and long service life.

1. Y flow pattern with higher flow rate and small install space.
2. Stainless steel body and PTFE seal suit for corrosion resistance and three million life cycle .
3. Normal close, normal open and free type.
4. Stainless steel pneumatic actuator for safe and reliable service. Piston structure for low air consumption and long service life.
5. Easy installation, the actuator can rotate 360 degree.
6. Treatment add hardness of stem, PTFE seal self lubricating and maintenance free.

NAME	MATERIAL
Body, Bonnet	CF8, CF3M
Stem, Disc	SS304
Disc Seal Gasket	PTFE, RPTFE
Body Seal Gasket	PTFE
Stem Seal Gasket	PTFE+NBR, RPTFE+FKM
Spring	60Si2Mn
Actuator Sleeve	CF8
Piston Ring	NBR, FKM
Indicator	ABS

TECHNICAL SPECIFICATION

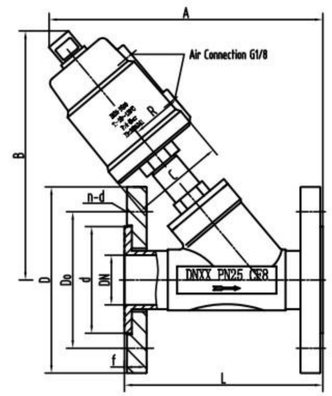
Design standard: EN12516, GB/T12224

Face to face: EN558, GB/T12221

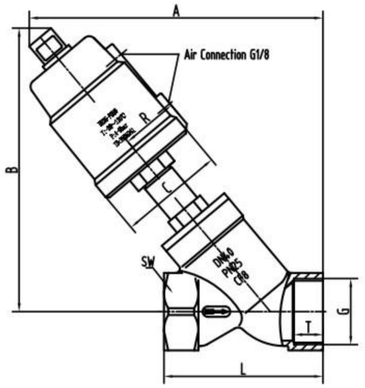
Connection standard: EN1092, GB/T9124.1, HG/T20592

Test and inspection: EN12266, GB/T26480

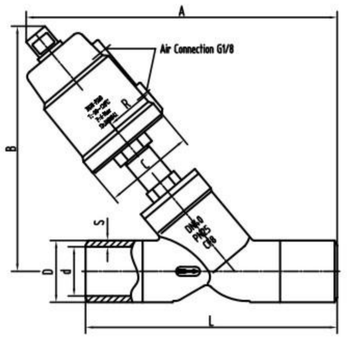
DN	15	20	25		32	40	50		65	
Travel/mm	8	8	8	12	12	14	14	18	20	22
Seat/mm	14	18	24	24	30	35	45	45	60	60
Kvs(m^3/h)	5	7.5	12	15	24	30	38	50	75	85
Actuator	50		63				80		100	
Air Volume Single Cycle/L	0.11		0.25				0.56		1.0	
PN(MPa)	1.6、2.5									
Air Supply(MPa)	0.4~0.8									
Control Type	NORMAL CLOSE, NORMAL OPEN AND FREE TYPE									
Switch Time/S	≤0.5~1 (S)									
Service Life	≥ONE MILLION									
Work Temperature	PTFE					RPTFE				
	≤120℃					≤180℃				
Work Fluid	Air, Water, Steam, Oil									
Environment Temperature	–20℃~+80℃									
Connection Type	Flange, Thread, Weld									



DN	Actuator	L	A	B	C	R	f	D	D0	d	n-d
15	50	120	166	153	62	34	16	95	65	45	4–14
20	50	130	175	159	62	34	18	105	75	58	4–14
25	50	140	185	164	62	34	18	115	85	68	4–14
	63	140	200	182	76	41	18	115	85	68	4–14
32	63	150	212	195	76	41	18	140	100	78	4–18
40	63	180	230	200	76	41	18	150	110	88	4–18
50	63	195	236	209	76	41	18	165	125	102	4–18
	80	195	268	245	96	50	18	165	125	102	4–18
65	80	230	287	260	96	50	18	185	145	122	8–18
	100	230	299	270	117	61	18	185	145	122	8–18



DN	Actuator	L	A	B	C	R	SW	T	G
15	50	68	157	155	62	34	27	14	1–2"
20	50	75	163	160	62	34	32	16	3/4"
25	50	90	172	166	62	34	40	17	1"
	63	90	187	185	76	41	40	17	1"
32	63	115	206	199	76	41	50	21	1–1/4"
40	63	115	213	205	76	41	56	21	1–1/2"
50	63	135	227	213	76	41	69	22	2"
	80	135	260	250	96	50	69	22	2"
65	80	185	290	265	96	50	85	28	2–1/2"
	100	185	302	275	117	61	85	28	2–1/2"



DN	Actuator	L	A	B	C	R	SW	T	G
15	50	68	157	155	62	34	27	14	1–2"
20	50	75	163	160	62	34	32	16	3/4"
25	50	90	172	166	62	34	40	17	1"
	63	90	187	185	76	41	40	17	1"
32	63	115	206	199	76	41	50	21	1–1/4"
40	63	115	213	205	76	41	56	21	1–1/2"
50	63	135	227	213	76	41	69	22	2"
	80	135	260	250	96	50	69	22	2"
65	80	185	290	265	96	50	85	28	2–1/2"
	100	185	302	275	117	61	85	28	2–1/2"

SG41 SIGHT GLASS







Sight glass is accessory in industrial process, widely used in petroleum, chemical, pharmaceutical and food industries. It can observe the flow of liquid, gas, vapor and other media in the pipeline, prevent accidents during the production.

SG41 SIGHT GLASS OPERATE TEMPERATURE RANGE

1.Sodium calcium glass: maximum allowable temperature 150 ℃, rapid temperature change 120–20 ℃.
2. Borosilicate glass: maximum allowable temperature 280 ℃, rapid temperature change 230–20 ℃.
3.Quartz glass: maximum allowable temperature 800 ℃, rapid temperature change 500–20 ℃.

MAINTENANCE OF SG41 SIGHT GLASS

1. Sight glass must operate within the allowable pressure range, otherwise safe operation cannot be guaranteed.
2. The glass window is used to observe the flow reactions of liquid, gas, vapor and other media. It should be clean and dust–free, and regularly maintained.
3. Glass is easy be damaged, so be careful when installing and removing the glass.
4. Sight glass has certain limitations in temperature and pressure resistance, which depend on the actual situation.

TECHNICAL SPECIFICATION

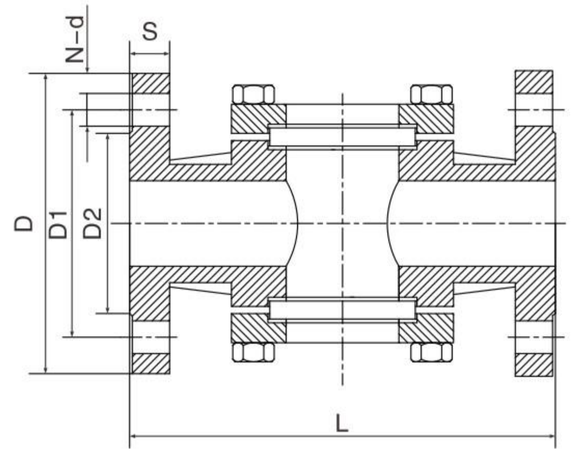
Size: DN15–DN250

Pressure: 0.6–6.4MPa

Temperature: 0–600℃

Connection: thread, flange, clamp, sleeve

NAME	MATERIAL
Nut bolt	CS, SS
Gasket	PTFE, GRAPHITE
Body	WCB, CF8, CF8M
Cover	WCB, CF8, CF8M
Glass	GLASS



DN	L	D	D1	D2	S	N–d	GLASS
15	130	95	65	45	16	4–14	Φ45x6
20	150	105	75	58	18	4–14	Φ45x6
25	160	115	85	68	18	4–14	Φ65x10
32	180	140	100	78	18	4–18	Φ65x10
40	200	150	110	88	18	4–18	Φ80x10
50	230	165	125	102	18	4–18	Φ95x15
65	290	185	145	122	18	8–18	Φ95x15
80	310	200	160	138	20	8–18	Φ120x20
100	350	220	180	158	20	8–18	Φ145x20
125	400	250	210	188	22	8–18	Φ170x20
150	450	285	240	212	22	8–22	Φ170x20
200	480	340	295	268	24	12–22	Φ170x20
250	500	405	355	320	26	12–26	Φ170x20

TD25/TD46/TD65 THERMODYNAMIC STEAM TRAP





1. Insulation cap can keep prevent cooling by environment, prevent frequent work cycle.
2. Forged steel with good mechanical performance and corrosion resistance.
3. Disc and seat is stainless steel, heat treatment and technical treatment add the hardness, suit for impact deformation by high pressure ensure longer service life.
4. Build in screen ensure good operation.
5. Flow pattern can control steam and condensate velocity, ensure difference pressure for closing, keep no steam leakage. Disc and seat with polishment, provide small close pressure and back pressure rate higher than 80%.

WORK PRINCIPLE

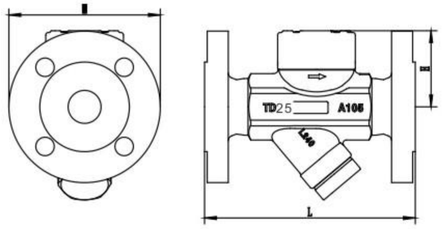
1.Discharge condensate. Condensate with low velocity apply to the disc, disc open by fluid pressure, condensate be smoothly discharged.
2.Block steam. Steam with high velocity apply to the disc, according to Bernoulli's equation, higher velocity with lower pressure. Disc closed by difference pressure, steam be blocked.
3.Discharge condensate again. Steam cool into condensate, disc open by fluid pressure, condensate be smoothly discharged.
4.Steam trap will switch from 2/3 as a work cycle.

TECHNICAL SPECIFICATION

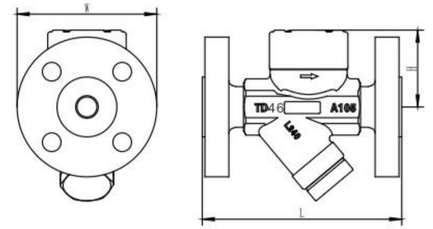
Design standard: GB/T12250–2005, GB/T12250–2023
Face to face: GB/T22654–2008
Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11
Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

WORK MEDIA	STEAM, WATER
Nominal Pressure	TD25–PN40, TD46–PN63, TD65–PN100
Max Work Pressure	TD25–2.5MPa, TD46–4.6MPa, TD65–6.5MPa
Max Pressure Difference	TD25–2.5MPa, TD46–4.6MPa, TD65–6.5MPa
Max Allowable Temperature	463℃/6.5MPa
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥80%

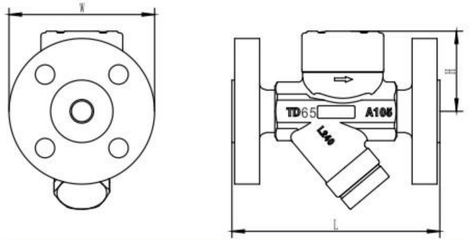
NAME	MATERIAL
Body	A105, F11, SS304
Screen	SS304
Plug Gasket	SS304+GRAPHITE
Drain Plug	CS
Seat Gasket	SS304+GRAPHITE
Seat	SS440C
Disc	SS440C
Cover	SS420
Cap	SS304
Nameplate	SS304



MODEL	DN	L	H	W	Weight/Kg
TD25F	DN15	150	58	95	3.2
TD25F	DN20	150	58	105	3.6
TD25F	DN25	160	58	115	4.4
TD25R	DN15	100	58	59	1.8
TD25R	DN20	100	58	59	1.7
TD25R	DN25	100	58	59	1.7
TD25W	DN15	100	58	59	1.8
TD25W	DN20	100	58	59	1.7
TD25W	DN25	100	58	59	1.7

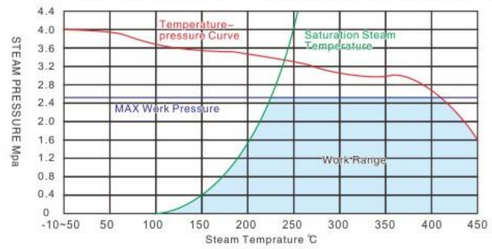


MODEL	DN	L	H	W	Weight/Kg
TD46F	DN15	150	58	105	4
TD46F	DN20	150	58	130	5.6
TD46F	DN25	160	58	140	6.6
TD46R	DN15	100	58	59	1.8
TD46R	DN20	100	58	59	1.7
TD46R	DN25	100	58	59	1.7
TD46W	DN15	100	58	59	1.8
TD46W	DN20	100	58	59	1.7
TD46W	DN25	100	58	59	1.7

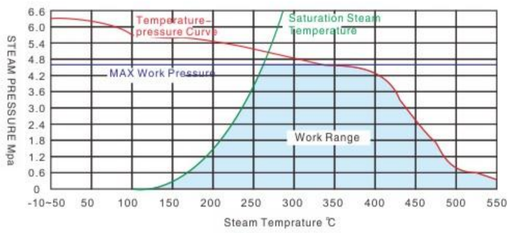


MODEL	DN	L	H	W	Weight/Kg
TD65F	DN15	150	58	105	4
TD65F	DN20	150	58	130	5.6
TD65F	DN25	160	58	140	6.6
TD65R	DN15	100	58	59	1.8
TD65R	DN20	100	58	59	1.7
TD65R	DN25	100	58	59	1.7
TD65W	DN15	100	58	59	1.8
TD65W	DN20	100	58	59	1.7
TD65W	DN25	100	58	59	1.7

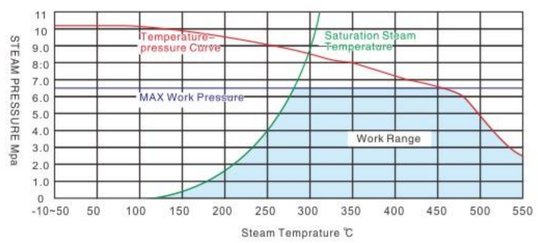
TD25 THERMODYNAMIC STEAM TRAP WORK RANGE

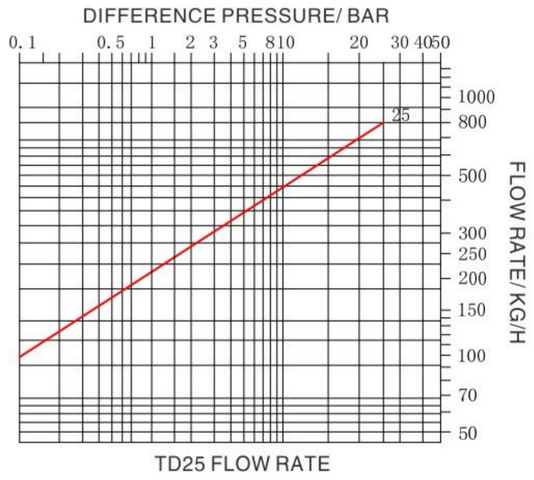


TD46 THERMODYNAMIC STEAM TRAP WORK RANGE

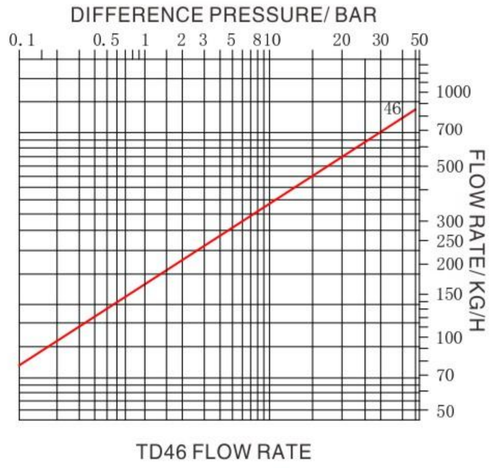


TD65 THERMODYNAMIC STEAM TRAP WORK RANGE

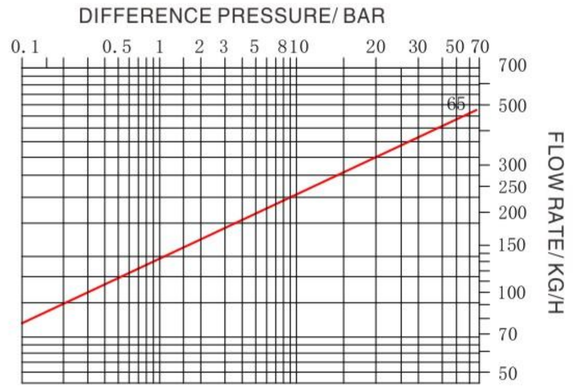




TD25 FLOW RATE



TD46 FLOW RATE



TD65 FLOW RATE

NOTICE:

1. Can install in any direction, flow direction indicated on body. Clean the pipeline before installation.

2. Widely applied in steam conveying pipeline, steam separation cylinder, small heat exchanger, heating device. Suit for low temperature environment and pipeline for superheated steam.

3. Please offer model number, nominal size, connection type, required size.

BT691 BUCKET STEAM TRAP



NAME	MATERIAL
Body	WCB, SS304
Screen	SS304
Plug Gasket	SS304+GRAPHITE
Drain Plug	CS
Cover Gasket	SS304+GRAPHITE
Check Valve	SS304
Bucket	SS304
Lever Controller	SS304
Disc	SS304+SS420
Seat	30Cr13
Sleeve	SS304
Cover	A105, SS304
Bolt	CS

1. Forged steel cover with good mechanical performance and corrosion resistance.

2. Smart lever controller, disc will slowly close/open, reduce impact and ensure long service life.

3. U flow pattern and water seal design, prevent steam leakage.

4. Build in screen ensure good operation.

5. Build in structure prevent water hammer.

TECHNICAL SPECIFICATION

Design standard: GB/T12250–2005, GB/T12250–2023

Face to face: GB/T22654–2008

Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11

Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

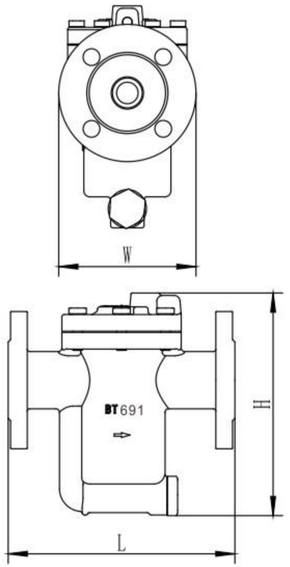
WORK PRINCIPLE

1.Discharge condensate and air. Bucket fill with condensate, air discharge through hole in bucket. Bucket lower since low fluid level and drive the disc open, condensate and air be quickly discharged.

2.Block steam. Bucket fill with steam, bucket raise since high fluid level and drive the disc closed, steam be blocked.

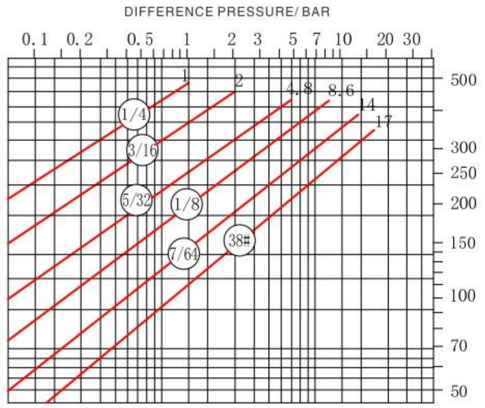
3.Discharge condensate. Bucket fill with condensate, bucket lower since low fluid level and drive the disc open, condensate be quickly discharged.

4.Steam trap will switch from 2/3 as a work cycle.

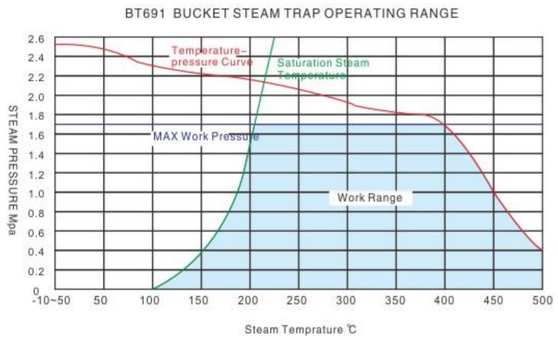


MODEL	DN	L	H	W	Weight/Kg
B691F	DN15	190	186	100	5.6
B691F	DN20	190	186	105	6.2
B691F	DN25	190	186	115	6.6
B691R	DN15	130	186	100	4.2
B691R	DN20	130	186	100	4.2
B691R	DN25	130	186	100	4.1
B691W	DN15	130	186	100	4.2
B691W	DN20	130	186	100	4.2
B691W	DN25	130	186	100	4

WORK MEDIA	STEAM, WATER
Nominal Pressure	PN40
Max Work Pressure	1.7MPa
Max Pressure Difference	1.7MPa
Max Allowable Temperature	400℃/1.7MPa
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥80%



BT69 FLOW RATE



NOTICE:

1.Can install in horizontal direction, flow direction indicated on body. Clean the pipeline before installation. Clean condensate with drain plug, preventing freezing and crushing of the floating ball in low temperature environment.

2.Widely applied in steam conveying pipeline, small heat exchanger, heating device, drying device, air preheater, concentrate device, reboiler device.

3.Please offer model number, nominal size, connection type, required size.

BT692/BT693/BT694/BT695/BT695L/BT696 BUCKET STEAM TRAP



1. Forged steel cover with good mechanical performance and corrosion resistance.

2. Smart lever controller, disc will slowly close/open, reduce impact and ensure long service life.

3. U flow pattern and water seal design, prevent steam leakage.

4. Build in screen ensure good operation.

5. Build in structure prevent water hammer.

TECHNICAL SPECIFICATION

Design standard: GB/T12250–2005, GB/T12250–2023

Face to face: GB/T22654–2008

Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11

Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

WORK PRINCIPLE

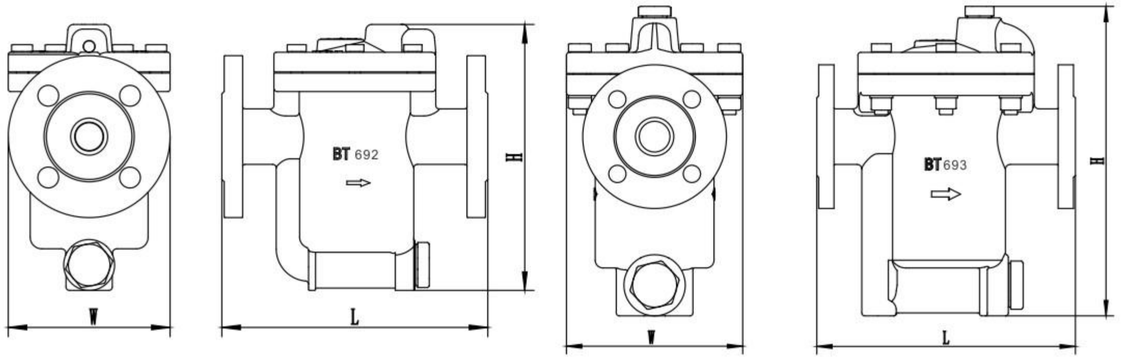
1.Discharge condensate and air. Bucket fill with condensate, air discharge through hole in bucket. Bucket lower since low fluid level and drive the disc open, condensate and air be quickly discharged.

2.Block steam. Bucket fill with steam, bucket raise since high fluid level and drive the disc closed, steam be blocked.

3.Discharge condensate. Bucket fill with condensate, bucket lower since low fluid level and drive the disc open, condensate be quickly discharged.

4.Steam trap will switch from 2/3 as a work cycle.

NAME	MATERIAL
Body	WCB, SS304
Screen	SS304
Plug Gasket	SS304+GRAPHITE
Drain Plug	CS
Cover Gasket	SS304+GRAPHITE
Check Valve	SS304
Bucket	SS304
Lever Controller	SS304
Disc	SS304+SS420
Seat	30Cr13
Sleeve	SS304
Cover	A105, SS304
Bolt	CS



MODEL	DN	L	H	W	Weight/Kg
B692F	DN15	230	230	140	9.9
B692F	DN20	230	230	140	10.7
B692F	DN25	230	230	140	11.2
B692R	DN15	170	230	140	8.6
B692R	DN20	170	230	140	8.6
B692R	DN25	170	230	140	8.5
B692W	DN15	170	230	140	8.6
B692W	DN20	170	230	140	8.5
B692W	DN25	170	230	140	8.5

MODEL	DN	L	H	W	Weight/Kg
B693F	DN25	270	323	184	20.5
B693F	DN32	270	323	184	21.7
B693F	DN40	270	323	184	22.3
B693R	DN25	210	323	184	17.8
B693R	DN32	210	323	184	17.7
B693R	DN40	210	323	184	17.5
B693W	DN25	210	323	184	17.9
B693W	DN32	210	323	184	17.7
B693W	DN40	210	323	184	17.6

MODEL	DN	L	H	W	Weight/Kg
B694F	DN25	300	369	205	25.6
B694F	DN32	300	369	205	26.8
B694F	DN40	300	369	205	27.3
B694F	DN50	300	369	205	28.6

MODEL	DN	L	H	W	Weight/Kg
B695F	DN40	350	403.5	230	35.3
B695F	DN50	350	403.5	230	36.8
B695F	DN65	350	403.5	230	38.8

MODEL	DN	L	H	W	Weight/Kg
B695L	DN40	350	403.5	230	35.3
B695L	DN50	350	403.5	230	36.8
B695L	DN65	350	403.5	230	38.8

MODEL	DN	L	H	W	Weight/Kg
B696F	DN40	420	500	296	56
B696F	DN50	420	500	296	58
B696F	DN65	420	500	296	60
B696F	DN80	420	500	296	64

WORK MEDIA	STEAM, WATER
Nominal Pressure	PN40
Max Work Pressure	BT692/695L–3.2MPa, BT693/694–2.6MPa, BT695/696–3.4MPa
Max Pressure Difference	BT692/695L–3.2MPa, BT693/694–2.6MPa, BT695/696–3.4MPa
Max Allowable Temperature	BT692/695L–270℃/3.2MPa, BT693/694–400℃/2.6MPa, BT695/696–270℃/3.4MPa
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥80%

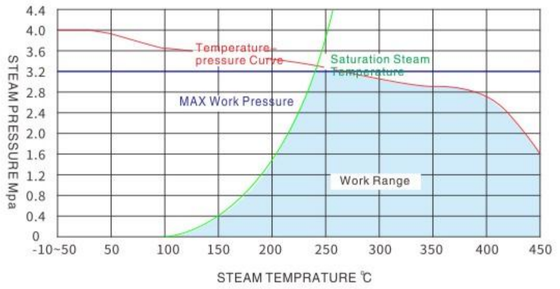
NOTICE:

1. Can install in horizontal direction, flow direction indicated on body. Clean the pipeline before installation. Clean condensate with drain plug, preventing freezing and crushing of the floating ball in low temperature environment.

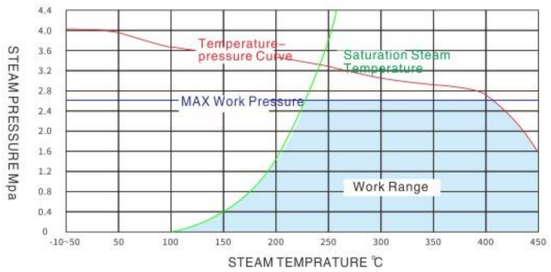
2. Widely applied in steam conveying pipeline, small heat exchanger, heating device, drying device, air preheater, concentrate device, reboiler device.

3. Please offer model number, nominal size, connection type, required size.

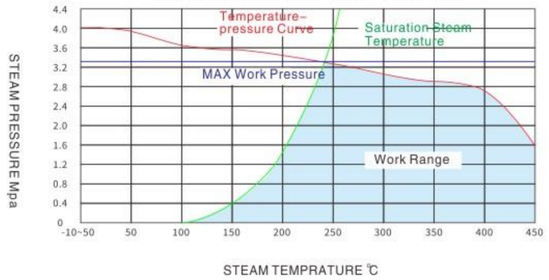
BT692/BT695LBUCKET STEAM TRAP WORK RANGE



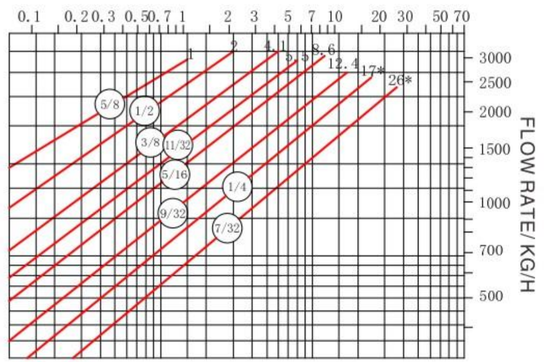
BT693/694 BUCKET STEAM TRAP WORK RANGE



BT695/696 BUCKET STEAM TRAP WORK RANGE

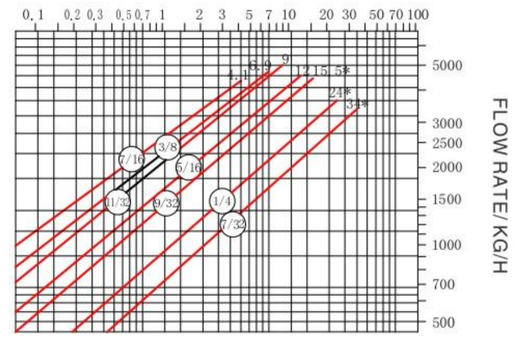


DIFFERENCE PRESSURE/ BAR



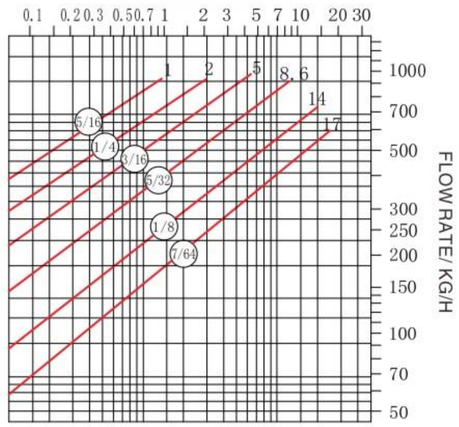
BT694 FLOW RATE

DIFFERENCE PRESSURE/ BAR



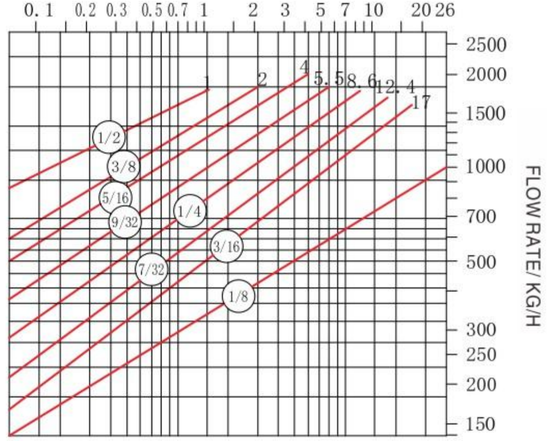
BT695 FLOW RATE

DIFFERENCE PRESSURE/ BAR



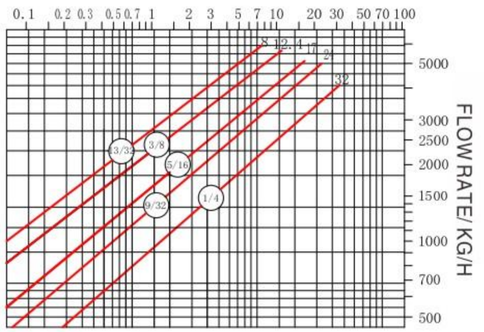
BT692 FLOW RATE

DIFFERENCE PRESSURE/ BAR



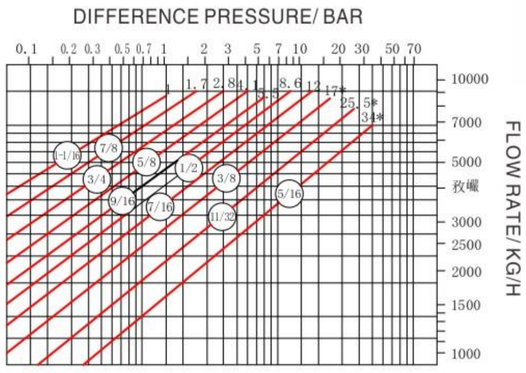
BT693 FLOW RATE

DIFFERENCE PRESSURE/ BAR



BT695L FLOW RATE

DIFFERENCE PRESSURE/ BAR



BT696 FLOW RATE

BT892/BT894/BT895 BUCKET STEAM TRAP





1. Forged steel cover with good mechanical performance and corrosion resistance.

2. Smart lever controller, disc will slowly close/open, reduce impact and ensure long service life.

3. U flow pattern and water seal design, prevent steam leakage.

4. Build in screen ensure good operation.

5. Build in structure prevent water hammer.

TECHNICAL SPECIFICATION

Design standard: GB/T12250–2005, GB/T12250–2023

Face to face: GB/T22654–2008

Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11

Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

WORK PRINCIPLE

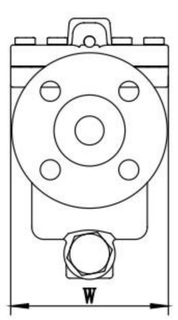
1.Discharge condensate and air. Bucket fill with condensate, air discharge through hole in bucket. Bucket lower since low fluid level and drive the disc open, condensate and air be quickly discharged.

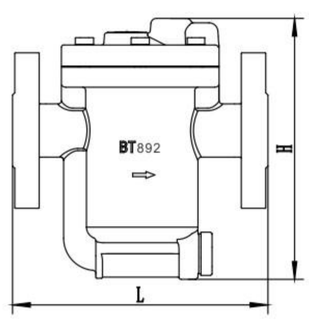
2.Block steam. Bucket fill with steam, bucket raise since high fluid level and drive the disc closed, steam be blocked.

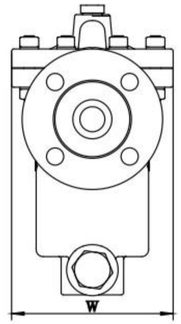
3.Discharge condensate. Bucket fill with condensate, bucket lower since low fluid level and drive the disc open, condensate be quickly discharged.

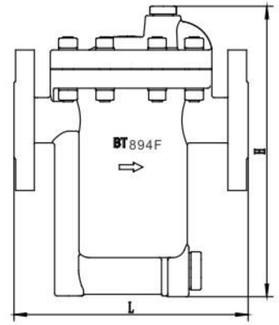
4.Steam trap will switch from 2/3 as a work cycle.

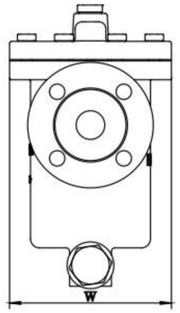
NAME	MATERIAL
Body	WCB, SS304
Screen	SS304
Plug Gasket	SS304+GRAPHITE
Drain Plug	CS
Cover Gasket	SS304+GRAPHITE
Check Valve	SS304
Bucket	SS304
Lever Controller	SS304
Disc	SS304+SS420
Seat	30Cr13
Sleeve	SS304
Cover	A105, SS304
Bolt	CS

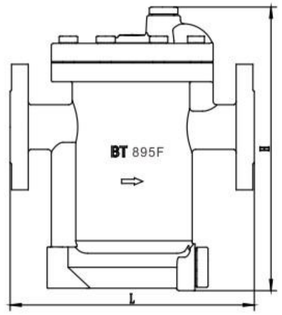












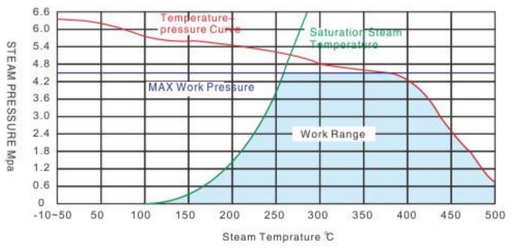
MODEL	DN	L	H	W	Weight/Kg
B892F	DN15	230	230	142	12
B892F	DN20	230	230	142	13.5
B892F	DN25	230	230	142	14.5
B892R	DN15	170	230	142	9.6
B892R	DN20	170	230	142	9.6
B892R	DN25	170	230	142	9.5
B892W	DN15	170	230	142	9.6
B892W	DN20	170	230	142	9.5
B892W	DN25	170	230	142	9.5

MODEL	DN	L	H	W	Weight/Kg
B894F	DN25	300	369	207	29.5
B894F	DN32	300	369	207	30.6
B894F	DN40	300	369	207	32.5
B894F	DN50	300	369	207	33.5

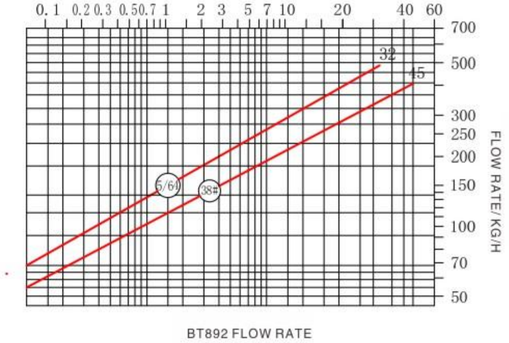
MODEL	DN	L	H	W	Weight/Kg
B895F	DN25	300	403.5	232	38.5
B895F	DN32	300	403.5	232	39.6
B895F	DN40	300	403.5	232	41.5
B895F	DN50	300	403.5	232	42.5

WORK MEDIA	STEAM, WATER
Nominal Pressure	PN63
Max Work Pressure	4.5MPa
Max Pressure Difference	4.5MPa
Max Allowable Temperature	425℃
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥80%

BT892/BT894/BT895 BUCKET STEAM TRAP OPERATING RANGE

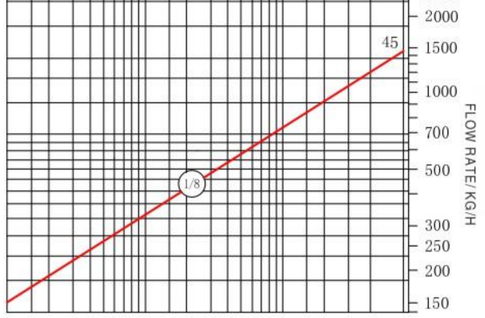


DIFFERENCE PRESSURE/ BAR



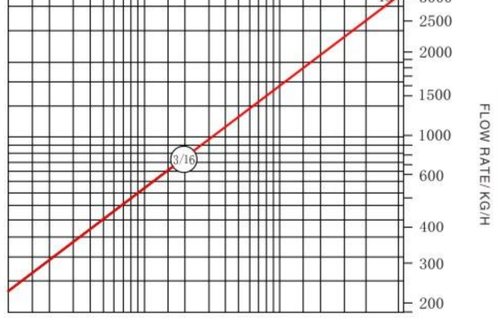
BT892 FLOW RATE

DIFFERENCE PRESSURE/ BAR



BT894 FLOW RATE

DIFFERENCE PRESSURE/ BAR



BT895 FLOW RATE

NOTICE:

1.Can install in horizontal direction, flow direction indicated on body. Clean the pipeline before installation. Clean condensate with drain plug, preventing freezing and crushing of the floating ball in low temperature environment.

2.Widely applied in steam conveying pipeline, small heat exchanger, heating device, drying device, air preheater, concentrate device, reboiler device.

3.Please offer model number, nominal size, connection type, required size.

FT14 LEVER FLOAT STEAM TRAP



1. Forged steel cover with good mechanical performance and corrosion resistance.
2. Disc and seat is stainless steel, heat treatment and technical treatment add the hardness ensure longer service life.
3. Smart lever structure, disc will slowly close/open, reduce impact and ensure long service life.
4. Water seal design, prevent steam leakage and steam lock.
5. Build in air vent, prevent air lock.
6. Build in screen ensure good operation.
7. Horizontal and vertical installation both available.
8. Drain plug easy for maintenance, preventing freezing and crushing of the floating ball in low temperature environment.

NAME	MATERIAL
Body	WCB, SS304
Float ball	SS304
Lever controller	SS304+SS420
Air vent	SS304
Screen	SS304
Cover	WCB, SS304
Flange	A105, SS304
Nameplate	SS304
Bolt	CS

TECHNICAL SPECIFICATION

Design standard: GB/T12250–2005, GB/T12250–2023

Face to face: GB/T22654–2008

Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11

Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

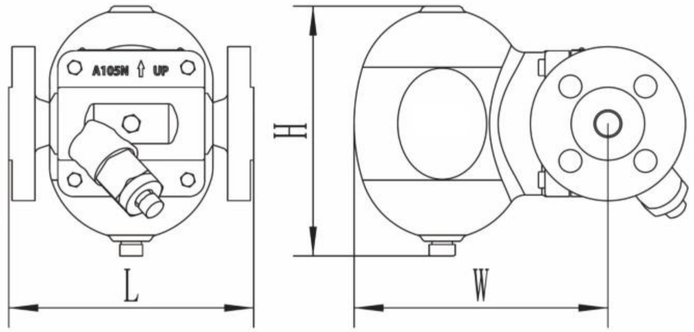
WORK PRINCIPLE

1.Discharge condensate and air. Air vent open since fluid under set temperature, condensate and air be quickly discharged.

2.Discharge condensate. Condensate increase and fluid level raise, so the float ball drive the disc open, and condensate be quickly discharged.

3.Block steam. Condensate decrease and fluid level lower, float ball drive the disc closed, steam be blocked.

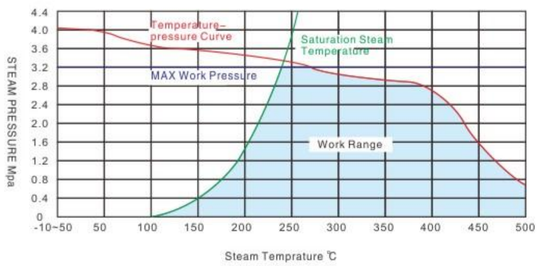
4.Air vent closed since fluid temperature raised. Steam trap will switch from 2/3 as a work cycle.

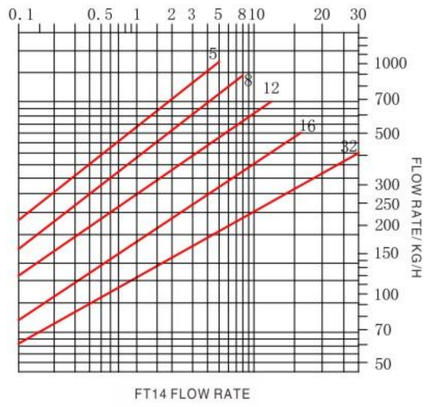


MODEL	DN	L	H	W	Weight/Kg
FT14F	DN15	150	154	158	6.4
FT14F	DN20	150	154	158	6.8
FT14F	DN25	160	154	158	7.5
FT14R	DN15	120	154	158	5.2
FT14R	DN20	120	154	158	5.2
FT14R	DN25	120	154	158	5.1
FT14W	DN15	120	154	158	5.3
FT14W	DN20	120	154	158	5.2
FT14W	DN25	120	154	158	5.1

WORK MEDIA	STEAM, WATER
Nominal Pressure	PN40
Max Work Pressure	3.2MPa
Max Pressure Difference	3.2MPa
Max Allowable Temperature	270℃/3.2MPa
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥85%

FT14 LEVER FLOAT STEAM TRAP OPERATING RANGE





NOTICE:

1.Can install in horizontal and vertical direction, flow direction indicated on body. Clean the pipeline before installation. Clean condensate with drain plug, preventing freezing and crushing of the floating ball in low temperature environment.

2.Widely applied in steam conveying pipeline, small heat exchanger, heating device, drying device.

3.Please offer model number, nominal size, connection type, required size.

FT42/ FT44/FT45/FT46/FT47 LEVER FLOAT STEAM TRAP



1. Cast steel with good mechanical performance and corrosion resistance.
2. Disc and seat is stainless steel, heat treatment and technical treatment add the hardness ensure longer service life.
3. Smart lever structure, disc will slowly close/open, reduce impact and ensure long service life.
4. Water seal design, prevent steam leakage and steam lock.
5. Build in air vent, prevent air lock.
6. Build in screen ensure good operation.
7. Horizontal and vertical installation both available.
8. Drain plug easy for maintenance, preventing freezing and crushing of the floating ball in low temperature environment.

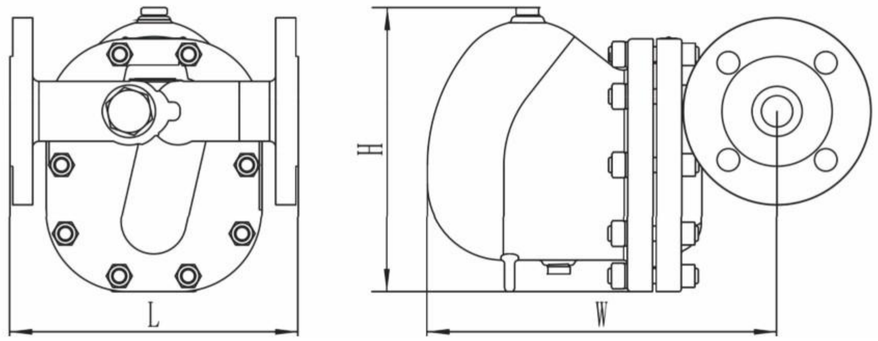
TECHNICAL SPECIFICATION

Design standard: GB/T12250–2005, GB/T12250–2023
Face to face: GB/T22654–2008
Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11
Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

WORK PRINCIPLE

1.Discharge condensate and air. Air vent open since fluid under set temperature, condensate and air be quickly discharged.
2.Discharge condensate. Condensate increase and fluid level raise, so the float ball drive the disc open, and condensate be quickly discharged.
3.Block steam. Condensate decrease and fluid level lower, float ball drive the disc closed, steam be blocked.
4.Air vent closed since fluid temperature raised. Steam trap will switch from 2/3 as a work cycle.

NAME	MATERIAL
Body	WCB, SS304
Drain plug	CS
Bolt, gasket, nut	CS
Float ball	SS304
Disc	SS304
Lever controller	SS304+SS420
Air vent	SS304
Screen	SS304
Seat	SS420
Cover	A105, SS304
Flange	A105, SS304
Nameplate	SS304



MODEL	DN	L	H	W	Weight/Kg
FT42F	DN20	160	227	279	18.8
FT42F	DN25	160	227	279	19.5
FT42F	DN32	230	227	279	21.4
FT42F	DN40	230	227	279	21.9
FT42R	DN20	160	227	279	17.4
FT42R	DN25	160	227	279	17.4
FT42R	DN32	190	227	279	17.3
FT42R	DN40	190	227	279	17.2
FT42W	DN20	160	227	279	17.4
FT42W	DN25	160	227	279	17.4
FT42W	DN32	190	227	279	17.3
FT42W	DN40	190	227	279	17.2

MODEL	DN	L	H	W	Weight/Kg
FT44F	DN25	230	257	292	26
FT44F	DN32	230	257	292	26.5
FT44F	DN40	230	257	292	27.2
FT44F	DN50	230	257	292	28.2
FT44R	DN25	190	257	292	22.2
FT44R	DN32	190	257	292	22.2
FT44R	DN40	190	257	292	22.1
FT44R	DN50	190	257	292	22
FT44W	DN25	190	257	292	22.2
FT44W	DN32	190	257	292	22.2
FT44W	DN40	190	257	292	22.1
FT44W	DN50	190	257	292	22

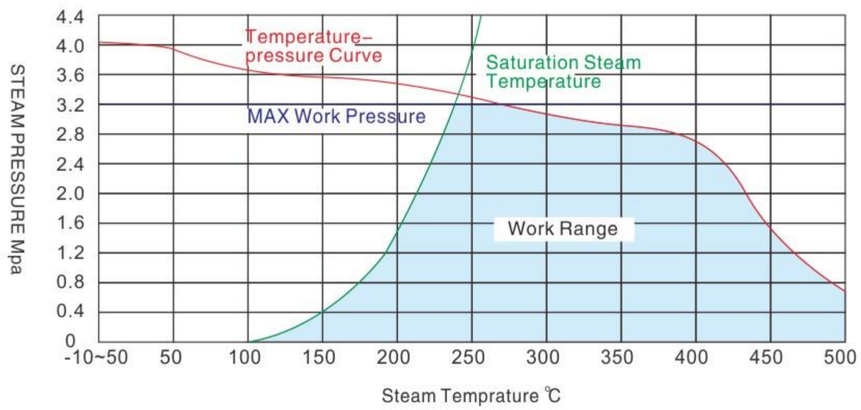
MODEL	DN	L	H	W	Weight/Kg
FT45F	Dn32	230	257	292	26.9
FT45F	DN40	230	257	292	27.7
FT45F	Dn50	230	257	292	28.8

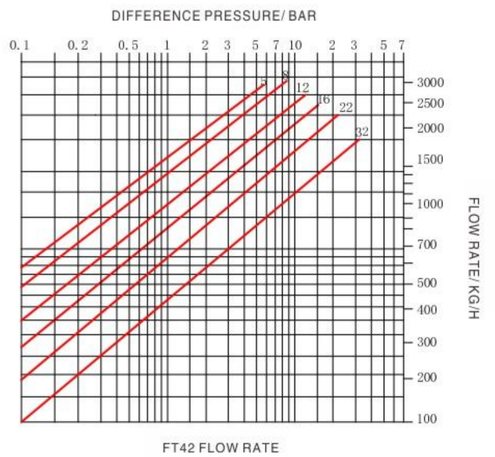
MODEL	DN	L	H	W	Weight/Kg
FT46F	DN32	270	310	348	45
FT46F	DN40	270	310	348	45.4
FT46F	DN50	270	310	348	46.7
FT46F	DN65	270	310	348	48.1

MODEL	DN	L	H	W	Weight/Kg
FT47F	DN40	310	340	407.5	57.5
FT47F	DN50	310	340	407.5	58.8
FT47F	DN65	310	340	407.5	60.8
FT47F	DN80	310	340	407.5	62.2

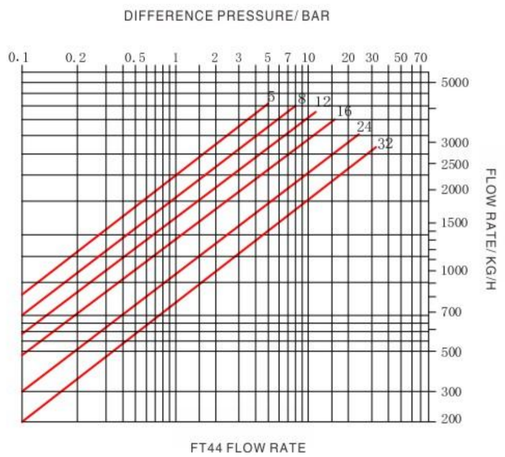
WORK MEDIA	STEAM, WATER
Nominal Pressure	PN40
Max Work Pressure	3.2MPa
Max Pressure Difference	3.2MPa
Max Allowable Temperature	270℃/3.2MPa
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥80%

FT42/ FT44/FT45/FT46/FT47 LEVER FLOAT STEAM TRAP OPERATING RANGE

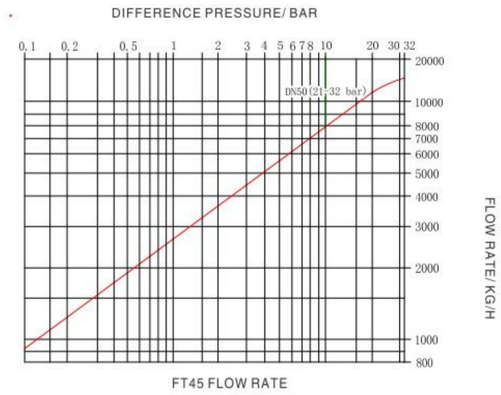




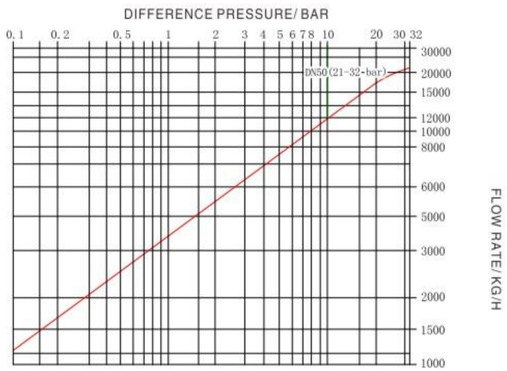
FT42 FLOW RATE



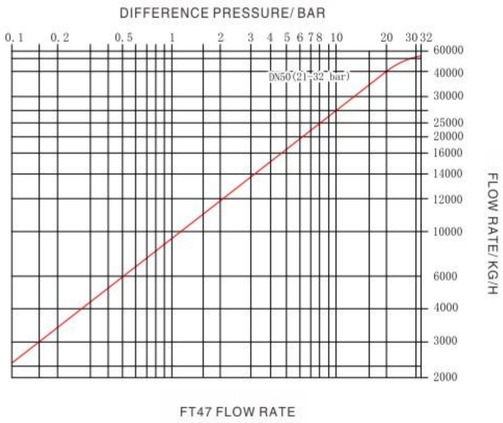
FT44 FLOW RATE



FT45 FLOW RATE



FT46 FLOW RATE



FT47 FLOW RATE

NOTICE:

1.Can install in horizontal direction, flow direction indicated on body. Clean the pipeline before installation. Clean condensate with drain plug, preventing freezing and crushing of the floating ball in low temperature environment.

2.Widely applied in small heat exchanger, heating device, concentrate device, reboiler device, extraction tank, drying device, air preheater, dehumidification equipment. Suit for high difference pressure, siphon drain condensate and intermittent steam supply equipment.

3.Please offer model number, nominal size, connection type, required size.

FT46H LEVER FLOAT STEAM TRAP



1. Cast steel with good mechanical performance and corrosion resistance.

2. Disc and seat is stainless steel, heat treatment and technical treatment add the hardness, suit for impact deformation ensure longer service life.

3. Smart lever structure, disc will slowly closed/open, reduce impact and ensure long service life. Double balance disc design for easy open.

4. Water seal design, prevent steam leakage and steam lock.

5. Build in air vent, prevent air lock.

6. Build in screen ensure good operation.

7. Drain plug easy for maintenance, preventing freezing and crushing of the floating ball in low temperature environment.

NAME	MATERIAL
Body	WC6, SS304
Drain plug	15CrMo
Bolt, gasket, nut	15CrMo
Float ball	SS304
Disc	SS304
Lever controller	SS304+SS420
Air vent	SS304
Screen	SS304
Seat	SS420
Cover	A105, SS304
Flange	A105, SS304
Nameplate	SS304

TECHNICAL SPECIFICATION

Design standard: GB/T12250–2005, GB/T12250–2023

Face to face: GB/T22654–2008

Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11

Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

WORK PRINCIPLE

1.Discharge condensate and air. Air vent open since fluid under set temperature, condensate and air be quickly discharged.

2.Discharge condensate. Condensate increase and fluid level raise, so the float ball drive the disc open, and condensate be quickly discharged.

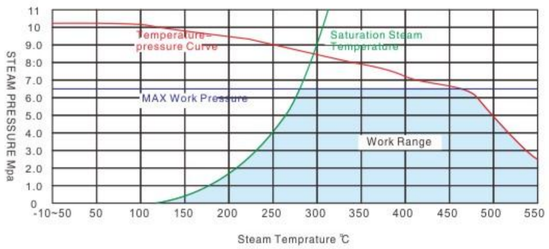
3.Block steam. Condensate decrease and fluid level lower, float ball drive the disc closed, steam be blocked.

4.Air vent closed since fluid temperature raised. Steam trap will switch from 2/3 as a work cycle.

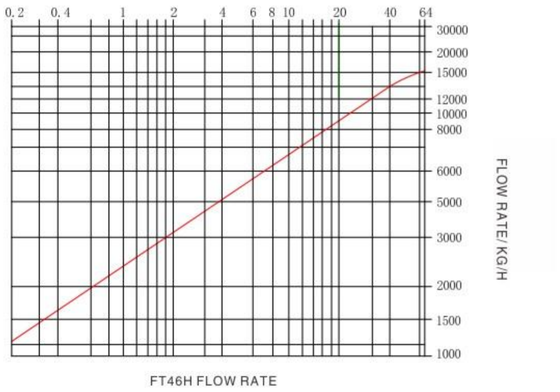
MODEL	DN	L	H	W	Weight/Kg
FT46H	DN25	270	310	348	44.4
FT46H	DN32	270	310	348	45.5
FT46H	DN40	270	310	348	47.4
FT46H	DN50	270	310	348	48.5

WORK MEDIA	STEAM, WATER
Nominal Pressure	PN100
Max Work Pressure	6.4MPa
Max Pressure Difference	6.4MPa
Max Allowable Temperature	475℃/6.4MPa
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥80%

FT46H LEVER FLOAT STEAM TRAP OPERATING RANGE



DIFFERENCE PRESSURE/ BAR



FT46H FLOW RATE

NOTICE:

1.Can install in horizontal direction, flow direction indicated on body. Clean the pipeline before installation. Clean condensate with drain plug, preventing freezing and crushing of the floating ball in low temperature environment.

2.Widely applied in high pressure steam equipment.

3.Please offer model number, nominal size, connection type, required size.

MST16 THERMOSTATIC CAPSULE STEAM TRAP



1. Stainless steel with good mechanical performance and corrosion resistance.
2. Disc and seat is stainless steel, heat treatment and technical treatment add the hardness ensure longer service life.
3. High performance capsule ensures precise temperature control.
4. Seal surface in high–precision line sealing structure.
5. Build in screen ensure good operation.

TECHNICAL SPECIFICATION

Design standard: GB/T12250–2005, GB/T12250–2023

Face to face: GB/T22654–2008

Connection standard: GB/T9124.2, ASME B16.5, ASME B16.11

Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

NAME	MATERIAL
Body	SS304
Cover Gasket	SS304+GRAPHITE
Seat Gasket	COPPER
Seat	30Cr13
Capsule	SS304+
Ring	SS304
Screen	SS304
Cover	SS304

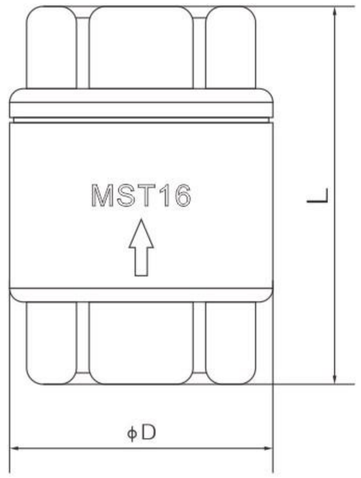
WORK PRINCIPLE

1.Discharge condensate and air. Fluid of pipeline is condensate and air and under set temperature, capsule is liquid and drive the disc open, condensate and air be quickly discharged.

2.Block steam. Steam raise temperature of fluid. When fluid reach set temperature(lower than saturation temperature 15 ℃ or 30 ℃), capsule change into gas and drive the disc closed, steam be blocked.

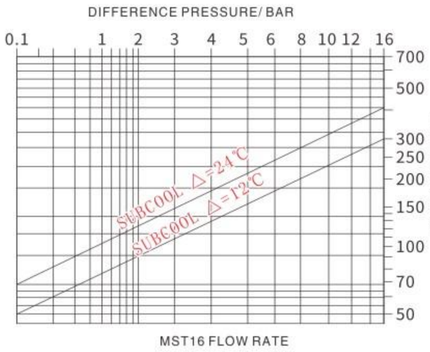
3.Discharge condensate. Steam cool into condensate, capsule change into liquid and drive the disc open, condensate be smoothly discharged.

4.Steam trap will switch from 2/3 as a work cycle.

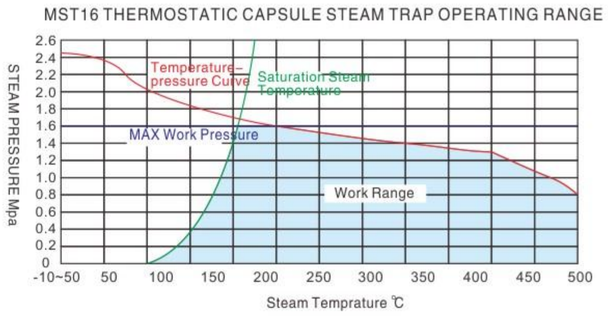


MODEL	DN	L	D	Weight/Kg
MST16F	DN15	140	95	2.4
MST16F	DN20	140	105	2.7
MST16F	DN25	140	115	3.2
MST16R	DN15	79	54	0.9
MST16R	DN20	79	54	0.8
MST16R	DN25	79	54	0.7

WORK MEDIA	STEAM, WATER
Nominal Pressure	PN25
Max Work Pressure	1.6MPa
Max Pressure Difference	1.6MPa
Max Allowable Temperature	250℃
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥50%



MST16 FLOW RATE



NOTICE:

1.Can install in vertical direction, flow direction indicated on body. Clean the pipeline before installation.

2.Widely applied in steam conveying pipeline, heat trace pipeline, small heat exchanger, drying device.

Please offer model number, nominal size, connection type, required size.

TB16/TB32 THERMOSTATIC BIMETAL STEAM TRAP



1. Forged steel with good mechanical performance and corrosion resistance.

2. Disc and seat is stainless steel, heat treatment and technical treatment add the hardness ensure longer service life.

3. High performance bimetal ensures precise temperature control.

4. Seal surface in high-precision line sealing structure.

5. Build in screen ensure good operation.

TECHNICAL SPECIFICATION

Design standard: GB/T12250-2005, GB/T12250-2023

Face to face: GB/T22654-2008

Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11

Test and inspection: GB/T12251-2005, ISO6948, ISO7840, ISO7842

NAME	MATERIAL
Body	A105, SS304
Screen	SS304
Plug Gasket	SS304+Graphite
Drain Plug	CS
Cover Gasket	SS304+Graphite
Spring	SS304
Seat Gasket	Copper
Seat	SS420
Bracket	SS304
Bimetal	BimetaL+SS304
Cover	A105, SS304
Cap Gasket	Copper
Adjust Bolt	SS304
Nut	SS304
Cap	SS304

WORK PRINCIPLE

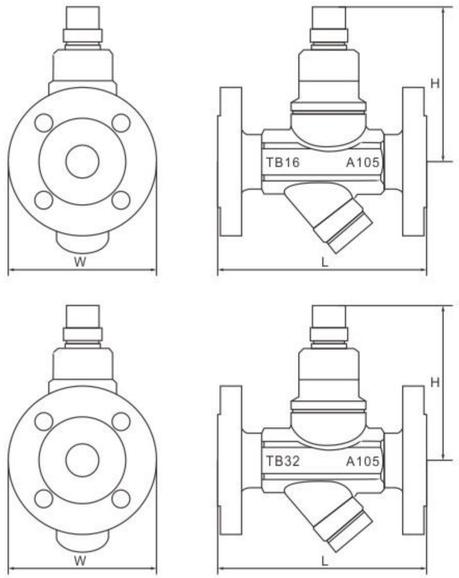
1.Discharge condensate and air. Fluid of pipeline is condensate and air and under set temperature, bimetal with not enough deformation and drive the disc open, condensate and air be quickly discharged.

2.Block steam. Steam raise temperature of fluid. When fluid reach set temperature, bimetal with enough deformation and drive the disc closed, steam be blocked.

3.Discharge condensate. Steam cool into condensate, bimetal with not enough deformation and drive the disc open, condensate be smoothly discharged.

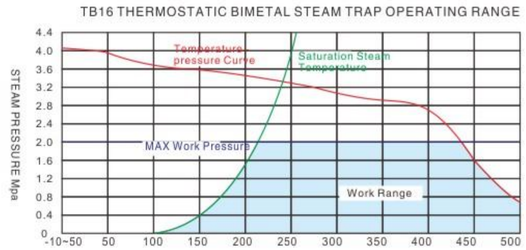
4.Steam trap will switch from 2/3 as a work cycle.

WORK MEDIA	STEAM, WATER
Nominal Pressure	PN40
Max Work Pressure	TB16-1.6MPa, TB32-3.2MPa
Max Pressure Difference	TB16-1.6MPa, TB32-3.2MPa
Max Allowable Temperature	450℃/1.6MPa，433℃/3.2MPa
No Load Leakage Rate	≤0.5%
Max Back Pressure Rate	≥50%

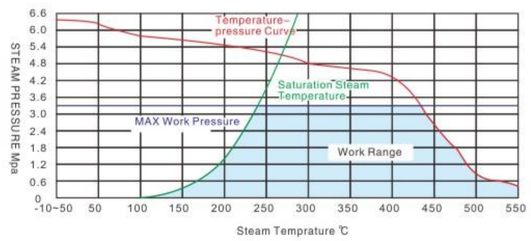


MODEL	DN	L	H	W	Weight/Kg
TB16F/TB32F	DN15	150	119	95	3.6
TB16F/TB32F	DN20	150	119	105	4.0
TB16F/TB32F	DN25	160	119	115	4.7
TB16R/TB32R	DN15	100	119	58	2.2
TB16R/TB32R	DN20	100	119	58	2.1
TB16R/TB32R	DN25	100	119	58	2.0
TB16W/TB32W	DN15	100	119	58	2.2
TB16W/TB32W	DN20	100	119	58	2.1
TB16W/TB32W	DN25	100	119	58	2.0

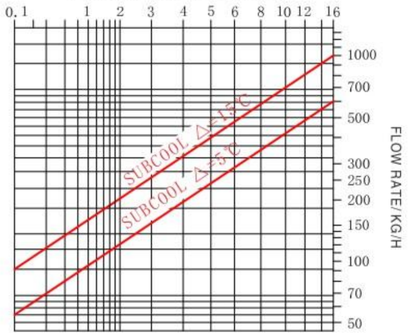
TB16 THERMOSTATIC BIMETAL STEAM TRAP OPERATING RANGE



TB32 THERMOSTATIC BIMETAL STEAM TRAP OPERATING RANGE

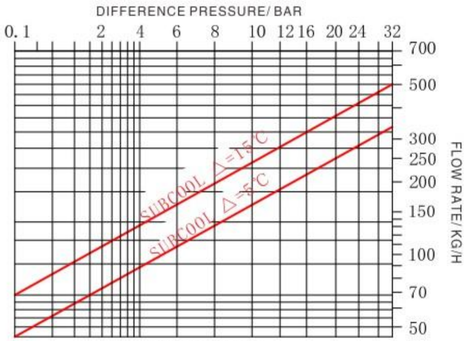


DIFFERENCE PRESSURE/ BAR



TB16 FLOW RATE

DIFFERENCE PRESSURE/ BAR



TB32 FLOW RATE

NOTICE:

1.Can install in any direction, flow direction indicated on body. Clean the pipeline before installation.

2.Widely applied in steam conveying pipeline, heat trace pipeline, small heat exchanger, drying device.

3.Please offer model number, nominal size, connection type, required size.

TP30 CONDENSATE MECHANICAL PUMP



1. Forged steel and cast steel with good mechanical performance and corrosion resistance.

2. No electrical device and more safety since explosion proof. Supply with motive steam or air.

3. No requirement on installation, simple structure can service in outdoor.

4. No cavitation operation, overcome cavitation of electric pumps.

5. Stainless steel and special alloy trim, ensure the service life.

TECHNICAL SPECIFICATION

Design standard: GB/T12250–2005, GB/T12250–2023

Face to face: GB/T22654–2008

Connection standard: HG/T20592, ASME B16.5, GB/T14383, ASME B16.11

Test and inspection: GB/T12251–2005, ISO6948, ISO7840, ISO7842

NAME	MATERIAL
Body	WCB, SS304
Drain Plug	CS
Plug Gasket	COPPER
Float Ball	SS304
Pin	SS304
Connection Lever	SS304
Bracket	SS304
Spring	SS304
Bracket	SS304
Bracket	SS304
Inlet Disc/seat	WCB/SS304
Outlet Disc/seat	WCB/SS304
Seat Gasket	COPPER
Cover	WCB/SS304
Bolt	CS
Nut	CS

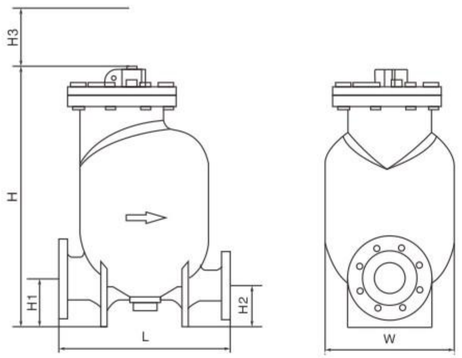
WORK PRINCIPLE

1.Recovery condensate and exhaust air. Inlet check valve open, outlet check valve closed, condensate stay in pump. When condensate increase to set value, the controller change into next process.

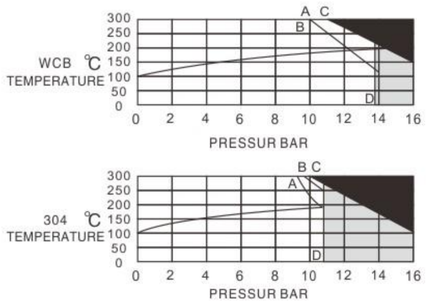
2.Discharge condensate and supply motive steam. Inlet check valve closed, outlet check valve open, condensate discharged by motive steam. When condensate decrease to set value, the controller change into next process.

3.Recovery condensate. Inlet check valve open, outlet check valve closed, condensate stay in pump. When condensate increase to set value, the controller change into next process.

4.Steam trap will switch from 2/3 as a work cycle. Work cycle adjusted by condensate load. If condensate increase, work frequency increase. Otherwise, work frequency decrease.



MODEL	DN	L	H	W	H1	H2	H3
PT30	DN25	310	523	318	120	105	480
PT30	DN40	310	543	318	120	105	480
PT30	DN50	425	644.5	318	120	105	580
PT30	DN80*DN50	425	644.5	318	120	105	582



DESIGN WORK CONDITION		
Max Motive Pressure (steam, Other Gas)	WCB	13.8 bar
	SS304	10.96 bar
PMA Max Allowable Pressure	WCB	16 bar–120 ℃
	SS304	16 bar– 93 ℃
TMA Max Allowable Temperature	WCB	300 ℃–10.8 bar @ 300 ℃–9.3 bar
	SS304	
Min Temperature		0 ℃
PMO Max Operate Pressure	WCB	13.8 ba–198 ℃
	SS304	10.96 bar–188 ℃
TMO Max Operate Temperature	WCB	198 ℃–13.8 bar
	SS304	188 ℃–10.96 bar

Total lift or back pressure must lower than motive fluid.

Total lift= fluid level elevation pressure+return pipeline pressure

+pipeline friction pressure drop

Fluid level elevation pressure= 0.0981 bar/m * vertical lift after pump

Filling head available, 300 mm is recommended.

Recommednded Filling Head(from Pump Cover)			0.3 m
Recommednded Filling Head(from Pump Cover)			Reduce Flow Rate 0.15 m
Fluid Specific Gravity			1–0.8
Flow Rate Per Cycle	DN80*50	DN50	DN40/DN25
	19.3 L	12.8 L	7 L
Max Steam Consumption	20 KG/H	20 KG/H	16 KG/H
Max Air Consumption	5.6 dm^3/s	5.6 dm^3/s	4.4 dm^3/s
Environment Temperature	–10~200 ℃	–10~200 ℃	–10~200 ℃

Example:

condensate load 1500 kg/h, motive steam 5.2 bar, vertical lift height after pump 9.2 m, return pipeline pressure 1.7 bar, pipeline

friction pressure drop is negligible, filling head 0.15 m.

Selection:

Total lift= vertical lift height after pump 9.2 m+return pipeline pressure 1.7 bar,

P2=1.7 bar/ 0.0981= 17.3 m,

Total lift=17.3+9.2=26.5 m

EXAMPLE SELECTION RESULT

We can get recommended size based on total lift:

1.Draw a horizontal line along the vertical axis at 5.2 bar g (pressure of the motive steam);

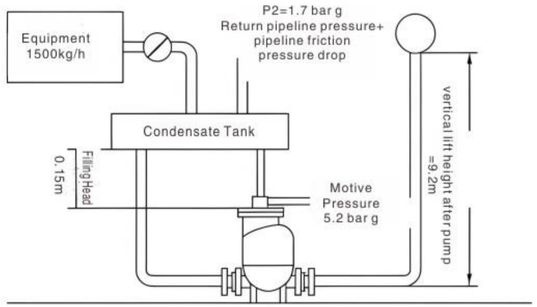
2.Draw a curve with a lift of 26.5m;

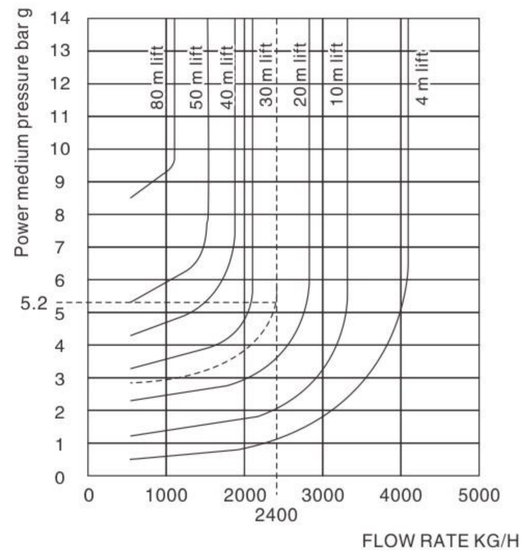
3.Draw a straight line perpendicular to the intersection of the two curves and intersect it with the horizontal axis;

If motive fluid is not steam, correction factor as below.4.Get pump flow rate 2400kg/h.

Note: If the filling head is not 0.3m, the flow rate should calculated with factor as below.If motive fluid is not steam, correction factor as below.

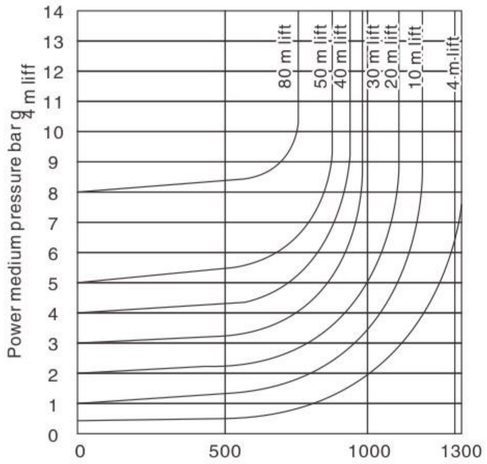
Result: Pump size DN50, pump flow rate=0.75*2400 kg/h=1800 kg/h, it can meet requirement of 1500 k/h condensate load.



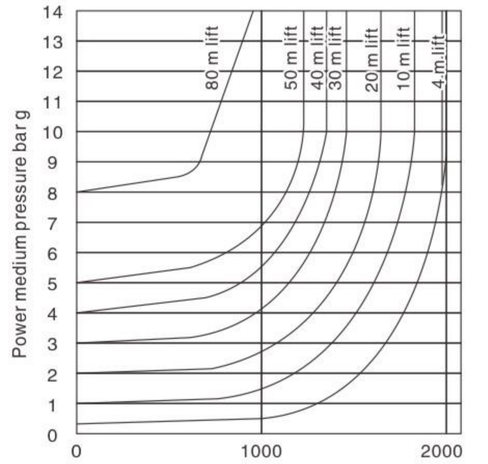


CAPACITY MULTIPLYING FACTORS FOR OTHER FILLING HEADS				
FILLING HEAD m	MULTIPLYING FACTORS			
	DN25	DN40	DN50	DN80*50
0.15	0.90	0.75	0.75	0.80
0.30	1.00	1.00	1.00	1.00
0.60	1.15	1.10	1.20	1.05
0.90	1.35	1.25	1.30	1.15

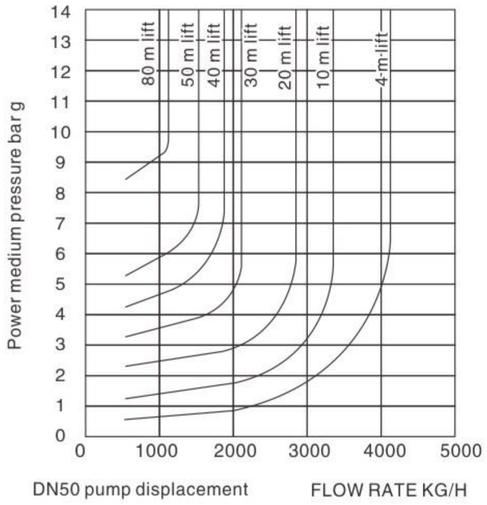
IF MOTIVE FLUID IS NOT STEAM, CORRECTION FACTOR AS BELOW.									
DN	BACK PRESSURE/MOTIVE FLUID PRESSURE(BP/MP)								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
	CORRECTION FACTORS								
DN25	1.20	1.25	1.30	1.35	1.40	1.43	1.46	1.50	1.53
DN40	1.20	1.25	1.30	1.35	1.40	1.43	1.46	1.50	1.53
DN50	1.02	1.05	1.08	1.10	1.15	1.20	1.27	1.33	1.40
DN80*50	1.02	1.05	1.08	1.10	1.15	1.20	1.27	1.33	1.40



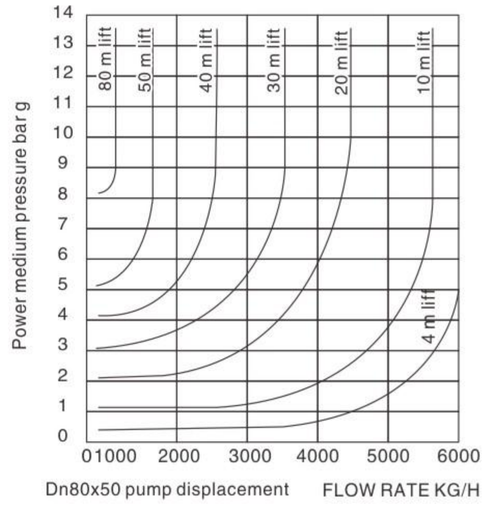
DN25 pump displacement FLOW RATE KG/H



DN40 pump displacement FLOW RATE KG/H



DN50 pump displacement FLOW RATE KG/H



Dn80x50 pump displacement FLOW RATE KG/H

TERMINOLOGY OF PRESSUER

TERMINOLOGY	SYMBOL	UNIT
Maximum allowable pressure	PMA	MPa
Operating pressure	PO	MPa
Maximum operating pressure	PMO	MPa
Minimum operating pressure	PINO	MPa
Operating back pressire	POB	MPa
Maximum operating back pressure	PVOB	MPa
Rate of back pressure	RPB	%
Maximum rate of back pressure	RVBP	%
Operating differential pressure	△P	MPa
Maximum differentialpressure	△PMX	MPa
Minimum differential pressure	△PMN	Mpa

TERMINOLOGY OF TEMPERATURE

TERMINOLOGY	SYMBOL	UNIT
Operating temperature	TO	℃
Maximum operating tenperature	TMO	℃
Maximum allowable tenperature	TMA	℃
Opening valve temperature	TOP	℃
Closing valve temperature	TCL	℃
Temperature at discharging condensate	T	℃
Maximum temperature at discharging condensate	TM	℃
Subcooled temperature	△T	℃
Subcooled temperature of open valve	△TOP	℃
Subcooled temperature of close valve	△TCL	℃
Maximum subcool ed tenperature	△TIX	℃
Minimum subcooled temperature	△TMN	℃

TERMINOLOGY OF FLOW RATE

TERMINOLOGY	SYMBOL	UNIT
Cold condensate capacity	QC	kg/h
Hot condensate capacity	QH	kg/h

TERMINOLOGY OF STEAM LOSS AND RATE OF LOAD

TERMINOLOGY	SYMBOL	UNIT
Steam loss		kg/h
No–load steam loss	Qm	kg/h
Load steam loss	qm	kg/h
Rate of no–load steam loss	RSN	%
Rate of load steam loss	RSL	%
Rate of load condensate	RL	%

Pressure (bar g)	Saturation Temperature (℃)	Pressure–Specific Volume (m^3/kg)		Saturated Steam Density (kg/m^3)	Specific Volume (kca/kg)		Latent Heat of Vaporization
		Saturated Water V	Saturated Steam V		Sensible Heat of Saturated Water i1	Thermal Energy of Steam i2	i=i2–i1
0	100	0.00104371	1.673	0.59773	100.092	639.15	539.06
0.2	105.03	0.00104774	1.41782	0.70533	105.165	641.01	535.84
0.4	109.43	0.00105138	1.23208	0.8118	109.605	642.6	532.99
0.6	113.35	0.00105473	1.09031	0.91737	113.57	644	530.43
0.8	116.89	0.00105784	0.978472	1.0221	117.16	645.23	528.07
1	120.13	0.00106075	0.888089	1.1261	120.445	646.35	525.9
1.2	123.12	0.0010635	0.813309	1.2295	123.48	647.37	523.89
14	125.9	0.0010661	0.750532	1.3325	126.309	648.3	521.99
1.6	128.5	0.00106857	0.697014	1.4349	128.953	649.15	520.2
1.8	130.94	0.00107093	0.650754	1.5367	131.445	649.94	581.49
2	133.25	0.00107321	0.610505	1.6382	133.796	650.68	516.88
2.2	135.43	0.00107539	0.575018	1.7393	136.031	651.37	515.34
2.4	137.52	0.0010775	0.543509	1.8401	138.159	652.02	513.86
2.6	139.5	0.00107954	0.515363	1.9406	140.191	652.63	512.44
2.8	141.4	0.00108151	0.497985	2.0408	142.136	653.2	511.06
3	143.22	0.00108343	0.467181	2.1407	144.005	653.75	509.74
3.2	144.97	0.00108533	0.446364	2.2404	145.804	654.27	508.47
3.4	146.65	0.00108711	0.427441	2.3068	147.534	654.76	507.23
3.6	148.27	0.00108888	0.410054	2.4389	149.205	655.23	506.02
3.8	149.74	0.0010905	0.395008	2.5317	150.721	655.65	504.93

Pressure (bar g)	Saturation Temperature (℃)	Pressure–Specific Volume (m^3/kg)		Saturated Steam Density (kg/m^3)	Specific Volume (kca/kg)		Latent Heat of Vaporization
		Saturated Water V	Saturated Steam V		Sensible Heat of Saturated Water i1	Thermal Energy of Steam i2	i=i2–i1
4	151.36	0.00109229	0.381516	2.6367	152.386	656.1	503.71
4.2	152.83	0.00109325	0.371376	2.6942	153.268	656.34	503.07
4.4	154.25	0.00109555	0.352924	2.8337	155377	656.9	501.52
4.6	155.64	0.00109714	0.341075	2.9321	156.81	657.28	500.47
4.8	156.78	0.00109869	0.330014	3.0302	158.203	657.64	499.44
5	158.29	0.00110022	0.319704	3.1281	159.559	657.99	498.43
5.2	159.57	0.0011017	0.309995	3.226	160.882	658.32	497.44
5.4	160.81	0.00110319	0.30087	3.3238	162.174	658.64	496.47
5.6	162.02	0.00110463	0.292292	34213	163.433	658.95	495.52
5.8	163.03	0.00110584	0.285364	3.5043	164.483	659.2	494.74
6	164.19	0.00110726	0.277617	3.6021	165.696	659.5	493.8
6.2	16532	0.00110863	0.269296	3.699	166.873	659.77	492.9
6.4	166.43	0.00110999	0.262423	3.7963	168.031	660.05	492.02
6.6	167.52	0.00111134	0.256847	3.8934	169.165	660.31	491.14
6.8	168.79	0.00111289	0.24938	4.01	170.497	660.62	490.12
7	169.78	0.00111417	0.243796	4.1019	171.526	660.85	489.32
7.2	170.8	0.00111546	0.23817	4.1988	172.592	661.09	488.5
7.4	171.8	0.00111674	0.232802	4.2811	173.639	661.32	487.68
7.6	172.79	0.00111801	0.227622	4.3933	174.678	661.54	486.86
7.8	173.74	0.00111924	0.222773	4.489	175.677	661.75	486.07
8	174.69	0.00112046	0.21808	4.5856	176.671	661.96	485.29
8.2	175.61	0.00112168	0.213588	4.682	177.647	662.17	484.52
8.4	176.53	0.00112288	0.209278	4.7785	178.607	662.37	483.76
8.6	177.43	0.00112408	0.205135	4.875	179.554	662.56	483.01
8.8	178.31	0.00112524	0.201158	4.9714	180.485	662.75	482.26
9	179.18	0.00112641	0.197334	5.0678	181.401	662.93	481.77
9.2	180.04	0.00112757	0.19374	5.1642	182.307	663.11	480.8
9.4	180.88	0.00112871	0.190104	5.2603	183.196	663.28	480.08
9.6	181.71	0.00112985	0.187791	5.3567	184.074	663.45	479.38
9.8	182.53	0.00113097	0.183393	5.4529	184.94	663.61	478.67
10	183.33	0.00113207	0.180218	5.5491	185.793	663.77	477.98
10.2	184.13	0.00113317	0.17715	5.6452	186.635	663.92	477.28
10.4	184.92	0.00113427	0.174177	57413	187.467	664.07	476.6
10.6	185.69	0.00113536	0.171598	5.8375	188.288	664.22	475.93
10.8	186.45	0.00113643	0.168537	5.9336	189.098	664.36	475.26
11	187.2	0.00113749	0.165853	6.0297	189.897	664.5	474.6
11.2	187.95	0.00113856	0.163146	6.1258	190.688	664.64	473.95
11.4	188.68	0.0011396	0.160731	6.2244	191.467	664.77	473.3
11.6	189.41	0.00114065	0.15829	6.3177	192.239	664.9	472.66

Pressure (bar g)	Saturation Temperature (℃)	Pressure–Specific Volume (m^3/kg)		Saturated Steam Density (kg/m^3)	Specific Volume (kca/kg)		Latent Heat of Vaporization
		Saturated Water V	Saturated Steam V		Sensible Heat of Saturated Water i1	Thermal Energy of Steam i2	i=i2–i1
12	191	0.00114271	0.153618	6.5097	193.755	665.15	471.39
13	194.24	0.00114773	0.143073	6.9896	197.402	665.73	468.33
14	197.47	0.0011526	0.133882	74551	200.863	666.23	465.37
15	200.53	0.00115732	0.125798	7.9493	204.159	666.68	462.52
16	203.45	0.00116192	0.118641	8.4295	207.31	667.08	459.77
17	206.24	0.0011664	0.112236	8.91	210.33	667.43	457.1
18	208.91	0.00117078	0.106486	9.3909	213232	667.74	454.51
19	21147	0.00117507	0.101294	9.8725	216.027	668.02	451.99
20	213.95	0.00117928	00965746	10.355	218.725	668.25	449.52
21	216.32	0.0011834	0.0922739	10.838	221.332	668.47	447.14
22	218.61	0.00118746	0.0883306	11.321	223.858	668.65	444.79
23	220.86	0.00119146	0.0847054	11.806	226.308	668.81	442.5
24	222.98	0.00119539	0.0813594	12.291	228.688	668.94	440.25
25	225.06	0.00119926	0.0782639	12.777	231.002	669.05	438.05
26	227.09	0.00120309	0.0753869	13.265	233.256	669.14	435.88
27	229.05	0.00120686	0.0727076	13.751	235.454	669.21	433.76
28	230.96	0.00121056	0.0703676	14.243	237.598	669.27	431.67
29	232.82	0.00121429	0.0678685	14.734	239.692	669.3	429.61
30	234.64	0.00121795	0.0656751	15.226	241.74	669.32	427.58
31	236.41	0.00122157	0.063614	15.72	243.742	669.33	425.59
32	238.14	0.00122515	0.0616731	16.214	245.704	669.32	423.62
33	239.82	0.00122871	0.0598413	16.71	247.626	669.3	421.67
34	241.47	0.00123224	0.0581117	17.208	249.511	669.27	419.76
35	243.09	0.00123573	0.0564746	17.708	251.36	669.22	417.86
36	244.67	0.0012392	0.0549221	18.208	253.176	669.16	415.98
37	246.22	0.00124266	0.053449	18.71	254.959	669.09	414.13
38	247.74	0.00124609	0.052048	19.213	256.713	669.02	412.31
39	249.23	0.00124949	0.0507153	19.718	258.437	668.93	410.49
40	250.69	0.00125288	0.0494446	20.225	260.133	668.83	408.7
41	252.12	0.00125626	0.0482326	20.733	261.804	668.72	406.91
42	253.53	0.00125961	0.0470746	21.243	263.448	668.6	405.15
43	254.91	0.00126295	0.0459671	21.755	265.068	668.47	403.4
44	256.26	0.00126628	0.0449076	22.268	266.665	668.34	401.67
45	257.6	0.00126958	0.0438819	22.783	268.241	668.2	399.95
46	258.92	0.00127289	0.0429179	23.3	269.794	668.04	398.25
47	260.21	0.00127617	0.0419832	23.819	271.326	667.88	396.55
48	261.48	0.00127945	0.041085	24.34	272.84	667.72	394.88
49	262.76	0.00128278	0.0402021	24.874	274.367	667.54	393.17
50	263.97	0.00128597	0.0393899	25.387	275.809	667.36	391.55

Q41F ANSI FLOAT BALL VALVE



ANSI ball valves are designed and manufactured with beautiful and advanced structures. The opening and closing component is the rotary ball, only used as fully open or closed. It's mainly used for cutting off or connecting pipeline media in various working conditions. Under the pressure of media, the rotary ball can produce a certain displacement and press tightly against the sealing surface. Ball bears all the load of the working media, it's used in low pressure application. It's widely used in petroleum, chemical, pharmaceutical, fertilizer, and power industries. The operate type include manual, gear, electric, pneumatic etc.

- Full bore design
- Bolt connection
- Floating structure
- Anti blow out valve stem
- Fire protection design
- Electrostatic device
- Cutting device ISO5211 fixed platform
- Flanges/welded ends
- Worm gear operation

TECHNICAL SPECIFICATION

Design standard: API608, API6D, ISO10434, ISO14313

Face to face: ASME B16.10

Connection standard: ASME B16.5

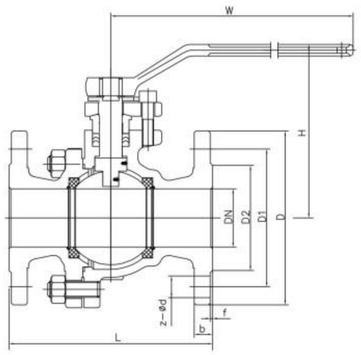
Test and inspection: API598, API6D

Anti fire: API607

Anti static: API608

TEST SPECIFICATION			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		–196℃~600℃	

NAME	MATERIAL
Body	WCB, LCB, CF8, CF8M
Bonnet	WCB, LCB, CF8, CF8M
Ball	F304, F316
Stem	SS304, SS316
Seat	RPTFE
Gasket	PTFE, GRAPHITE+304
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8
Packing	PTFE
Gland	WCB, LCB, CF8, CF8M
Locator	CS, 201
Lever	CS



DN	NPS/in	L	D	D1	D2	f	b	Z–Φd	H	W
Class150										
15	1/2	108	90	60.3	34.9	2	8	4–Φ16	188	120
20	3/4	117	100	69,9	42.9	2	8.9	4–Φ16	202	120
25	1	127	110	79.4	50.8	2	9.6	4–Φ16	225	140
32	11/4	140	115	88.9	63.5	2	11.2	4–Φ16	252	160
40	11/2	165	125	98.4	73	2	12.7	4–Φ16	277	180
50	2	178	150	120.7	92.1	2	14.3	4–Φ19	323	200
65	21/2	190	180	139.7	104.8	2	15.9	4–Φ19	347	240
80	3	203	190	152.4	127	2	17.5	4–Φ19	383	240
100	4	229	230	190.5	157.2	2	22.3	8–Φ19	457	280
125	5	356	255	215.9	185,7	2	22.3	8–Φ22.5	580	300
150	6	394	280	241.3	215.9	2	23.9	8–Φ22.5	635	300
200	8	457	345	298.5	269.9	2	27	8–Φ22.5	762	350
250	10	533	405	362	323.8	2	28.6	12–Φ25.5	910	400
300	12	610	485	431.8	381	2	30.2	12–Φ25.5	1080	500
Class300										
15	1/2	140	95	66.7	35	2	12.7	4–Φ16	155	140
20	3/4	152	115	82.6	43	2	14.3	4–Φ19	160	140
25	1	165	125	88.9	50.8	2	15.9	4–Φ19	186	160
32	11/4	178	135	98.4	63.5	2	17.5	4–Φ19	216	180
40	11/2	190	155	114.3	73	2	19.1	4–Φ22.5	250	200
50	2	216	165	127	92	2	20.7	8–Φ19	330	220
65	21/2	241	190	149,2	104.8	2	23.9	8–Φ22.5	368	250
80	3	282	210	168.3	127	2	27	8–Φ22.5	400	300
100	4	305	255	200	157.2	2	30.2	8–Φ22.5	473	300
125	5	381	280	235	185.7	2	33.4	8–Φ22.5	660	350
150	6	403	320	269.9	215.9	2	35	12–Φ22.5	711	400
200	8	502	380	330.2	269.9	2	39.7	12–Φ25.5	813	450
Class600										
15	1/2	165	95	66.7	34.9	7	14.3	4–Φ16	155	160
20	3/4	190	115	82.6	42.9	7	15.9	4–Φ19	160	190
25	1	216	125	88.9	50.8	7	17.5	4–Φ19	186	200
32	11/4	229	135	98.4	63.5	7	20.7	4–Φ19	216	220
40	11/2	241	155	114.3	73	7	22.3	4–Φ22.5	250	240
50	2	292	165	127	92.1	7	25.4	8–Φ19	375	280
65	21/2	330	190	149.2	104.8	7	28.6	8–Φ22.5	425	320
80	3	356	210	168.3	127	7	31.8	8–Φ22.5	475	350
100	4	432	275	215,9	157.2	7	38.1	8–Φ25.5	568	400
125	5	508	330	266.7	185.7	7	44.5	8–Φ28.5	610	500
150	6	559	355	292.1	215.9	7	47.7	12–Φ28.5	730	550

Q47F ANSI TRUNNION BALL VALVE



ANSI ball valves are designed and manufactured with beautiful and advanced structures. The opening and closing component is the rotary ball, only used as fully open or closed. It's mainly used for cutting off or connecting pipeline media in various working conditions. Under the pressure of media, the rotary ball can produce a certain displacement and press tightly against the sealing surface. Trunnion ball with lower stem are fixed, it's used in higher pressure application. It's widely used in petroleum, chemical, pharmaceutical, fertilizer, and power industries. The operate type include manual, gear, electric, pneumatic etc.

- Full bore design
- Bolt connection
- Trunnion structure
- Anti blow out valve stem
- Fire protection design
- Electrostatic device
- Cutting device ISO5211 fixed platform
- Flanges/welded ends
- Worm gear operation

TECHNICAL SPECIFICATION

Design standard: API608, API6D, ISO10434, ISO14313

Face to face: ASME B16.10

Connection standard: ASME B16.5

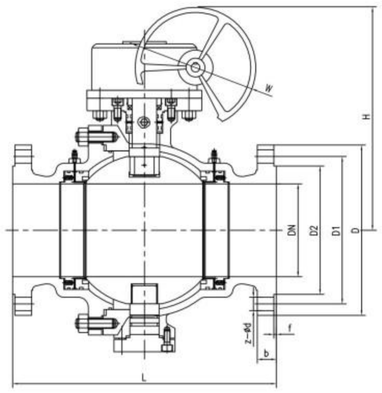
Test and inspection: API598, API6D

Anti fire: API607

Anti static: API608

TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		–196℃~600℃	

NAME	MATERIAL
Body	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Ball	F304, F316, SS420
Stem	SS304, SS316, SS420
Seat	2Cr13+PTFE, SS304+PTFE, SS316+PTFE
Packing	PTFE
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8



DN	NPS/in	L	D	D1	D2	f	b	Z-Φd	H	W
Class150										
100	4	229	230	190.5	157.2	2	24.3	8-Φ19	330	300
125	5	356	255	215.9	185.7	2	24.3	8-Φ22	360	300
150	6	394	280	241.3	215.9	2	25.9	8-Φ22	392	300
200	8	457	345	298.5	269.9	2	29	8-Φ22	492	300
250	10	533	405	362	323.8	2	30.6	12-Φ25	548	300
300	12	610	485	431.8	381	2	32.2	12-Φ25	688	400
350	14	686	535	476.3	412.8	2	35.4	12-Φ29	722	400
400	16	762	595	539.8	469.9	2	37	16-Φ29	722	400
450	18	864	635	577.9	533.4	2	40.1	16-Φ32	804	500
500	20	914	700	635	584.2	2	43.3	20-Φ32	952	600
600	24	1067	815	749.3	692.2	2	48.1	20-Φ35	1154	750
Class300										
100	4	305	255	200	157.2	2	32.2	8-Φ22	340	300
125	5	381	280	235	185.7	2	35.4	8-Φ22	370	300
150	6	403	320	269.9	215.9	2	37	12-Φ22	402	300
200	8	502	380	330.2	269.9	2	41.7	12-Φ25	498	300
250	10	568	445	387.4	323.8	2	48.1	16-Φ29	655	400
300	12	648	520	450.8	381	2	51.3	16-Φ32	658	400
350	14	762	585	514.4	412.8	2	54.5	20-Φ32	686	400
400	16	838	650	571.5	469.9	2	57.6	20-Φ35	880	600
450	18	914	710	628.6	533.4	2	60.8	24-Φ35	1050	750
500	20	991	775	685.8	584.2	2	64	24-Φ35	1110	750
600	24	1143	915	812.8	692.2	2	70.3	24-Φ41	1400	750
Class600										
50	2	292	165	127	92.1	7	27.4	8-Φ19	240	300
65	2 1/2	330	190	149.2	104.8	7	30.6	8-Φ22	290	300
80	3	356	210	168.3	127	7	33.8	8-Φ22	340	300
100	4	432	275	215.9	157.2	7	40.1	8-Φ25	358	300
125	5	508	330	266.7	185.7	7	46.5	8-Φ29	400	300
150	6	559	355	292.1	215.9	7	49.7	12-Φ29	445	400
200	8	660	420	349.2	269.9	7	57.6	12-Φ32	498	400
250	10	787	510	431.8	323.8	7	65.5	16-Φ35	653	400
300	12	838	560	489	381	7	68.7	20-Φ35	665	500
350	14	889	605	527	412.8	7	71.9	20-Φ38	738	600
400	16	991	685	603.2	469.9	7	78.2	20-Φ41	920	750

Z41H ANSI GATE VALVE



ANSI gate valves are designed and manufactured with beautiful and advanced structures. The opening and closing component is the valve wedge, only used as fully open or closed.It's mainly used for cutting off or connecting pipeline media in various working conditions.It's widely used in petroleum, chemical, pharmaceutical, fertilizer, and power industries. The operate type include manual, gear, electric, pneumatic etc.

TECHNICAL SPECIFICATION

Design standard: API600, API6D

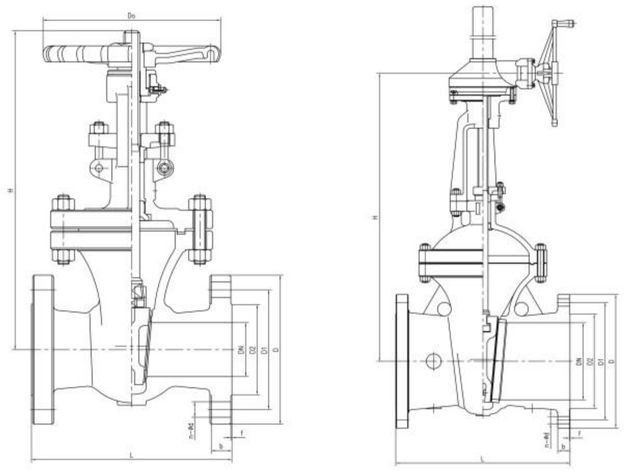
Face to face: ASME B16.10

Connection standard: ASME B16.5

Test and inspection: API598, API6D

TEST SPECIFICATION			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	WCB, CF8, CF8M
Gasket	GRAPHITE+304
Seat	A105+13Cr, A105+STL, CF8, CF8M
Disc	WCB+13Cr, WCB+STL, CF8, CF8M
Stem	F6a, F304, F316
Sleeve	F6a, F304, F316
Packing	GRAPHITE
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Pin	A36, SS304, SS316
Gland	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Stem Nut	A439 D2
Cap	WCB
Handwheel	CI



NPS	L	D	D1	D2	D6	b–f	f2	Z–ϕd	H	D0
	150LB									
1/2	108	90	60.3	34.9	/	8–2	/	4–16	188	120
3/4	117	100	69.9	42.9	/	8.9–2	/	4–16	202	120
1	127	110	79.4	50.8	/	9.6–2	/	4–16	225	140
1–1/4	140	115	88.9	63.5	/	11.2–2	/	4–16	252	160
1–1/2	165	125	98.4	73	/	12.7–2	/	4–16	277	180
2	178	150	120.7	92.1	/	14.3–2	/	4–19	310	200
2–1/2	190	180	139.7	104.8	/	15.9–2	/	4–19	380	220
3	203	190	152.4	127	/	17.5–2	/	4–19	412	240
4	229	230	190.5	157.2	/	22.3–2	/	8–19	471	280
5	254	255	215.9	185.7	/	22.3–2	/	8–22	516	300
6	267	280	241.3	215.9	/	23.9–2	/	8–22	588	300
8	292	345	298.5	269.9	/	27–2	/	8–22	741	350
10	330	405	362	323.8	/	28.6–2	/	12–25	903	400
12	356	485	431.8	381	/	30.2–2	/	12–25	1054	500
14	381	535	476.3	412.8	/	33.4–2	/	12–29	1295	600
16	406	595	539.8	469.9	/	35–2	/	16–29	1435	600
18	432	635	577.9	533.4	/	38.1–2	/	16–32	1626	650
20	457	700	635	584.2	/	41.3–2	/	20–32	1859	650
24	508	815	749.5	692.2	/	46.1–2	/	20–35	2175	700
26	559	870	806.4	749	/	66.7–2	/	24–35	2387	/
28	610	925	863.6	800	/	69.9–2	/	28–35	2590	/
30	510	985	914.4	857	/	73.1–2	/	28–35	2819	/
32	711	1060	977.9	914	/	79.4–2	/	28–41	2870	/
36	711	1170	1085.8	1022	/	88.9–2	/	32–41	2997	/
40	1067	1290	1200.2	1124	/	88.9–2	/	36–41	3302	/

NPS	L	D	D1	D2	D6	b–f	f2	Z–ϕd	H	D0
	300LB									
1/2	140	95	66.7	34.9	/	12.7–2	/	4–16	188	120
3/4	152	115	82.6	42.9	/	14.3–2	/	4–19	202	120
1	165	125	88.9	50.8	/	15.9–2	/	4–19	225	140
1–1/4	178	135	98.4	63.5	/	17.5–2	/	4–19	252	160
1–1/2	190	155	114.3	73	/	19.1–2	/	4–22	277	180
2	216	165	127	92.1	/	20.7–2	/	8–19	353	250
2–1/2	241	190	149.2	104.8	/	23.9–2	/	8–22.5	377	250
3	282	210	168.3	127	/	27–2	/	8–22.5	397	300
4	305	255	200	157.2	/	30.2–2	/	8–22.5	482	300
5	381	280	235	185.7	/	33.4–2	/	8–22.5	568	350
6	403	320	259.9	215.9	/	35–2	/	12–22.5	625	350
8	419	380	330.2	259.9	/	39.7–2	/	12–25.5	776	400
10	457	445	337.4	323.8	/	46.1–2	/	16–29	958	500
12	502	520	450.8	381	/	49.3–2	/	16–32	1135	600
14	762	585	514.4	412.8	/	52.4–2	/	20–32	1205	600
16	838	650	571.5	459.9	/	55.6–2	/	20–35	1367	650
18	914	710	628.6	533.4	/	58.8–2	/	24–35	2077	/
20	991	775	635.8	584.2	/	62–2	/	24–35	2310	/
24	1143	915	812.8	692.2	/	68.3–2	/	24–41	2810	/
26	1245	970	876.3	749	/	77.8–2	/	28–45	3105	/
28	1346	1035	939.8	800	/	84.2–2	/	28–45	3300	/

NPS	L	D	D1	D2	D6	b–f	f2	Z–ϕd	H	D0
	600LB									
1/2	165	95	66.7	34.9	/	14.3–7	/	4–16	195	200
3/4	190	115	82.6	42.9	/	15.9–7	/	4–19	210	240
1	216	125	88.9	50.8	/	17.5–7	/	4–19	238	240
1–1/4	229	135	98.4	63.5	/	20.7–7	/	4–19	278	300
1–1/2	241	155	114.3	73	/	22.3–7	/	4–22	312	300
2	292	165	127	92.1	/	25.4–7	/	8–19	379	350
2–1/2	330	190	149.2	104.8	/	28.6–7	/	8–22.5	420	400
3	356	210	168.3	127	/	31.8–7	/	8–22.5	461	450
4	432	275	215.9	157.2	/	38.1–7	/	8–25.5	545	500
5	508	330	266.7	185.7	/	44.5–7	/	8–29	630	600
6	559	355	292.1	215.9	/	47.7–7	/	12–29	745	700
8	660	420	349.2	269.9	/	55.6–7	/	12–32	881	700
10	787	510	431.8	323.8	/	63.5–7	/	16–35	1062	800
12	838	560	489	381	/	66.7–7	/	20–35	1194	/
14	889	605	527	412.8	/	69.9–7	/	20–38	1630	/
16	991	685	603.2	469.9	/	76.2–7	/	20–41	2032	/
18	1092	745	654	533.4	/	82.6–7	/	20–44.5	2186	/
20	1194	815	723.9	584.2	/	88.9–7	/	24–44.5	2420	/
24	1397	940	838.2	692.2	/	101.6–7	/	24–51	2845	/

J41H ANSI GLOBE VALVE



ANSI globe valves are designed and manufactured with beautiful and advanced structures. The opening and closing component is the valve disc, normally used as fully open or closed. The conical valve disc can effectively throttle but can't regulate flow. It's mainly used for cutting off or connecting pipeline media in various working conditions. It's widely used in petroleum, chemical, pharmaceutical, fertilizer, and power industries. The operate type include manual, gear, electric, pneumatic etc

TECHNICAL SPECIFICATION

Design standard: API623, ASME B16.34

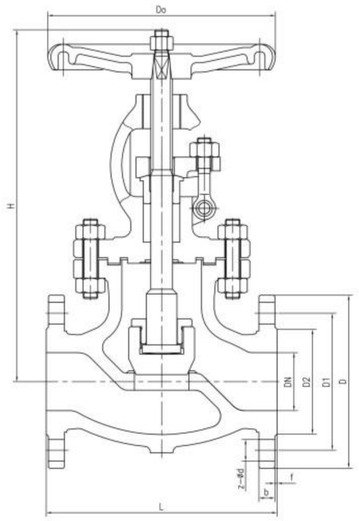
Face to face: ASME B16.10

Connection standard: ASME B16.5

Test and inspection: API598

TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Disc	WCB, CF8, CF8M
Seat	13Cr, STL
Stem	F6a, F304, F316
Gasket	GRAPHITE+304
Packing	GRAPHITE
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8



DN	NPS/in	L	D	D1	D2	f	b	Z-Φd	H	D0
Class150										
15	1/2	108	90	60.3	35	2	8	4-Φ16	235	120
20	3/4	117	100	70	43	2	9	4-Φ16	241	120
25	1	127	110	79.4	51	2	9.6	4-Φ16	242	140
32	11/4	140	115	89	63,5	2	11.2	4-Φ16	280	160
40	11/2	165	125	98.4	73	2	12.7	4-Φ16	315	180
50	2	203	150	120.7	92	2	14.3	4-Φ19	350	220
65	21/2	216	180	139.7	105	2	15.9	4-Φ19	370	240
80	3	241	190	152.4	127	2	17.5	4Φ19	385	280
100	4	292	230	190.5	157.2	2	22.3	8-Φ19	454	280
125	5	356	255	216	185.7	2	22.3	8-Φ22.5	472	350
150	6	406	280	241.3	216	2	23.9	8-Φ22.5	541	350
200	8	495	345	298.5	270	2	27	8-Φ22.5	590	450
250	10	622	405	362	324	2	28.6	12-Φ25.5	780	500
300	12	698	485	431.8	381	2	30.2	12-Φ25.5	870	550
350	14	787	535	476.3	413	2	33.4	12-Φ28.5	900	600
400	16	914	595	539.8	470	2	35	16-Φ28.5	1250	600
450	18	978	635	578	533.4	2	38.1	16-Φ32	1320	610
500	20	978	700	635	584.2	2	41.3	20-Φ32	1390	650
Class300										
15	1/2	152	95	66.7	35	2	12.7	4-Φ16	241	140
20	3/4	178	115	82.6	43	2	14.3	4-Φ19	241	140
25	1	203	125	89	50.8	2	15.9	4-Φ19	283	160
32	11/4	216	135	98.5	63.5	2	17.5	4-Φ19	320	200
40	11/2	229	155	114.3	73	2	19.1	4-Φ22.5	322	200
50	2	267	165	127	92.1	2	20.7	8-Φ19	345	240
65	21/2	292	190	149.2	104.8	2	23.9	8-Φ22.5	377	280
80	3	318	210	168.3	127	2	27	8-Φ22.5	464	280
100	4	356	255	200	157.2	2	30.2	8-Φ22.5	490	350
125	5	400	280	235	185.7	2	33.4	8-Φ22.5	614	400
150	6	444	320	270	216	2	35	12-Φ22.5	700	450
200	8	559	380	330.2	270	2	39.7	12-Φ25.5	777	500
250	10	622	445	387.4	323.8	2	46.1	16-Φ28.5	935	450
300	12	711	520	450.8	381	2	49.3	16-Φ32	997	500
350	14	838	585	514.4	412.8	2	52.4	20-Φ32	1058	600
400	16	864	650	571.5	470	2	55.6	20-Φ35	1320	600
450	18	978	710	628.6	533.4	2	58.8	24-Φ35	1420	700
500	20	1016	775	685.8	584.2	2	62.0	24-Φ35	1510	800
Class600										
15	1/2	165	95	66.7	35	7	14.3	4-Φ16	245	140
20	3/4	190	115	82.6	43	7	15.9	4-Φ19	245	180
25	1	216	125	89	50.8	7	17.5	4-Φ19	290	200
32	11/4	229	135	98.4	63.5	7	20.7	4-Φ19	325	200
40	11/2	241	155	114.3	73	7	22.3	4-Φ22.5	330	240
50	2	292	165	127	92.1	7	25.4	8-Φ19	345	280
65	21/2	330	190	149.2	104.8	7	28.6	8-Φ22.5	365	350
80	3	356	210	168.3	127	7	31.8	8-Φ22.5	465	350
100	4	432	275	216	157	7	38.1	8-Φ25.5	520	400
125	5	508	330	266.7	185.7	7	44.5	8-Φ28.5	635	550
150	6	559	355	292.1	216	7	47.7	12-Φ28.5	763	600
200	8	660	420	349.2	270	7	55.6	12-Φ32	845	700
250	10	787	510	431.8	323.8	7	63.5	16-Φ35	930	800
300	12	838	560	489	381	7	66.7	20-Φ35	1010	900
350	14	889	605	527	412.8	7	69.9	20-Φ38	1090	900
400	16	991	685	603.2	470	7	76.2	20-Φ41	1140	1000

H44H ANSI SWING CHECK VALVE



ANSI swing check valves are designed and manufactured with beautiful and advanced structures. The opening and closing component is rotary disc, which achieves one-way opening and closing by rotating the valve disc around the rocker axis to prevent media back flow. ANSI swing check valve automatically opens and closes the valve disc rely on the flow of the media itself. It's mainly used to prevent media back flow: prevent pump and drive motor from reversing; prevent the release of container media. It's widely used in petroleum, chemical, pharmaceutical, fertilizer, and power industries. The operate type include manual, gear, electric, pneumatic etc.

TECHNICAL SPECIFICATION

Design standard: API594, ASME B16.34

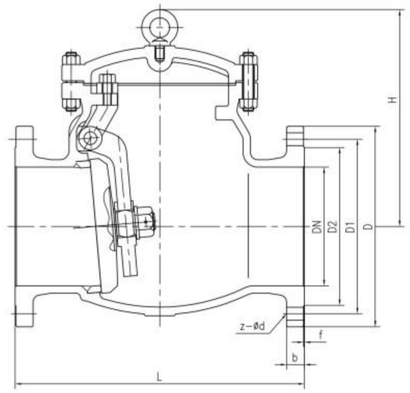
Face to face: ASME B16.10

Connection standard: ASME B16.5

Test and inspection: API598

TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Disc	WCB, CF8, CF8M
Seat	13Cr, STL
Stem	F6a, F304, F316
Pin	F6a, F304, F316
Gasket	GRAPHITE+304
Packing	GRAPHITE
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8



DN	NPS/in	L	D	D1	D2	f	b	Z-Φd	H
Class150									
40	1 1/2	165	125	98.4	73	2	12.7	4-Φ16	154
50	2	203	150	120.7	92.1	2	14.3	4-Φ19	144
65	2 1/2	216	180	139.7	104.8	2	15.9	4-Φ19	150
80	3	241	190	152.4	127	2	17.5	4-Φ19	210
100	4	292	230	190.5	157.2	2	22.3	8-Φ19	217
125	5	330	255	215.9	185.7	2	22.3	8-Φ22.5	235
150	6	356	280	241.3	216	2	23.9	8-Φ22.5	305
200	8	495	345	298.5	270	2	27	8-Φ22.5	370
250	10	622	405	362.0	323.8	2	28.6	12-Φ25.5	417
300	12	698	485	431.8	381	2	30.2	12-Φ25.5	478
350	14	787	535	476.3	412.8	2	33.4	12-Φ28.5	540
400	16	864	595	539.8	470	2	35	16-Φ28.5	620
450	18	978	635	577.9	533.4	2	38.1	16-Φ32	685
500	20	978	700	635.0	584.2	2	41.3	20-Φ32	720
600	24	1295	815	749.3	692.2	2	46.1	20-Φ35	880
650	26	1295	870	806.4	749	2	66.7	24-Φ35	910
700	28	1448	925	863.6	800	2	69.9	28-Φ35	1000
750	30	1524	985	914.4	857	2	73.1	28-Φ35	1050
Class300									
40	1 1/2	241	155	114.3	73	2	19.1	4-Φ22.5	165
50	2	267	165	127.0	92.1	2	20.7	8-Φ19	170
65	2 1/2	292	190	149.2	104.8	2	23.9	8-Φ22.5	190
80	3	318	210	168.3	127	2	27	8-Φ22.5	216
100	4	356	255	200.0	157.2	2	30.2	8-Φ22.5	260
125	5	400	280	235.0	185.7	2	33.4	8-Φ22.5	280
150	6	444	320	269.9	216	2	35	12-Φ22.5	305
200	8	533	380	330.2	270	2	39.7	12-Φ25.5	368
250	10	622	445	387.4	323.8	2	46.1	16-Φ28.5	410
300	12	711	520	450.8	381	2	49.3	16-Φ32	445
350	14	838	585	514.4	412.8	2	52.4	20-Φ32	570
400	16	864	650	571.5	470	2	55.6	20-Φ35	630
450	18	978	710	628.6	533.4	2	58.8	24-Φ35	676
500	20	1016	775	685.8	584.2	2	62	24-Φ35	740
600	24	1346	915	812.8	692.2	2	68.3	24-Φ41	900
650	26	1346	970	876.3	749	2	77.8	28-Φ44.5	930
700	28	1499	1035	939.8	800	2	84.2	28-Φ44.5	1163
750	30	1594	1090	997.0	857	2	90.5	28-Φ48	1270
Class600									
40	1 1/2	241	155	114.3	73	7	22.3	4-Φ22.5	165
50	2	292	165	127.0	92.1	7	25.4	8-Φ19	170
65	2 1/2	330	190	149.2	104.8	7	28.6	8-Φ22.5	190
80	3	356	210	168.3	127	7	31.8	8-Φ22.5	216
100	4	432	275	215.9	157.2	7	38.1	8-Φ25.5	260
125	5	508	330	266.7	185.7	7	44.5	8-Φ29	280
150	6	559	355	292.1	216	7	47.7	12-Φ29	305
200	8	660	420	349.2	270	7	55.6	12-Φ32	368
250	10	787	510	431.8	323.8	7	63.5	16-Φ35	410
300	12	838	560	489	381	7	66.7	20-Φ35	445
350	14	889	605	527	412.8	7	69.9	20-Φ38	570
400	16	991	685	603.2	470	7	76.2	20-Φ41	630
450	18	1092	745	654	533.4	7	82.6	20-Φ44	676
500	20	1194	815	723.9	584.2	7	88.9	24-Φ44	740
600	24	1397	940	838.2	692.2	7	101.6	24-Φ51	900

GL41H ANSI Y STRAINER



ANSI y strainer is a necessary device of pipeline, usually installed before pressure reducing valves, control valves or other equipment. It can remove impurities of media and protect the normal use of valves and equipment. When the media enters the filter screen, its impurities are blocked and clean media is discharged. Simply maintenance to remove the bonnet, clean and reinstall filter screen. It is widely used in chemical, tap water, food and other pipelines application.

TECHNICAL SPECIFICATION

Design standard: ASME B16.34

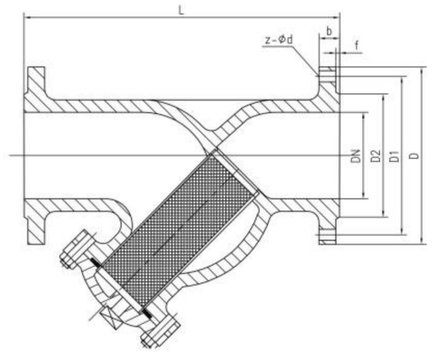
Face to face: ASME B16.34

Connection standard: ASME B16.5

Test and inspection: API598

NAME	MATERIAL
Body	WCB, CF8, CF8M
Bonnet	WCB, CF8, CF8M
Screen	SS304, SS316
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8

TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		-196℃~600℃	



NPS/in	L	d	D	D1	D2	D6	b-f	f2	Z-Φd
Class150									
1/2	166	15	90	60.3	34.9	/	8-2	/	4-16
3/4	188	20	100	69.9	42.9	/	8.9-2	/	4-16
1	188	25	110	79.4	50.8	/	9.6-2	/	4-16
1-1/4	178	32	115	88.9	63.5	/	11.2-2	/	4-16
1-1/2	181	40	125	98.4	73	/	12.7-2	/	4-16
2	200	50	150	120.7	92.1	/	14.3-2	/	4-19
2-1/2	248	63	180	139.7	104.8	/	15.9-2	/	4-19
3	256	76	190	152.4	127	/	17.5-2	/	4-19
4	308	100	230	190.5	157.2	/	22.3-2	/	8-19
6	470	150	290	241.3	215.9	/	23.9-2	/	8-22
8	543	200	345	298.5	269.9	/	27-2	/	8-22
10	661	250	405	362	323.8	/	28.6-2	/	12-25
12	759	300	485	431.8	381	/	30.2-2	/	12-25
Class300									
1/2	169	15	95	66.7	34.9	/	12.7-2	/	4-16
3/4	212	20	115	82.6	42.9	/	14.3-2	/	4-19
1	212	25	125	88.9	50.8	/	15.9-2	/	4-19
1-1/4	258	32	135	98.4	63.5	/	17.5-2	/	4-19
1-1/2	261	40	155	114.3	73	/	19.1-2	/	4-22
2	245	50	165	127	92.1	/	20.7-2	/	8-19
2-1/2	270	63	190	149.2	10.8	/	23.9-2	/	8-22.5
3	305	76	210	168.3	127	/	27-2	/	8-22.5
4	369	100	255	200	157.2	/	30.2-2	/	8-22.5
6	491	150	320	269.9	215.9	/	35-2	/	12-22.5
8	594	200	380	330.2	269.9	/	39.7-2	/	12-25.5
10	696	250	445	387.4	323.8	/	46.1-2	/	16-29

BS14 BASKET STRAINER



Basket strainer include connecting pipe, main pipe, basket filter, flange, cover. When media enters basket filter through main pipe, impurity particles blocked, and clean media passes through outlet. Easy maintenance, unscrew the bottom of the main pipe and remove the flange cover, clean and reinstall it.
It suggested installed horizontally in pipelines. It can protect compressors, pumps and other equipment in normal operation. It can also improve product purity and purify gases. Therefore, it is widely used in industries such as petroleum, chemical, synthetic fiber, medicine and food.

TECHNICAL SPECIFICATION

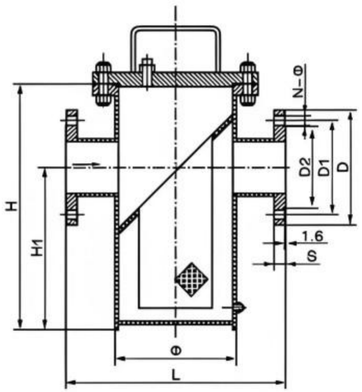
Size: DN25–DN1200

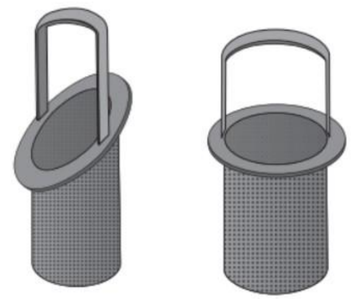
Pressure: 0.6–6.4MPa

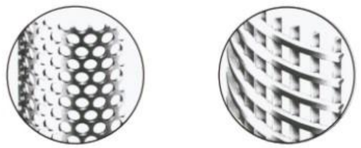
Temperature: –60~800℃

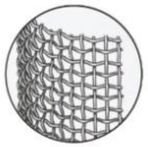
Connection: thread, flange, SW, wafer, clamp, sleeve

NAME	MATERIAL
Gasket	PTFE, GRAPHITE+SS
Relief Hole	20, Q345, WCB, SS304, SS316
Nut Bolt	20, Q345, WCB, SS304, SS316
Flange	20, Q345, WCB, SS304, SS316
Pressure Hole	20, Q345, WCB, SS304, SS316
Cover	20, Q345, WCB, SS304, SS316
Body	20, Q345, WCB, SS304, SS316
Screen	SS304, SS316
Drain Plug	20, Q345, WCB, SS304, SS316

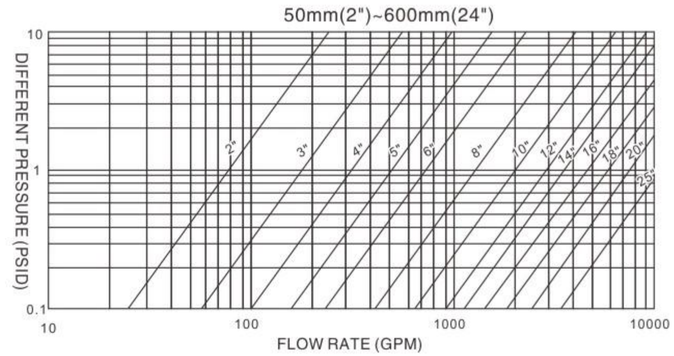








DN	L	ϕ	H	H1	D	D1	D2	S	N–ϕ
25	220	89	260	160	115	85	68	18	4–14
32	220	89	270	165	140	100	78	18	4–18
40	290	108	300	180	150	110	88	18	4–18
50	280	133	300	180	165	125	102	18	4–18
65	330	133	350	220	185	145	122	18	8–18
80	340	159	400	260	200	160	138	20	8–18
100	420	219	470	310	220	180	158	20	8–18
125	500	273	540	380	250	210	188	22	8–18
150	500	273	620	430	285	240	212	22	8–22
200	560	325	780	530	340	295	268	24	12–22
250	600	377	930	640	405	355	320	26	12–26
300	750	478	1120	800	460	410	378	28	12–26
350	800	530	1300	930	520	470	428	30	16–26
400	850	530	1400	1000	580	525	490	32	16–30
450	960	620	1500	1060	640	585	550	40	20–30



MAINTENANCE OF BS14 BASKET STAINER

1. The filter element, which is composed of a filter frame and stainless steel wire mesh. Stainless steel wire mesh is a vulnerable part and requires special protection.

2. Working for some time, impurities blocked the filter screen. It lead to the pressure drop increases and the flow rate decreases. It is necessary to remove the impurities in the filter screen in a timely manner;

3. When cleaning impurities, attention to ensure that the stainless steel wire mesh on the filter screen is not damaged. Otherwise the purity of media will not meet the design requirements, equipment such as compressors, pumps and instruments will be damaged

4. If the stainless steel wire mesh is found to be deformed or damaged, it needs to be replaced immediately.

D373H D341H ANSI BUTTERFLY VALVE



1.Butterfly valve type: center line seal, single eccentric seal, double eccentric seal, triple eccentric seal, variable eccentric seal.
2.Disc seal center and rotation center of stem, overlapped sealing load form seal stress, to provide effective sealing. Disc and seat with extrusion, seal surface can be soft material or metal.
3.Butterfly valve used to open or close. Simple structure, small size, light weight and small install space. Connection type: wafer, lug, flange, BW.
4.All the sealing parts with fire protection design.
5.Small flow resistance in the fully open, sensitive flow control in partially open.
6.The torque force is small, operating easy and fast.

TECHNICAL SPECIFICATION

Design standard: API609

Face to face: API609, ISO5752, ASME B16.10

Connection standard: ASME B16.5, ANSI B16.47

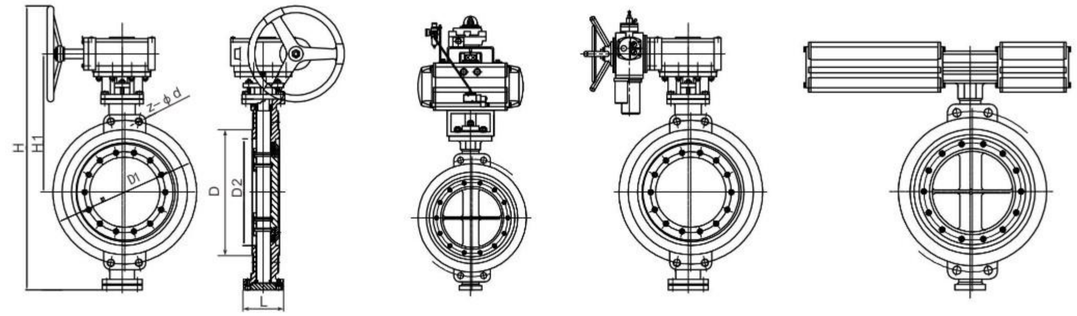
Test and inspection: API598

APPLICATION

Paper making, mining, chemical, pharmaceutical, tap water, sewage treatment, urban sewage, water conservancy etc.

TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		-196℃~600℃	

NAME	MATERIAL
Body	WCB, CF8, CF8M
Key	SS
Pin shaft	SS
Stem	SS
Disc	WCB, SS
Seal ring	PTFE+SS, GRAPHITE+SS
Retainer flange	WCB, SS
Bottom cover	WCB, CF8, CF8M
Gasket	PTFE, GRAPHITE
Lower bushing	PTFE+BRASS, BRASS
Upper bushing	PTFE+BRASS, BRASS
Packing	PTFE, GRAPHITE
Packing gland	SS
Nut	ASTM A194-2H, A194-8
Bolt	ASTM A193-B7, A193-B8
Yoke	CS



WAFER TYPE

Diameter		150LB						300LB					
Inch	mm	L	H	H1	D1	D2	Z-Φ(M)d	L	H	H1	D1	D2	Z-Φ(M)d
2	50	43	300	210	120.5	92	4-19	43	330	230	127	92	4-19
3	80	49	310	230	152.5	127	4-19	49	420	270	168.5	127	4-22
4	100	54	400	265	190.5	157	4-19	54	490	305	200	157	4-22
5	125	57	480	325	216	186	4-22	57	530	345	235	186	4-22
6	150	58	530	345	241.5	216	4-22	61	590	380	270	216	4-(3/4)
8	200	64	620	395	298.5	270	4-22	73	650	410	330	270	4-(7/8)
10	250	71	680	425	362	324	4-25	83	750	470	387.5	324	4-(1)
12	300	81	800	495	432	381	4-25	92	860	545	451	381	4(1 1/8)
14	350	92	880	555	476	413	4-29	117	940	590	514.5	413	4-(1 1/8)
16	400	102	950	590	540	470	4-(1)	133	990	640	571.5	470	4-(1 1/4)
18	450	114	1000	630	578	533	4-(1 1/8)	149	1100	690	628.5	533	4-(1 1/4)
20	500	127	1110	700	635	584	4-(1 1/8)	159	1200	740	686	584	4-(1 1/4)
24	600	154	1230	750	749.5	692	4-(1 1/4)	181	1360	850	813	692	4-(1 1/2)
28	700	165	1350	810	795.3	762	8-(3/4)	229	1430	870	857.2	787	4-(1 1/4)
32	800	190	1390	840	900.1	864	8-(3/4)	254	1570	950	977.9	902	4-(1 1/2)
36	900	203	1660	1000	1009.6	972	8-(7/8)	254	1750	1110	1089	1010	4-(1 5/8)
40	1000	216	1720	1080	1120.8	1080	8-(1)	300	1980	1200	1190.6	1114	4-(1 5/8)
48	1200	254	2080	1250	1335.1	1289	8-(1 1/8)	360	2130	1270	1416	1327	4-(1 7/8)
Diameter		600LB						900LB					
Inch	mm	L	H	H1	D1	D2	Z-Φ(M)d	L	H	H1	D1	D2	Z-Φ(M)d
2	50	43	355	230	127	92	4-(5/8)	/	/	/	/	/	/
3	80	54	480	290	168.3	127	4-(3/4)	/	/	/	/	/	/
4	100	64	510	320	215.9	157	4-(7/8)	/	/	/	/	/	/
5	125	76	590	380	266.7	186	4-(1)	/	/	/	/	/	/
6	150	78	620	400	292.1	216	4-(1)	104	760	460	317.5	216	4-(1 1/8)
8	200	102	730	460	349.2	270	4-(1 1/8)	112	850	530	393.7	270	4-(1 3/8)
10	250	117	870	550	431.8	324	4-(1 1/4)	135	980	635	469.9	324	4-(1 3/8)
12	300	140	930	600	489	381	4-(1 1/4)	170	1050	690	533.4	381	4-(1 3/8)
14	350	155	1005	630	527	413	8-(1 1/8)	173	1130	720	558.8	413	4-(1 1/2)
16	400	178	1135	705	603.2	470	8-(1 1/2)	210	1195	740	616	470	4-(1 5/8)
18	450	200	1200	750	654	533	8-(1 5/8)	228	1340	840	685.8	533	4-(1 7/8)
20	500	216	1270	780	723.9	584	8-(1 5/8)	250	1410	865	749.3	584	4-(2)
24	600	232	1440	880	838.2	692	8-(1 7/8)	275	1645	990	901.7	692	4-(2 1/2)

FLANGE TYPE

Diameter		150LB								300LB							
Inch	mm	L	H	H1	D	D1	D2	Z-Φ(M)d	bxf	L	H	H1	D	D1	D2	Z-Φ(M)d	bxf
2	50	108	300	210	150	120.5	92	4–19	18X2	108	385	240	165	127	92	8–19	23X2
2 1/2	65	112	320	220	180	139.5	105	4–19	20X2	112	400	250	190	149	105	8–22	26X2
3	80	114	340	230	190	152.5	127	4–19	22X2	114	410	260	210	168.5	127	8–22	29X2
4	100	127	400	265	230	190.5	157	8–19	24X2	127	420	270	255	200	157	8–22	32X2
5	125	140	480	325	255	216	186	8–22	21X2	110	530	315	280	235	186	8–22	35X2
6	150	140	530	345	280	241.5	216	8–22	26X2	140	590	380	320	270	216	12–22	37X2
8	200	152	620	395	345	298.5	270	8–22	29X2	152	650	410	380	330	270	12–26	42X2
10	250	165	680	425	405	362	324	12–25	31X2	165	750	470	445	387.5	324	16–29	48X2
12	300	178	800	495	485	432	381	12–25	32X2	178	660	545	520	451	381	16–32	51X2
14	350	190	880	555	535	476	413	12–29	35X2	190	940	590	585	514.5	413	20–32	54X2
16	400	216	950	590	595	540	470	16–29	37X2	216	990	640	650	571.5	470	20–35	58X2
18	450	222	1000	630	635	578	533	16–32	40X2	222	1100	690	710	628.5	533	24–35	61X2
20	500	229	1100	680	700	635	581	20–32	13X2	229	1200	710	755	686	581	21–35	61X2
24	600	267	1230	750	815	749.5	692	20–35	48X2	267	1360	850	915	813	692	24–41	70X2
28	700	292	1260	770	835	795.3	762	40–22	43.0X2	430	1410	980	920	857.2	787	36–36	87.4X2
30	750	318	1350	820	885	846.1	813	44–22	43.0X2	450	1495	1010	990	820.8	845	36–39	92.1X2
32	600	318	1400	850	940	900.1	864	48–22	44.6X2	470	1535	1080	1055	977.9	902	32–42	101.6X2
36	900	330	1550	930	1055	1009.6	972	44–26	50.9X2	510	1585	1110	1170	1089.0	1010	42–45	101.6X2
40	1000	410	1650	980	1175	1120.8	1080	44–30	54.1X2	550	1605	1150	1275	1190.6	1114	40–45	114.3X2
44	1100	450	1850	1100	1275	1222.4	1181	52–30	58.9X2	590	2100	1380	1395	1295.4	1219	40–48	125.5X2
48	1200	470	1950	1150	1390	1335.1	1289	44–33	63.6X2	630	2270	1410	1510	1416.0	1327	40–51	127.0X2
52	1300	470	2050	1200	1495	1436.7	1391	52–33	68.4X2								
56	1400	530	2200	1400	1600	1543.0	1492	60–33	71.6X2								
60	1500	530	2350	1460	1725	1662.1	1600	52–36									

Diameter		600LB								900LB							
Inch	mm	L	H	H1	D	D1	D2	Z-Φ(M)d	bxf	L	H	H1	D	D1	D2	Z-Φ(M)d	bxf
2	50	150	355	230	165	127	92	8–19	26X7	–	–	–	–	–	–	–	–
2 1/2	65	170	430	260	190	149.2	105	8–22	29X7	–	–	–	–	–	–	–	–
3	80	180	480	290	210	168.3	127	8–22	32X7	–	–	–	–	–	–	–	–
4	100	190	510	320	275	215.9	157	8–26	38X7	–	–	–	–	–	–	–	–
5	125	200	590	380	330	266.7	186	8–29	45X7	–	–	–	–	–	–	–	–
6	150	210	620	400	355	292.1	216	12–29	48X7	250	760	460	380	317.5	216	8–32	55.6X7
8	200	230	730	460	420	349.2	270	12–32	56X7	310	850	530	470	393.7	270	8–39	63.5X7
10	250	250	870	550	510	431.8	324	16–35	64X7	350	980	635	545	469.9	324	12–39	69.9X7
12	300	270	930	600	560	489	381	20–35	67X7	380	1050	690	610	533.4	381	16–39	79.4X7
14	350	290	1005	630	605	527	413	20–39	70X7	400	1130	720	640	558.8	413	16–42	85.8X7
16	400	310	1135	705	685	603.3	470	20–42	76X7	430	1195	740	705	616	470	16–45	88.9X7
18	450	330	1200	750	745	654	533	20–45	83X7	460	1340	840	785	685.8	533	16–52	101.6X7
20	500	350	1270	780	815	723.9	584	24–45	89X7	490	1410	865	855	749.3	584	16–54	108X7
24	600	390	1440	880	940	838.2	692	24–51	102X7	530	1645	990	1040	901.7	692	16–67	139.7X7
28	700	430	1700	1065	950	863.6	784	28–48	115.9X7	–	–	–	–	–	–	–	–
30	800	470	1835	1130	1085	984.2	895	28–55	130.2X7	–	–	–	–	–	–	–	–

D71X CENTERLINE BUTTERFLY VALVE



Wafer/lug centerline butterfly valve with soft seal. Butterfly valves can be used in pipelines of petroleum, chemical, food, pharmaceutical, papermaking, hydropower, shipbuilding, water supply and drainage, metallurgy, energy and other systems.

Suitable for various corrosive gases, liquids, semi liquids, and solid powder media.

Butterfly valves are mainly composed of valve bodies, shafts, butterfly plates, valve seats, and driving mechanisms (handles, worm gears, pneumatic or electric devices). The purpose of opening and closing and controlling flow is achieved by driving the shaft and butterfly plate to rotate through the driving mechanism.

WORK PRINCIPLE

1. Simple and compact structure, small and lightweight, easy to transport, install, and disassemble.

2. 90 degrees open and close, switch quickly. Small operating torque and easy operation.

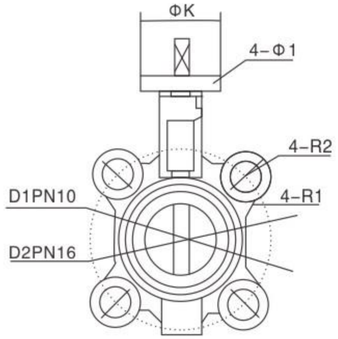
3. Good sealing performance, long service life, and can achieve zero leakage.

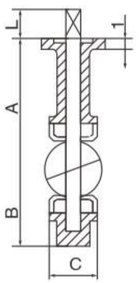
4. Choose different component materials that can be applied to multiple media.

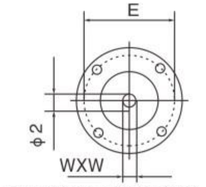
5. The flow characteristics are similar to a straight line, with good regulation performance.

PN(MPa)	DN(mm)	Test Pressuer (Mpa)		Media	Operation
		Strength	Seal		
1.0	25–1200	1.5	1.1	Suitable for various corrosive gases, liquids, semi liquids, and solid powder media.	Handles, worm gears, pneumatic or electric devices
1.6		2.4	1.8		

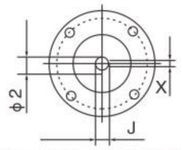
Name	Body, Disc	Stem	Seal Ring	Packing
Material	Cast Iron, Ductile Iron, WCB, CF8	CS, SS, 2CR13, 1CR18NI9TI	Natural rubber, nitrile rubber, ethylene propylene rubber, polytetrafluoroeth ylene fluororubber	Graphite







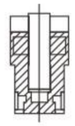
DN40(1.5")~DN300(12")



DN350(14")~DN600(24")



DN40(1.5")~DN350(14")



DN400(16")~DN600(24")

mm	inch	A	B	C	D	L	D1	D2	φ1	φK	E	R1 (PN10)	R2 (PN16)	φ2	f	J	X	WXW
40	1.5	125	73	33	39	32	110	110	7	65	50	R9.5	R9.5	12.6	10	–	–	9×9
50	2	125	73	43	52	32	125	125	7	65	50	R9.5	R9.5	12.6	10	–	–	9×9
65	2.5	136	82	46	64	32	145	145	7	65	50	R9.5	R9.5	12.6	10	–	–	9×9
80	3	142	91	46	78	32	160	160	7	65	50	R9.5	R9.5	12.6	10	–	–	9×9
100	4	163	106	52	104	32	180	180	10	90	70	R9.5	R9.5	15.77	12	–	–	11×11
125	5	176	128	56	123	32	210	210	10	90	70	R9.5	R9.5	18.92	12	–	–	14×14
150	6	196	143	56	155	32	240	240	10	90	70	R11.5	R11.5	18.92	12	–	–	14×14
200	8	228	170	60	202	45	295	295	12	125	102	R11.5	R11.5	22.1	15	–	–	17×17
250	10	258	204	68	250	45	350	355	12	125	102	R11.5	R14	28.45	15	–	–	22×22
300	12	292	239	78	301	45	400	410	12	125	102	R11.5	R14	31.6	15	–	–	22×22
350	14	336	267	78	333.3	45	460	470	14	150	125	R11.5	R14	31.6	18	34.6	8	–
400	16	365	297	102	389.6	51	515	525	18	175	140	R14	R15.5	33.15	23	36.15	10	–
450	18	400	315	114	440.5	51	565	585	18	175	140	R14	R14	38	23	10.95	10	–
500	20	440	348	127	492	64	620	650	18	175	140	R14	R14	41.14	27	44.12	10	–
600	24	525	467	154	593	70	725	770	22	210	165	R15.5	R15.5	50.65	27	54.62	16	–

CP WAFER THROUGH KNIFE GATE VALVE



1.The through knife gate valve is a bidirectional valve seals with flow in both directions of zero leakage. It' s widely used for highly concentrated flow media. With a through going O port plate, it can provide stable and safe shutoff performance without clogging.
2.Split body with machined inner body, avoid adhesion of media in body cavity. Full bore design minimizes pressure drop and maximizes flow capacity. Packing at both top and bottom eliminates leakage to surrounding.
3.Through gate with O port cut through a disc of media down when closing and return this portion back when opening. Gate thickness can be increased to meet higher pressure. Gate surface is well polished at both sides for tight seal and less jamming. Gate is hard chrome coated for metal sealing.
4.Side entry seat is replaceable, reducing the cost of maintenance. L shape seat retainer locks seat into valve body and covers seat side to prevent direct flow flushing. With seats on both sides, valve can handle flow in both directions equally.
5.Stem cover is available to ensure long service life for stem. Two thrust bearings minimize operation torque. Grease nipple is available for bearing lubrication.

TECHNICAL SPECIFICATION

Design standard: MSS SP-81-2006

Face to face: MSS SP-81-2006

Connection standard: GB/T9113, , EN1092, ASME B16.5, AS2129/4087, JIS B2220

Test and inspection: MSS SP-81-2006

Size: DN50-DN600(larger diameters on request)

Working pressure:

DN50-DN250/NPS2-10: 10 Bar/150 psi

DN300-DN450/NPS 12-18: 7 Bar/90 psi

DN500-DN600/NPS 20-24: 4 Bar/60 psi

DN700-DN1200/NPS 28-52: 2 Bar/30 psi

APPLICATION

Paper making, mining, chemical, pharmaceutical, tap water, sewage treatment, urban sewage, water conservancy etc.

ACTUATOR OPTION

Manual: Hand wheel(Rising &Non-rising Stem), bevel gear, chain wheel, lever.

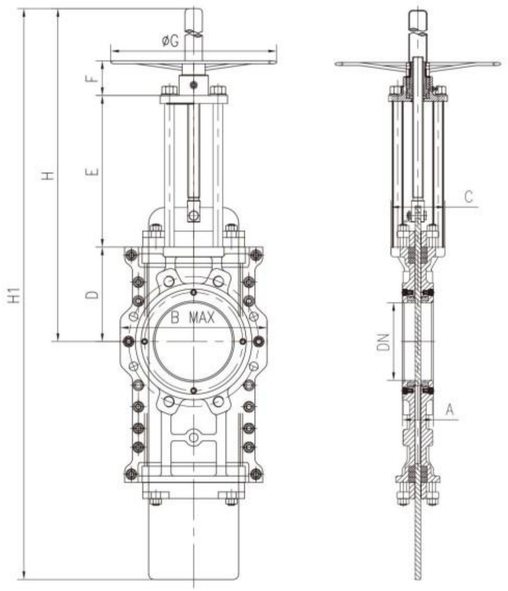
Automatic: Electric, pneumatic(single&double-acting), hydraulic.

ACCESSORIES

Actuator manual override, stem extension, positioner, proximity switches, locking device, solenoid valve, limit switches, ISO mount.

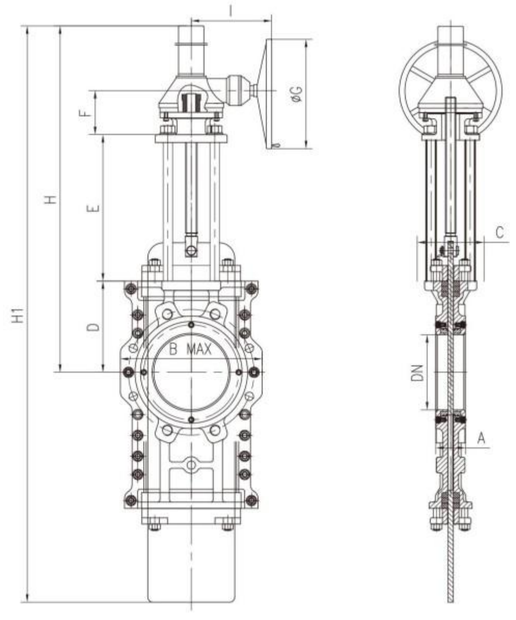
NAME	MATERIAL
Body	WCB, CF8, CF8M
Gate	SS304, SS316
Seat	METAL, EPDM
O Ring	NBR
Seat Retainer	WCB, CF8, CF8M
Packing	PTFE
Gland	WCB, CF8, CF8M
Yoke	Q235, SS304
Stem	2Cr13
Stem Nut	BRASS
Bearing House	WCB
Thrust Bearing	65Mn
Handwheel	GGG30 EPOXY COATED
Stem Protector	SS304
Fasteners	A2-70

RISING STEM VALVE



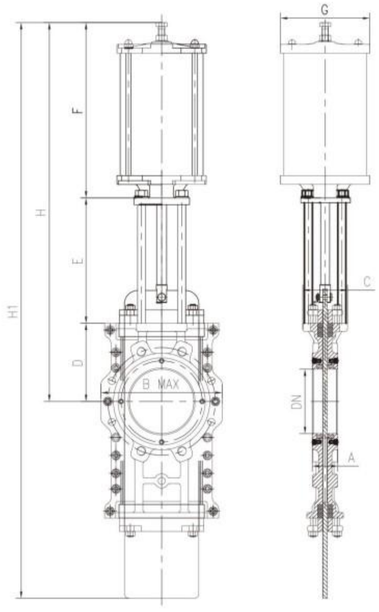
DN	A	B	C	D	E	F	G	H	H1	Weight(kg)
50	48	140	106	100	129	85	180	340	530	15
65	48	175	106	135	147	85	180	420	710	17
80	51	185	106	145	168	85	200	480	810	23
100	51	220	106	150	192	85	200	520	850	24
125	57	195	120	170	215	87	250	590	1000	35
150	57	225	130	175	245	87	280	650	1100	41
200	70	280	130	215	302	105	300	800	1380	68
250	70	356	140	270	355	105	350	960	1670	84
300	76	405	160	310	401	105	400	1100	1950	118
350	76	480	180	330	465	117	450	1250	2200	177
400	89	530	180	375	511	117	450	1460	2780	230

BEVEL GEAR VALVE



DN	A	B	C	D	E	F	G	H	H1	I	Weight(kg)
200	70	280	130	215	302	105	310	620	1400	150	93
250	70	356	140	270	355	105	310	740	1710	150	115
300	76	405	160	310	401	105	310	830	2000	170	150
350	76	480	180	330	465	117	310	930	2260	170	210
400	89	530	180	375	511	117	310	1090	2730	170	270
450	89	610	240	420	580	100	460	1180	2820	233	380
500	114	650	270	465	640	100	460	1450	3400	233	470
600	114	805	270	500	740	100	460	1850	4120	233	580

DOUBLE ACTING PNEUMATIC VALVE



DN	A	B	C	D	E	F	G	H	Cylinder	Connect	Weight(kg)
50	48	140	106	100	129	230	100	475	C100/60	F1/4	18
65	48	175	106	135	147	245	100	540	C100/75	F1/4	22
80	51	185	106	145	168	270	120	570	C125/85	F1/4	28
100	51	220	106	150	192	300	120	605	C125/110	F1/4	32
125	57	195	120	170	215	330	150	620	C160/135	F3/8	43
150	57	225	130	175	245	350	150	775	C160/160	F3/8	52
200	70	280	130	215	302	440	195	950	C200/210	F3/8	91
250	70	356	140	270	355	505	240	1165	C250/260	F3/8	115
300	76	405	160	310	401	550	280	1285	C300/310	F3/8	158
350	76	480	180	330	465	620	380	1385	C300/360	F3/8	260
400	89	530	180	375	511	670	395	1530	C320/410	F3/8	350
450	89	610	240	420	580	710	395	1780	C320/460	F3/8	410
500	114	650	270	465	640	800	425	1915	C350/510	F3/8	520
600	114	805	270	500	740	910	425	2190	C350/610	F3/8	710

UP WAFER BIDIRECTIONAL KNIFE GATE VALVE



1.The knife gate valve is a bidirectional valve seals with flow in both directions of zero leakage. The u-shape peripheral seat design ensures full port flow and non-clogging shut off. It's suitable for media such as pulp stock, chemicals, sludge, bio mass, slurry and water.
2.Integral body design ensures easy assembly and O shell leakage. Full port design minimizes pressure drop and maximze flow capacity. Cavity free bore prevents valve body from any particle accumulation.
3.Beveled knife wedge provides strong cutting stress and tight sealing. Wedge thickness can be increased to meet higher pressure. Wedge surface is well polished at both sides for tight seal and less jamming.
4.U-shaped elastomer seat provides a peripheral seal along the wedge and ensures tight seal in both flow directions.
5.Stem cover is available to ensure long service life for stem. Two thrust bearings minimze operation torque. Grease nipple is available for bearing lubrication.

TECHNICAL SPECIFICATION

Design standard: MSS SP-81-2006

Face to face: MSS SP-81-2006

Connection standard: GB/T9113, , EN1092, ASME B16.5, AS2129/4087, JIS B2220

Test and inspection: MSS SP-81-2006

Size: DN50-DN600(larger diameters on request)

Working pressure:

DN50-DN250/NPS2-10: 10 Bar/150 psi

DN300-DN450/NPS 12-18: 7 Bar/90 psi

DN500-DN600/NPS 20-24: 4 Bar/60 psi

ACTUATOR OPTION

Manual: Hand wheel(Rising &Non-rising Stem), bevel gear, chain wheel, lever.

Automatic: Electric, pneumatic(single&double-acting), hydraulic.

ACCESSORIES

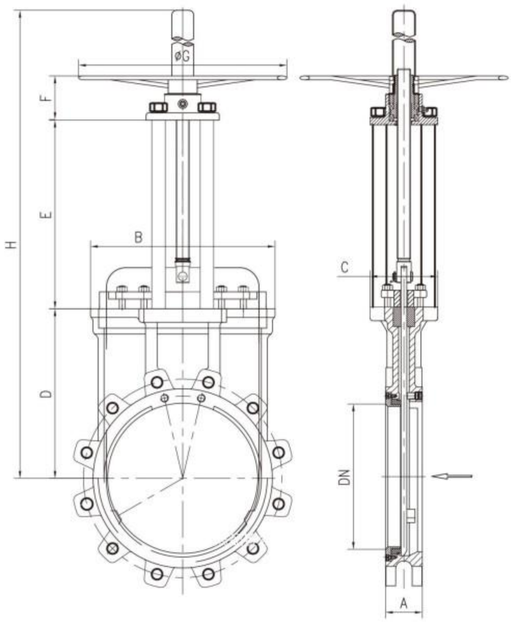
Actuator manual override, stem extension, positioner, proximity switches, locking device, solenoid valve, limit switches, ISO mount.

OTHER OPTIONS

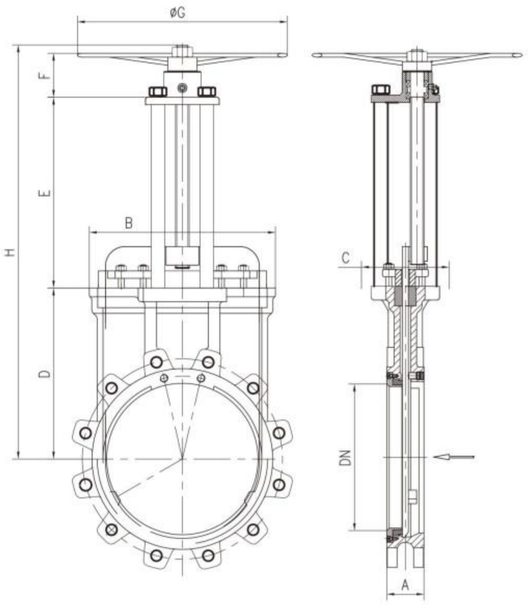
Semi lug design, fabricated valve, other materials for valve.

NAME	MATERIAL
Body	GGG40, WCB, CF8, CF8M
Seat	VITON, EPDM
Disc	SS304, SS316
Packing	PTFE
Gland	WCB
Yoke	45
Stem	2Cr13
Stem nut	BRASS
Thrust bearing	65Mn
Bearing house	WCB
Handwheel	GGG30 EXPOXY COATED
Stem protector	SS304
Fasteners	A2-70

RISING STEM VALVE

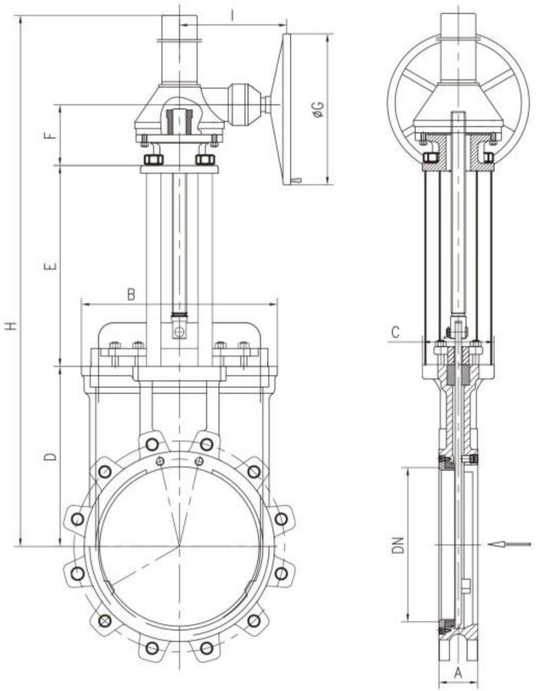


NON RISING STEM



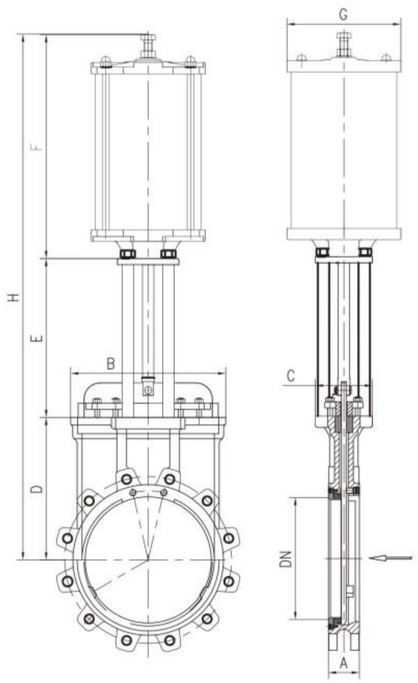
DN	A	B	C	D	E	F	G	H	Weight(kg)
50	48	130	106	105	129	85	180	400	9
65	48	145	106	125	147	85	180	446	11
80	51	160	106	140	168	85	200	497	12
100	51	180	106	155	192	85	200	565	16
125	57	215	120	185	215	87	250	655	20
150	57	215	130	200	245	87	280	720	25
200	70	280	130	225	302	105	300	880	43
250	70	330	140	275	355	105	350	1045	62
300	76	380	160	325	401	105	400	1175	78
350	76	440	180	370	465	117	450	1345	112
400	89	490	180	435	511	117	450	1505	154

BEVEL GEAR VALVE



DN	A	B	C	D	E	F	G	H	I	Weight(kg)
200	70	280	130	225	302	105	310	1055	150	60
250	70	330	140	275	355	105	310	1210	150	88
300	76	380	160	325	401	105	310	1390	170	103
350	76	440	180	370	465	117	310	1570	170	163
400	89	490	180	435	511	117	310	1720	170	204
450	89	555	240	480	580	178	460	1780	233	238
500	114	590	270	520	640	178	460	1910	233	265
600	114	690	270	625	740	178	460	2180	233	300

PNEUMATIC VALVE



DN	A	B	C	D	E	F	G	H	Cylinder	Connect	Weight (kg)
50	48	130	106	105	129	230	100	465	C80/60	F1/4	15
65	48	145	106	125	147	245	100	520	C80/75	F1/4	17
80	51	160	106	140	168	270	120	580	C100/85	F1/4	18
100	51	180	106	155	192	300	120	650	C100/100	F1/4	22
125	57	215	120	185	215	330	150	730	C125/135	F1/4	29
150	57	215	130	200	245	350	150	795	C125/160	F1/4	34
200	70	280	130	225	302	440	195	970	C160/210	F3/8	69
250	70	330	140	275	355	505	240	1135	C200/260	F3/8	101
300	76	380	160	325	401	550	280	1275	C250/310	F3/8	138
350	76	440	180	370	465	620	380	1450	C250/360	F3/8	210
400	89	490	180	435	511	670	395	1620	C300/410	F3/8	250
450	89	555	240	480	580	710	395	1770	C300/460	F3/8	310
500	114	590	270	520	640	800	425	1960	C320/510	F3/8	347
600	114	690	270	625	740	910	425	2275	C320/610	F3/8	392

VQD WAFER V BALL VALVE



1.V ball valve is primarily designed for flow control and shutoff. The V ball with strong shear stress to cut through media with fibers and particles. It's widely used as control valve for pulp and paper process applications.
2.One piece body prevent leakage caused by separate flange or locking ring.
3.Special V ball provide strong cutting stress and tight sealing. It with small operate torque and tight seal.
4.Special seat design eliminates cavity between seat and valve body, prevent media from jamming between body and seat, with reliable seal.
5.Nitriding/WC/STL/Ni coated seal surface for abrasive media.
6.Stem is finely grounded to match actuator excellently, which prevents rocking motion and potential failure of the V port valve. Spline is available for stem and ball connection to provide reliable transmission without motion lost or dead band.

TECHNICAL SPECIFICATION

Design standard: MANUFACTURER STANDARD

Face to face: MANUFACTURER STANDARD, ISA S75, IEC/DIN 534

Connection standard: GB/T9113, , EN1092, ASME B16.5

Test and inspection: GB/T4213

Size: DN25–DN500

Working pressure:

PN10, PN16, PN25, 150LB

APPLICATION

Paper making, mining, chemical, pharmaceutical, tap water, sewage treatment, urban sewage, water conservancy etc.

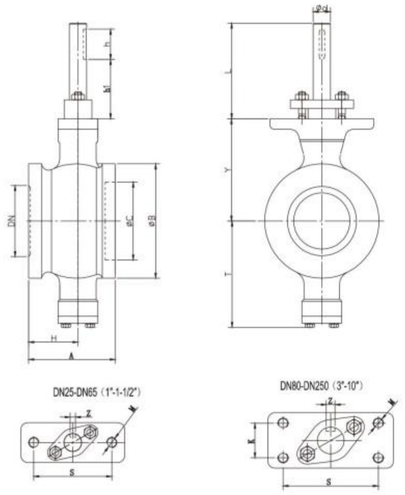
ACTUATOR OPTION

Manual: Handle bar(DN25–DN100), worm gear, chain wheel, lever.
Automatic: Electric, pneumatic(single&double–acting).

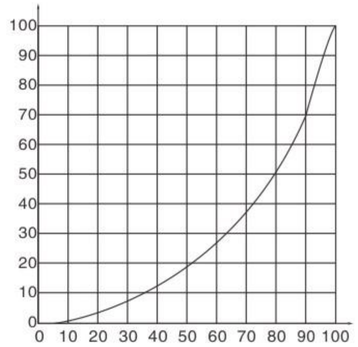
ACCESSORIES

Actuator manual override, limit switch, air filter, positioner, solenoid valve, mounting bracket.

NAME	MATERIAL
Body	WCB, CF8, CF8M
V Ball	CF8+HCr, CF8M+HCr
Pin	SS304, SS316
Seat	304+STL, 316+STL
Spring	316L
O Ring	VITON
Bearing	304+PTFE, 316+PTFE
Lower Stem	SS304, SS316
O Ring	VITON
Gland	WCB, CF8, CF8M
Gasket	PTFE
Washer	Q235, SS304, SS316
Bolt	25, 304
Bearing	304+PTFE, 316+PTFE
Key	SS304, SS316
Packing	PTFE, GRAPHITE
Gland	WCB, CF8, CF8M
Nut	Q235, SS304, SS316
Upper Stem	SS304, SS316



FLOW CHARACTERISTIC



SIZ	CV
DN25	36
DN32	56
DN40	94
DN50	152
DN65	262
DN80	358
DN100	540
DN125	906
DN150	1424
DN200	2176
DN250	3532

VALVE TORQUE

PN10/16.ANSI150LB tested under 10 bar (differential pressure)

Size	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250
Torg.NM	20	25	30	35	50	60	80	110	170	240	430

PN25 tested under 20 bar (differential pressure)

Size	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250
Torg.NM	30	36	40	42	62	95	140	220	360	590	1100

DN	A	B	C	T	Y	L	d	h	S	K	M	Z	Weight(kg)	
													PN10/16	PN25
25	50	68	38	81	73	75	16	35	75	/	2-M10	5	2.6	2.9
32	60	76	45	86	78	75	16	35	75	/	2-M10	5	3	3.3
40	60	84	50	90	80	75	16	35	75	/	2-M10	5	3.5	4
50	75	100	62	93	90	75	16	35	75	/	2-M10	5	4.5	5
65	100	118	73	108	105	75	16	35	75	/	2-M10	5	6	7
80	100	132	90	123	118	75	20	35	90	8	4-M10	6	8	9
100	115	158	115	138	130	75	20	35	90	28	4-M10	6	12	13
125	129	184	134	148	145	80	25	40	90	28	4-M10	8	19	20
150	160	216	164	170	170	94	30	50	110	40	4-M12	8	30	33
200	200	268	206	200	201	94	30	50	110	40	4-M12	8	47	51
250	240	326	260	240	237	98	40	60	135	40	4-M16	12	79	87

VQF FLANGE V BALL VALVE



1.V ball valve is primarily designed for flow control and shutoff. The V ball with strong shear stress to cut through media with fibers and particles. It's widely used as control valve for pulp and paper process applications.
2.One piece body prevent leakage caused by separate flange or locking ring.
3.Special V ball provide strong cutting stress and tight sealing. It with small operate torque and tight seal.
4.Special seat design eliminates cavity between seat and valve body, prevent media from jamming between body and seat, with reliable seal.
5.Nitriding/WC/STL/Ni coated seal surface for abrasive media.
6.Stem is finely grounded to match actuator excellently, which prevents rocking motion and potential failure of the V port valve. Spline is available for stem and ball connection to provide reliable transmission without motion lost or dead band.

TECHNICAL SPECIFICATION

Design standard: MANUFACTURER STANDARD

Face to face: MANUFACTURER STANDARD, ISA S75, IEC/DIN 534

Connection standard: GB/T9113, , EN1092, ASME B16.5

Test and inspection: GB/T4213

Size: DN25–DN500

Working pressure:

PN10, PN16, PN25, PN40, PN63, 150LB, 300LB, 600LB

APPLICATION

Paper making, mining, chemical, pharmaceutical, tap water, sewage treatment, urban sewage, water conservancy etc.

ACTUATOR OPTION

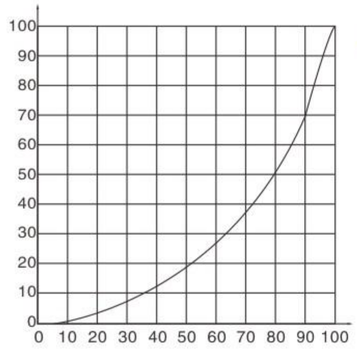
Manual: Handle bar(DN25–DN100), worm gear, chain wheel, lever.
Automatic: Electric, pneumatic(single&double–acting).

ACCESSORIES

Actuator manual override, limit switch, air filter, positioner, solenoid valve, mounting bracket.

NAME	MATERIAL
Body	WCB, CF8, CF8M
V Ball	CF8+HCr, CF8M+HCr
Pin	SS304, SS316
Seat	304+STL, 316+STL
Spring	316L
O Ring	VITON
Bearing	304+PTFE, 316+PTFE
Lower Stem	SS304, SS316
O Ring	VITON
Gland	WCB, CF8, CF8M
Gasket	PTFE
Washer	Q235, SS304, SS316
Bolt	25, 304
Bearing	304+PTFE, 316+PTFE
Key	SS304, SS316
Packing	PTFE, GRAPHITE
Gland	WCB, CF8, CF8M
Nut	Q235, SS304, SS316
Upper Stem	SS304, SS316

FLOW CHARACTERISTIC



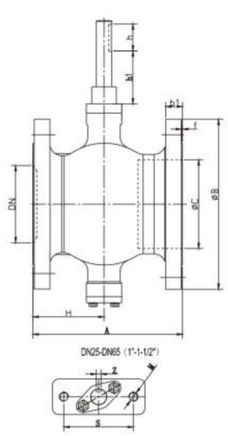
SIZ	CV
DN25	36
DN32	56
DN40	94
DN50	152
DN65	262
DN80	358
DN100	540
DN125	906
DN150	1424
DN200	2176
DN250	3532

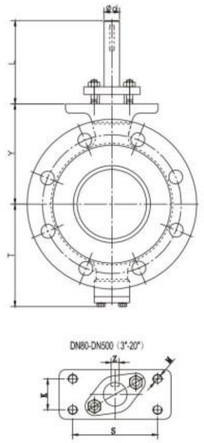
SIZ	CV
DN300	5732
DN350	8245
DN400	10651
DN450	12878
DN500	16343

VALVE TORQUE

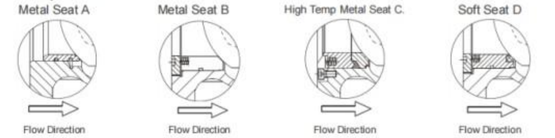
Size	PN16 10 Bar Pressure Metal Seat	PN16 10 Bar Pressure Soft Seat	PN25 20 Bar Pressure Metal/Soft Seat	PN40 30 Bar Pressure Metal/Soft Seat	PN63 50 Bar Pressure Metal/Soft Seat
DN25	20	20	30	70	150
DN32	25	25	36	90	230
DN40	30	30	40	140	270
DN50	35	35	42	150	520
DN65	50	50	62	300	640
DN80	60	80	95	300	640
DN100	80	120	140	420	900
DN125	110	180	220	600	1600
DN150	170	300	360	950	1600
DN200	240	500	590	1500	2700
DN250	430	900	1100	2300	4700
DN300	600	1400	1500	3500	7000
DN350	1200	2000	2500	6200	9300
DN400	1800	3200	4000	7200	13000
DN450	3000	4500	5600	11000	17300
DN500	4600	6500	8200	12500	22000

Size	150LB 10 Bar Pressure Metal Seat	150LB 10 Bar Pressure Soft Seat	150LB 20 Bar Pressure Metal/Soft Seat	300LB 35 Bar Pressure Metal/Soft Seat	600LB 70 Bar Pressure Metal/Soft Seat
DN25	20	20	30	85	210
DN32	25	25	36	105	320
DN40	30	30	40	180	380
DN50	35	35	42	190	730
DN65	50	50	62	380	930
DN80	60	80	95	380	1000
DN100	80	120	140	530	1000
DN125	110	180	220	720	2200
DN150	170	300	360	1180	2500
DN200	240	500	590	1750	3800
DN250	430	900	1100	2800	6500
DN300	600	1400	1500	4000	10000
DN350	1200	2000	2500	7800	13100
DN400	1800	3200	4000	9000	18000
DN450	3000	4500	5600	13700	24000
DN500	4600	6500	8200	15500	31000





Seat Options



METAL SEAT A/METAL SEAT B

Seat	304/316+STL	
Spring	17–7PH/316L	
O–ring	Viton	High Temp. Viton
Packing	PTFE	Graphite
Temp.Range	–29~150℃	–29~220℃

HIGH TEMP METAL SEAT C

Seat	304/316+STL
Spring	17–7PH/316L
O–ring	Graphite
Packing	Graphite
Temp.Range	–29~350℃

Soft Seat D

Seat	DEVLON	PCTFE	PEEK	
Spring	17–7PH/316L			
O–ring	Viton			
Packing	PTFE			Graphite
Temp.Range	–29~120℃	–29~120℃	–29~150℃	–29~240℃

DN	A	B	b1	f	C	T	Y	L	d	H	S	K	M	Z	Weight (kg)
PN16															
25	102	115	16	2	38	81	73	75	16	35	75	/	2–M10	5	4.9
32	102	140	18	2	45	86	78	75	16	35	75	/	2–M10	5	6.6
40	114	150	18	2	50	90	80	75	16	35	75	/	2–M10	5	7.6
50	124	165	20	2	62	93	90	75	16	35	75	/	2–M10	5	9.5
65	145	185	20	2	73	108	105	75	16	35	75	/	2–M10	5	12.4
80	165	200	20	2	90	123	118	75	20	35	90	28	4–M10	6	15.5
100	194	220	22	2	115	138	130	75	20	35	90	28	4–M10	6	20.6
125	194	250	22	2	134	148	145	80	25	40	90	28	4–M10	8	28.6
150	229	285	24	2	164	170	170	94	30	50	110	40	4–M12	8	42.5
200	243	340	24	2	206	200	201	94	30	50	110	40	4–M12	8	59.5
250	297	405	26	2	260	240	237	98	40	60	135	40	4–M16	12	99
300	338	460	28	2	316	286	282	98	40	60	135	40	4–M16	12	148
350	400	520	30	2	372	330	337	125	50	60	140	64	4–M16	14	216
400	400	580	32	2	420	367	372	172	60	80	170	80	4–M20	18	285
450	520	640	40	2	470	422	432	172	70	90	190	90	4–M24	20	370
500	600	715	44	2	516	490	498	180	80	100	190	90	4–M24	22	480

DN	A	B	b1	f	C	T	Y	L	d	H	S	K	M	Z	Weight (kg)
PN25															
25	102	115	16	2	40	88	86	75	20	35	90	28	4–M10	6	5.4
32	102	140	18	2	48	90	90	75	20	35	90	28	4–M10	6	7.3
40	114	150	18	2	56	95	93	80	25	40	90	28	4–M10	8	8.4
50	124	165	20	2	65	98	98	80	25	40	90	28	4–M10	8	10.5
65	145	185	22	2	81	130	125	95	30	50	110	40	4–M12	8	13.2
80	165	200	24	2	95	128	128	95	30	50	110	40	4–M12	8	17.7
100	194	235	24	2	115	142	142	95	30	50	110	40	4–M12	8	24.7
125	194	270	26	2	138	175	170	100	40	60	135	40	4–M16	12	34.5
150	229	300	28	2	170	215	215	125	50	60	140	64	4–M16	14	50.7
200	243	360	30	2	208	228	228	125	50	60	140	64	4–M16	14	72.7
250	297	425	32	2	265	260	260	150	60	80	170	80	4–M20	18	116
300	338	485	34	2	320	310	310	150	60	80	170	80	4–M20	18	169

DN	A	B	b1	f	C	T	Y	L	d	h	S	K	M	Z	Weight (kg)
ANSI 150															
1"	102	108	14.5	2	38	81	73	75	16	35	75	/	2–M10	5	5.4
1 1/4"	102	115	14.5	2	45	86	78	75	16	35	75	/	2–M10	5	7.3
1 1/2"	114	127	14.5	2	50	90	80	75	16	35	75	/	2–M10	5	8.4
2"	124	152	16.3	2	62	93	90	75	16	35	75	/	2–M10	5	10.5
2 1/2"	145	180	18	2	73	108	105	75	16	35	75	/	2–M10	5	13.2
3"	165	191	19.5	2	90	123	118	75	20	35	90	28	4–M10	6	17.7
4"	194	230	24	2	115	138	130	75	20	35	90	28	4–M10	6	24.7
5"	194	255	24.3	2	134	148	145	80	25	40	90	28	4–M10	8	34.5
6"	229	280	26	2	164	170	170	94	30	50	110	40	4–M12	8	50.7
8"	243	340	29	2	206	200	201	94	30	50	110	40	4–M12	8	72.7
10"	297	405	30.6	2	260	240	237	98	40	60	135	40	4–M16	12	116
12"	338	485	32.2	2	316	286	282	98	40	60	135	40	4–M16	12	169
14"	400	535	35.4	2	372	330	337	125	50	60	140	64	4–M16	14	249
16"	400	595	37	2	420	367	372	172	60	80	170	80	4–M20	18	326
18"	520	635	40.1	2	470	422	432	172	70	90	190	90	4–M24	20	410
20"	600	700	44	2	516	490	498	180	80	100	190	90	4–M24	22	510

X43F SLEEVE TYPE SOFT SEAL PLUG VALVE



TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		≤180℃	

NAME	MATERIAL
Body	WCB, CF8, CF8M
Sleeve	PTFE, RPTFE, PPL
Plug	WCB, CF8, CF8M
Gasket	PTFE, RPTFE, PPL
Adjust Pad	SS304, SS316
Bonnet	WCB, CF8, CF8M
Nut	ASTM A194–2H, A194–8
Bolt	ASTM A193–B7, A193–B8
Packing	PTFE, GRAPHITE
Gland	WCB, CF8, CF8M
Spring	SS304
Ball	SS304
Locator	SS304, CS+Zn
Hex Screw	A193 B7, A193 B8, A193 B8M
Circlip	SS304
Handle	CS+Zn
Handle Set	CS+Zn
Set Screw	CS+Zn

Sleeve plug valves are self lubricated, PTFE bushing lined in the body are pressurized to prevent leakage between the bushing and the body. Injection of sealing grease may cause pollution, sleeve plug valves don't need injection. It can be bidirectional flow, with low torque. Unique 360° metal lip protection and fixed card sets, make no direct contact metal to metal, so sleeve plug valves with good seal performance, and can avoided sealing surface biting phenomenon. It's widely used for small friction factor and long service life. And it's soft–metal seal, it reduce requirement of machining, therefore small and medium size plug valve mostly use bush lined structure.

1.Double–channel groove seal ring structure. When in rotation of plug, the sealing pressure between the sealing surface increase, in full open or closed position, produce enough seal pressure for zero leakage.

2.Double–channel groove seal ring structure can not only make PTFE bushing stable in the valve body with no displacement, but also can absorb the micro deformation caused by the change of temperature. Lined bushing and plug has a strong wiping effect, and improve the service life of the sealing surface.

3.PTFE bushing apply with different material according to the working temperature and media type. It can have good lubrication and long life.

4.Sealing surface formed by bushing, with unique 360° metal lip protection and fixed card sets.

5.The valve has no cavity, the media is not easy to accumulate.

6.The metal lip can provide self–cleaning function when the plug rotates, which is suitable for viscous and easy scaling working conditions.

7.Bidirectional flow, more convenient to use and install.

8.Material and connection dimensions can be reasonably selected to actual working condition to meet various engineering requirements.

TECHNICAL SPECIFICATION

Design standard: API6D, API599, BS5353, GB/T22130

Face to face: API6D, ASME B16.10, EN558

Connection standard: HG/T20592, EN1092, ASME B16.5

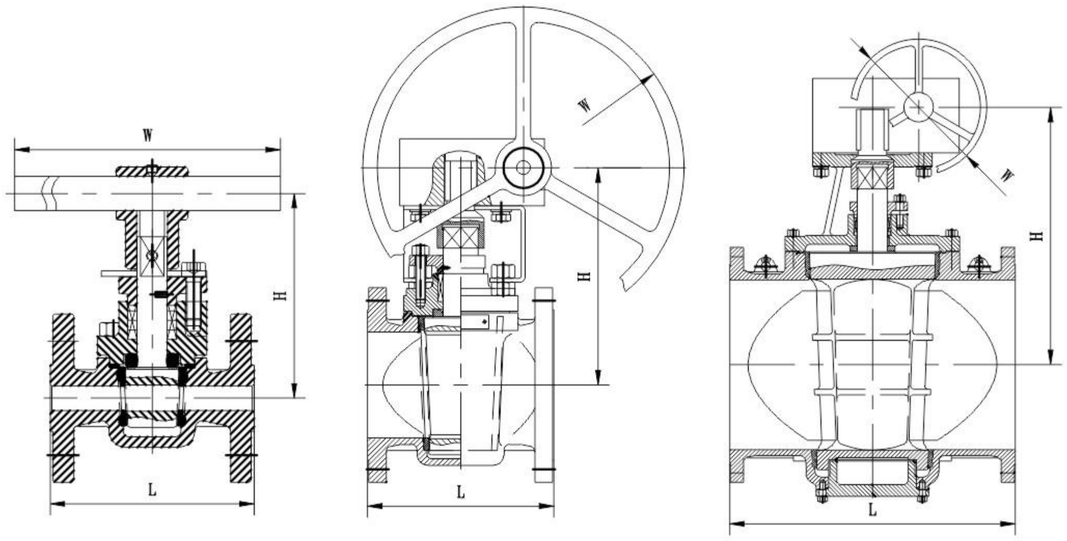
Test and inspection: API6D, API598

APPLICATION OPTION

Water, oil, steam etc.

ACTUATOR OPTION

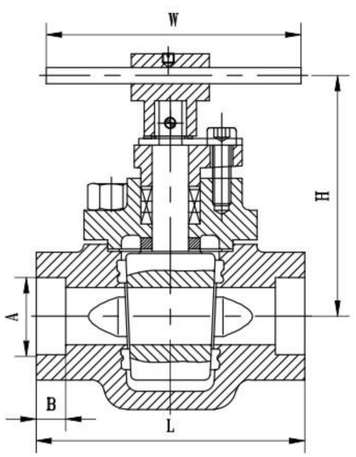
Manual, electric, pneumatic.

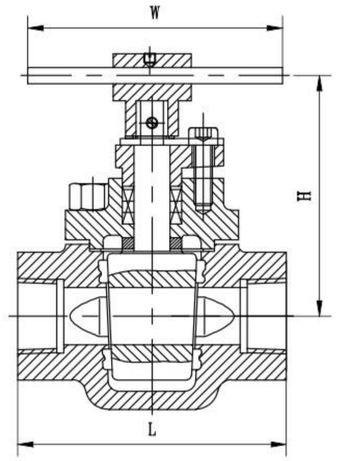


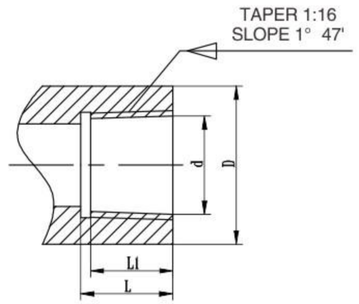
Model		X43F–150LB															
Pressure		150LB															
Size	DN	15	20	25	40	50	80	100	150	200	250	300	350	400	450	500	600
	in	1/2	3/4	1	1 1/2	2	3	4	6	8	10	12	14	16	18	20	24
Short type	L–RF	108	118	127	165	178	203	229	267	292	330	356					
	L–BW	152	178	203	229	267	330	356	457	521	559	635					
	L–RTJ					191	216	241	279	305	343	368					
Regular type	L–RF								394	457	533	610					
	L–BW																
	L–RTJ								406	470	546	622					
Venturi type	L–RF										533	610	686	762	864	914	1067
	L–BW										599	635	686	762	864	914	1067
	L–RTJ										546	622	699	775	876	927	1080
Full bore	L–RF					267	343	432	546	622	660	762					
	L–BW																
	L–RTJ					279	356	445	559	635	673	775					
H		71	79	88	109	120	145	215	285	350	365	480	540	625	735		895
W		300	300	400	400	500	600	800	460	600	600	600	600	600	600	600	600

Model		X43F–300LB															
Pressure																	
Size	DN	15	20	25	40	50	80	100	150	200	250	300	350	400	450	500	600
	in	1/2	3/4	1	1 1/2	2	3	4	6	8	10	12	14	16	18	20	24
Short type	L–RF	140	152	165	190	216	283	305	103	419	457	502					
	L–BW	152	178	203	229	267	330	356	457	521	559	635					
	L–RTJ					232	298	321	419	435	473	518					
Regular type	L–RF								403	502	568				914	991	1143
	L–BW																
	L–RTJ								419	518	584				930	1010	1165
Venturi type	L–RF								403	419	457	502	762	838	914	991	1143
	L–BW								457	521	559	635	762	838	914	991	1143
	L–RTJ								419	435	473	518	778	854	930	1010	1165
Full bore	L–RF					283	387	457	559	686	826	965					
	L–BW					283	387	457	559	686	826	965					
	L–RTJ					298	403	473	575	702	841	981					
H		71	79	88	109	120	145	215	285	350	365	480	540	625	735		895
W		300	300	400	400	500	600	800	460	600	600	600	600	600	600	600	600

Model		X43F–600LB															
Pressure		600LB															
Size	DN	15	20	25	40	50	80	100	150	200	250	300	350	400	450	500	600
	in	1/2	3/4	1	1 1/2	2	3	4	6	8	10	12	14	16	18	20	24
Regular type	L–RF	165	190	216	229	292	356	432	559	660	787						
	L–BW	165	190	216	229	292	356	432	559	660	787						
	L–RTJ					295	359	435	562	664	791						
Venturi type	L–RF								559	660	787	838	889	991	1092	1194	1295
	L–BW								559	660	787	838	889	991	1092	1194	1295
	L–RTJ								562	664	791	841	892	994	1095	1200	1305
Full bore	L–RF					330	445	508	660	794	940	1067					
	L–BW							559	711	845	1016	1067					
	L–RTJ					333	448	511	664	797	943	1070					
H		95	105	125	135	160	185	285	385	405	10	545	595	625	680	800	865
W		300	400	400	450	600	800	460	460	600	600	600	600	600	600	600	600







Model		X1(6)3F–(150–800LB)				
Pressure		150–800LB				
Size	DN	15	20	25	40	50
	in	1/2	3/4	1	11/2	2
L	SW	82	118	118	140	165
	npt	82	118	118	140	165
	Bw	82	118	118	140	165
SW	A	21.7	27.1	38.8	48.6	61.1
	B	96	12.7	12.7	12.7	15.8
NPT	d	18.48	23.67	29.87	4.7	56.74
	L	17	17	20	23	23
	L1	14	14	17	20	20
	Pitch	1.814	1.814	2.209	2.209	2.209
	Number of teeth per inch	14	14	1.5	11.5	11.5
H		100	100	105	125	145
W		400	400	500	600	800

FORGED VALVE

TECHNICAL SPECIFICATION

Design standard: API602, ASME B16.34, JB/T7746, GB/T12224

Face to face: JB/T7746, ASME B16.10

Connection standard: SW–ASME B16.11, JB/T7746, BW–ASME B16.25, JB/T7746, THREAD–ASME B1.20.1, GB/T7306, RF–ASME B16.5

Test and inspection: API598, GB/T26480

Size: DN15–DN50

Working pressure:

150LB, 300LB, 600LB, 800LB/PN140, 1500LB/PN250

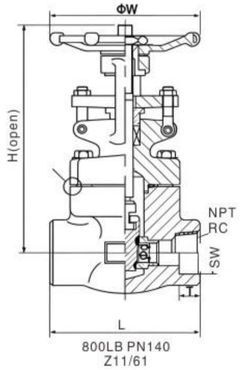
Material: A105, LF2, F11, F22, F304, F304L, F316, F316L

TEST SPECIFICATION			
PN			
Test	Strength	1.5PN	Mpa
	Seat Seal	1.1PN	
	Gas Seal	0.6	
Temperature		–196℃~600℃	

Forged valves are available in gate, globe, check, strainer and ball type. Structure design:Bolted bonnet, welded bonnet and pressure sealed bonnet; Outside screw and yoke, risingstem, non–rising handwheel, integral backseat; Solid wedge, 'renewable seat rings, 'sprialwound gasket, ireduced bore or full bore, Socket welded,"threaded, butt welded, iweldedflanged, integral flange.
It's widely used in petroleum,tical, fertilizer,and power industries.
Size: DN15–DN50
Working pressure:150LB,300LB,600LB,800LB/PN140,1500LB/PN250
Material: A105, LF2,F11,F22,F304,F304L,F316,F316L

Z61H FORGED GATE VALVE





800LB

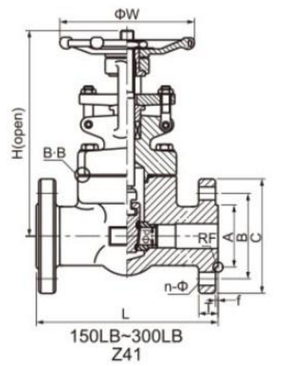
DN	NPS	Φd	L	H(open)	ΦW	Connection
15	1/2"	10.5	79	158	100	SW NPT RC
20	3/4"	13	92	160	100	
25	1"	17.5	111	197	125	
32	1–1/4"	24	120	228	160	
40	1–1/2"	29	120	246	160	
50	2"	36.5	140	290	180	

1500LB

DN	NPS	Φd	L	H(open)	ΦW	Connection
15	1/2"	10.5	111	200	125	SW NPT RC
20	3/4"	13	111	200	125	
25	1"	17.5	120	228	160	
32	1–1/4"	24	120	255	160	
40	1–1/2"	29	140	290	180	
50	2"	36.5	178	316	200	

Z41H FORGED GATE VALVE





150LB

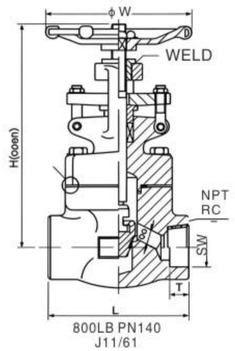
NPS	Φd	L	H(open)	ΦW	A	B	C	T	f	n–Φ
1/2"	10.5	108	155	100	35	60.5	90	10	2	4–Φ16
3/4"	13	117	157	100	43	70	100	10.9	2	4–Φ16
1"	17.5	127	186	125	51	79.5	110	11.6	2	4–Φ16
1–1/4"	24	140	220	160	63.5	89	115	13.2	2	4–Φ16
1–1/2"	29	165	246	160	73	98.5	125	14.7	2	4–Φ16
2"	36.5	178	268	180	92	120.5	150	16.3	2	4–Φ19

300LB

NPS	Φd	L	H(open)	ΦW	A	B	C	T	f	n–Φ
1/2"	10.5	140	161	100	35	66.5	95	14.7	2	4–Φ16
3/4"	13	152	163	100	43	82.5	115	16.3	2	4–Φ19
1"	17.5	165	200	125	51	89	125	17.9	2	4–Φ19
1–1/4"	24	178	218	160	63.5	98.5	135	19.5	2	4–Φ19
1–1/2"	29	190	253	160	73	114.5	155	21.1	2	4–Φ22
2"	36.5	216	290	180	92	127	165	22.7	2	8–Φ19

J61H FORGED GLOBE VALVE





800LB

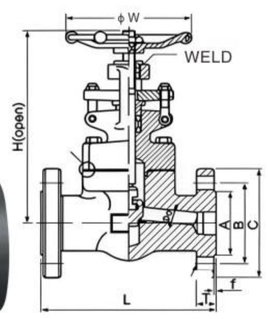
DN	NPS	Φd	L	H(open)	ΦW	Connection
15	1/2"	10.5	79	158	100	SW NPT RC
20	3/4"	13	92	160	100	
25	1"	17.5	111	197	125	
32	1–1/4"	24	120	228	160	
40	1–1/2"	29	152	246	160	
50	2"	36.5	172	290	180	

1500LB

DN	NPS	Φd	L	H(open)	ΦW	Connection
15	1/2"	10.5	111	206	125	SW NPT RC
20	3/4"	13	111	206	125	
25	1"	17.5	120	230	160	
32	1–1/4"	24	152	262	160	
40	1–1/2"	29	172	296	180	
50	2"	36.5	220	335	200	

J41H FORGED GLOBE VALVE





150LB

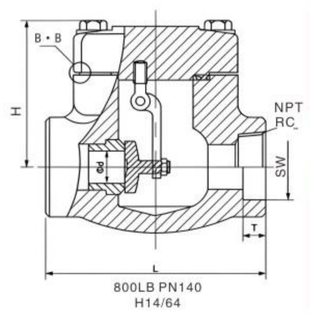
NPS	Φd	L	H(open)	ΦW	A	B	C	T	f	n–Φ
1/2"	10.5	108	158	100	35	60.5	90	10	2	4–Φ16
3/4"	13	117	160	100	43	70	100	10.9	2	4–Φ16
1"	17.5	127	198	125	51	79.5	110	11.6	2	4–Φ16
1–1/4"	24	140	226	160	63.5	89	115	13.2	2	4–Φ16
1–1/2"	29	165	246	160	73	98.5	125	14.7	2	4–Φ16
2"	36.5	203	290	180	92	120.5	150	16.3	2	4–Φ19

300LB

NPS	Φd	L	H(open)	ΦW	A	B	C	T	f	n–Φ
1/2"	10.5	152	170	100	35	66.5	95	14.7	2	4–Φ16
3/4"	13	178	172	100	43	82.5	115	16.3	2	4–Φ19
1"	17.5	203	206	125	51	89	125	17.9	2	4–Φ19
1–1/4"	24	216	230	160	63.5	98.5	135	19.5	2	4–Φ19
1–1/2"	29	229	262	160	73	114.5	155	21.1	2	4–Φ22
2"	36.5	267	296	180	92	127	165	22.7	2	8–Φ19

H64H FORGED SWING CHECK VALVE





800LB

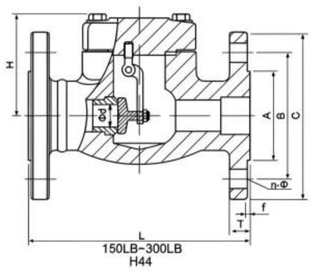
DN	NPS	Φd	L	H(open)	Connection
15	1/2"	10.5	79	63	SW NPT RC
20	3/4"	13	92	65	
25	1"	17.5	111	80	
32	1–1/4"	24	120	90	
40	1–1/2"	29	120	101	
50	2"	36.5	140	120	

1500LB

DN	NPS	Φd	L	H(open)	Connection
15	1/2"	10.5	111	80	SW NPT RC
20	3/4"	13	111	80	
25	1"	17.5	120	90	
32	1–1/4"	24	120	101	
40	1–1/2"	29	140	120	
50	2"	36.5	178	145	

H44H FORGED SWING CHECK VALVE





150LB

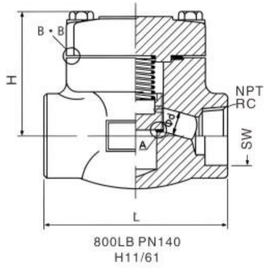
NPS	Φd	L	H	A	B	C	T	f	n–Φ
1/2"	10.5	108	63	35	60.5	90	10	2	4–Φ16
3/4"	13	117	65	43	70	100	10.9	2	4–Φ16
1"	17.5	127	80	51	79.5	110	11.6	2	4–Φ16
1–1/4"	24	140	90	63.5	89	115	13.2	2	4–Φ16
1–1/2"	29	165	101	73	98.5	125	14.7	2	4–Φ16
2"	36.5	203	120	92	120.5	150	16.3	2	4–Φ19

300LB

NPS	Φd	L	H	A	B	C	T	f	n–Φ
1/2"	10.5	152	63	35	66.5	95	14.7	2	4–Φ16
3/4"	13	178	65	43	82.5	115	16.3	2	4–Φ19
1"	17.5	216	80	51	89	125	17.9	2	4–Φ19
1–1/4"	24	229	90	63.5	98.5	135	19.5	2	4–Φ19
1–1/2"	29	241	101	73	114.5	155	21.1	2	4–Φ22
2"	36.5	267	120	92	127	165	22.7	2	8–Φ19

H61H FORGED LIFT CHECK VALVE





800LB

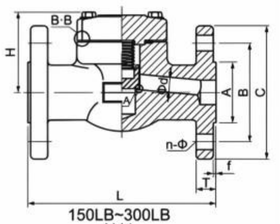
DN	NPS	Φd	L	H(open)	Connection
15	1/2"	10.5	79	55	SW NPT RC
20	3/4"	13	92	58	
25	1"	17.5	111	78	
32	1–1/4"	24	120	88	
40	1–1/2"	29	152	96	
50	2"	36.5	172	108	

1500LB

DN	NPS	Φd	L	H(open)	Connection
15	1/2"	10.5	111	80	SW NPT RC
20	3/4"	13	111	80	
25	1"	17.5	120	90	
32	1–1/4"	24	152	101	
40	1–1/2"	29	172	120	
50	2"	36.5	220	135	

H41H FORGED LIFT CHECK VALVE





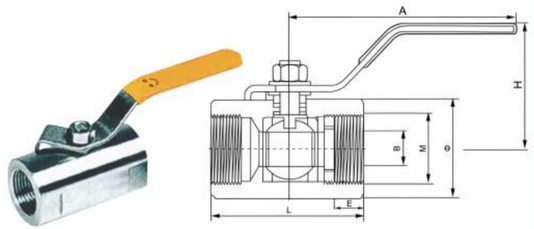
150LB

NPS	Φd	L	H	A	B	C	T	f	n–Φ
1/2"	10.5	108	56	35	60.5	90	10	2	4–Φ16
3/4"	13	117	58	43	70	100	10.9	2	4–Φ16
1"	17.5	127	78	51	79.5	110	11.6	2	4–Φ16
1–1/4"	24	140	88	63.5	89	115	13.2	2	4–Φ16
1–1/2"	29	165	96	73	98.5	125	14.7	2	4–Φ16
2"	36.5	203	108	92	120.5	150	16.3	2	4–Φ19

300LB

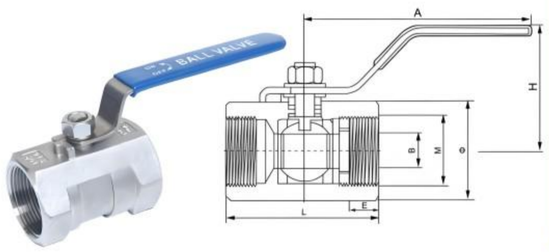
NPS	Φd	L	H	A	B	C	T	f	n–Φ
1/2"	10.5	152	63	35	66.5	95	14.7	2	4–Φ16
3/4"	13	178	65	43	82.5	115	16.3	2	4–Φ19
1"	17.5	216	80	51	89	125	17.9	2	4–Φ19
1–1/4"	24	229	90	63.5	98.5	135	19.5	2	4–Φ19
1–1/2"	29	241	103	73	114.5	155	21.1	2	4–Φ22
2"	36.5	267	122	92	127	165	22.7	2	8–Φ19

Q11F THREAD BALL VALVE



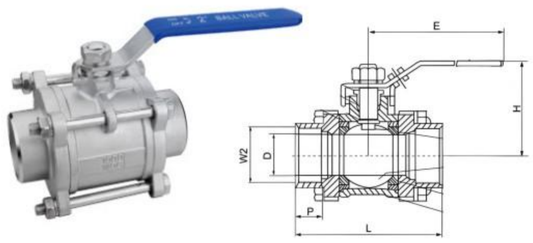
DN	M	B	L	ϕ	E	H	A
6	1/4	5	48	20	11.5	32	65
10	3/8	8	55	27	11.5	42	85
15	1/2	10.5	60	31.5	14	45	95
20	3/4	13	65	37	15	48	110
25	1	17	73	43.8	15	53	110
32	1 1/4	22	88.5	53	18	64	140
40	1 1/2	25	95	500	19	75	140
50	2	32	108	73	19	79	155
65	2 1/2	40	132	88.5	23	90	180
80	3	50	150	105	27	100	220
100	4	64	188	135	29	115	220

Q11F ONE PIECE THREAD BALL VALVE



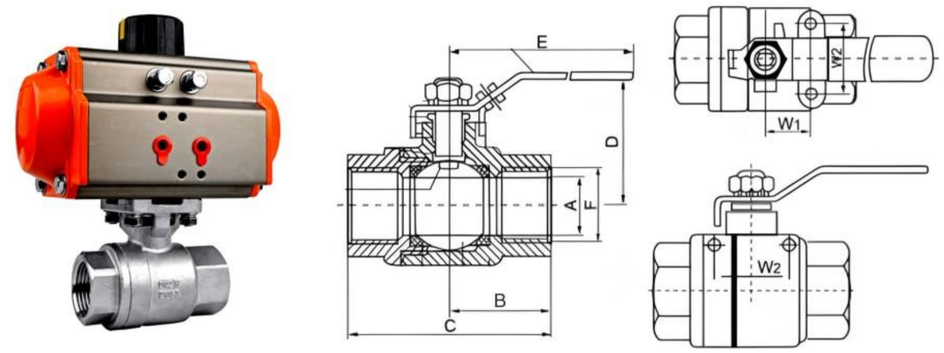
DN	M	B	L	E	H	A
10	3/8	8	50	15	30	65
15	1/2	9.5	52	17	34	85
20	3/4	12.5	56	18	40	95
25	1	16	67	20	52	110
32	1 1/4	20	74	21.5	62	140
40	1 1/2	25	81	23	68	140
50	2	32	93	24.5	75	155
65	2 1/2	40	120	25	82	180

Q11F THREE PIECE THREAD BALL VALVE



S	D	L	H	E	W2	F	P
1/4	11.6	65	48	120	28.5	14.1	10
3/8	12,7	65	48	120	28.5	17.6	10
1/2	15	72	54	120	28.5	21.8	10
3/4	20	83	57	130	35	27.4	13
1	25	91	72	154	35	34.1	13
1 1/4	32	103	79	154	38.1	42.8	16
1 1/2	38	110	81	185	38.1	48.7	16
2	50	131	97	185	38.1	61	18
2 1/2	65	164.5	130	250	58	77	18
3	80	182.5	148	250	70	89.9	20

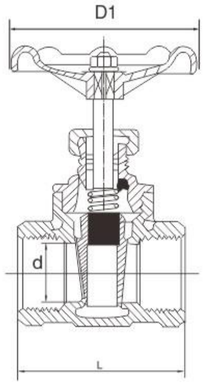
Q11F TWO PIECE THREAD BALL VALVE



SIZE	F	A	B	C	D	E	W1	W2	H
1/4	1/4 NPT/BSPT	11.6	27.5	57	49	120	12.7	28.5	10–24UNC
3/8	3/8 NPT/BSPT	12.7	27.5	57	49	120	12.7	28.5	10–24UNC
1/2	1/2 NPT/BSPT	15	32.5	53	54	120	12.7	28.5	10–24UNC
3/4	3/4 NPT/BSPT	20	37	64	65	130	22.4	35	10–24UNC
1	1 NPT/BSPT	25	44	72	72	154	22.4	35	10–24UNC
1 1/4	1 1/4 NPT/BSPT	32	51	83	83	154	25.4	38.1	1/4–20UNs
1 1/2	11/2 NPT/BSPT	38	55	95	94	185	25.4	38.1	1/4–20UNS
2	2 NPT/BSPT	50	62.5	108	107	185	25,4	38.1	1/4–20UNS
2 1/2	21/2 NPT/BSPT	65	81.5	161.5	130	250	N/A	58	1/4–20UNS
3	3 NPT/BSPT	80	89	178	148	250	N/A	70	1/4–20UNS

Z15W THREAD GATE VALVE

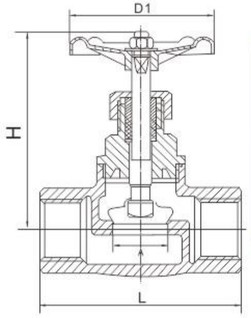




Size	d	L	H	D1	Cv
1/2	15	55	92	70	17.6
3/4	20	60	99	70	32.0
1	25	66	113	80	54.0
1 1/4	32	76	128	80	97.0
1 1/2	40	86	147	90	135.0
2	50	96	168	100	230.0

J15W THREAD GATE VALVE

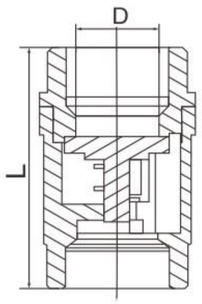




Size	d	L	H	D1	Cv
1/2	15	66	100	70	3.8
3/4	20	80	106	70	7.0
1	25	90	118	80	11.0
1 1/4	32	105	134	80	21.0
1 1/2	40	120	152	90	29.0
2	50	141	172	100	50.0

H12W THREAD LIFT CHECK VALVE

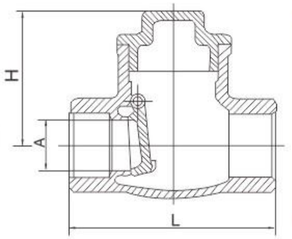




Size	L	D
10	56	11
15	61	14
20	69	18
25	82	24
32	92	31
40	107	38
50	121	47
65	127	64
80	168	80

H14W THREAD LIFT CHECK VALVE

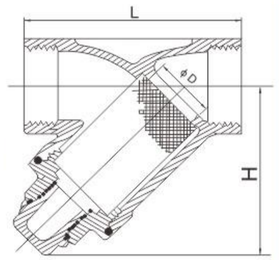




Size	d	L	H	Cv
1/2	15	65	44	6.9
3/4	20	80	53	16.3
1	25	90	58	30.0
1 1/4	32	105	62	49.0
1 1/2	40	120	73	72.0
2	50	141	78	130.0

GL11W THREAD Y STRAINER





Size	d	L	H	Cv
1/4	15	78	50	3.5
3/8	15	78	50	3.5
1/2	15	78	50	3.5
3/4	20	93	60	6.5
1	25	108	70	10.0
1 1/4	32	128	82	19.0
1 1/2	40	143	92	26.0
2	50	173	118	45.0