



WESDOM



WESDOM GROUP

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

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

坦桑尼亚: +255744222807
+255744222808

赞比亚: +260972377777
+260963767287

肯尼亚: +254780021428

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

www.facebook.com/hawsd

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

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

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

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

Nairobi, Kenya ✉ Weisidunvalve@gmail.com

✉ info@wsdvalve.com
weisidun@hawsd.com

in www.linkedin.com/company/henan-wesdom



Fire Protection Series

WESDOM GROUP

WESDOM GROUP

Enterprise Social Responsibility

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

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

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

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

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

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

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

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

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

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



WESDOM GROUP

Development History



2010

WESDOM was established

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

June 2013, WESDOM passed ISO and other international certifications;

2015

WESDOM established the first overseas branch

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

2016

WESDOM products are exported to overseas regions and markets

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

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

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

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

2018

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

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

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

2019

WESDOM launched a series of plastic materials

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

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

2020

WESDOM sales exceeded 20 million USD

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

To be continued...

2021

Kenya branch is established, WESDOM products occupy the African market

.....



WESDOM GROUP

Company Introduction

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

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

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

In terms of quality control, we have strict control procedures. From the raw materials entering the factory to the final product leaving the factory, after 24 quality inspection passes, each pass must ensure that the product quality is 100% qualified before it can flow into the next process, thus ensuring that the qualified rate of the finished products. WESDOM products can well meet the Chinese standard like GB, JB, HB; American standard like API, ASME, AWWA; British and EU standards like BS, EN, ISO; German standard DIN; Japanese standard JIS; Russian standard GOST and other standards.



Quality Inspection

WESDOM Group attaches great importance to product quality, we have the independent laboratory, advanced technology research, sophisticated testing equipment, and a professional technical team. The fire fighting protection series products are produced by real-time analysis and strict physical and chemical testing to control the product quality effectively. We ensure the quality reliability from raw material to finished products when leaving the factory. The castings has passed PT, RT flaw detection and mechanical performance test, the parts have been tested by spectrum, hardness, tensile, etc., and the quality of parts is strictly controlled, the finished products have passed the whole process performance test such as strength and sealing, and the quality of the finished product is strictly controlled.

Each WESDOM product quality is totally ensured, and we well received good reputation from our clients all over the world.

Product testing Category:

- Grooved Steel Pipe
- Galvanized Pipe Fittings
- Groove Pipe Fitting
- Fire Fighting Valve
- Fire Control Series
- Fire Sprinkler



WESDOM GROUP

Company Qualification



Company Qualification



WESDOM GROUP

Show Cases



Fire fighting pipes for Colombia building project

- Customer Name: Contractor in Colombia
- Main purchasing products: UL/FM Pipes
- Projects Pictures: As followings
- Projects Details: The customer is one of the contractors for installing fire fighting projects. WESDOM team has sent products pics, workshop pics and other fire fighting cases pictures, the client compare the prices from different suppliers and finally choose us, even our price is not the cheapest. We met in Colombia and client told us that WESDOM team is professional and have excellent service. They will purchase valves, pipe fittings from us soon, believe we will have long term cooperation.

Fire protection project in Ho Chi Minh City, Vietnam

- Provide the valves and pipe fittings required for the overall project, and assist customers to efficiently complete the project construction with guaranteed time, quality and quantity
- Products: API Gate Valve, Check Valve, Globe Valve, Strainer.



Fire fighting system in Nigeria

- The high quality gate valves with UL FM certification is recognized by our clients!



Show Cases

The fire fighting products used in Zambia

Building project

We supplied the grooved gate valve, check valve, Y strainer and butterfly valve. The end user is very satisfied with our products quality, now we have continuous cooperations with the contractor.



Fire fighting products for Philippines client

Cement factory

Including check valve, butterfly valve, gate valve and fittings, we do supply the one-stop service with high quality products.



Fire fighting accessories used in Kenya

We have the ability to supply the products for whole fire fighting system, Our aim is to solve the problems for our clients.





01 Grooved Steel Pipe



03 Galvanized Pipe Fittings



05 Groove Pipe Fitting



22 Fire Fighting Valve



66 Fire Control Series



81 Fire Sprinkler

Grooved Steel Pipe

Grooved Steel Pipe

ASTM A795 Black and Red and Hot Dipped Zinc-Coated, Welded Steel Pipe for Fire Protection Use

Dimensions, Weights, and Test Pressure For Light-Weight Fire Protection Pipe-Schedule 10 A									
NPS Designator	DN Designator	Outside Diameter		Wall Thickness		Weight Plain End		Test Pressure Seamless and Electric-Resistance-Welded	
		in	mm	in	mm	lb/ft	kg/m	psi	MPa
3/4	20	1.05	26.7	0.083	2.11	0.86	1.28	700	4.8
1	25	1.315	33.4	0.109	2.77	1.41	2.09	700	4.8
1 1/4	32	1.66	42.2	0.109	2.77	1.81	2.69	1000	6.9
1 1/2	40	1.9	48.3	0.109	2.77	2.09	3.11	1000	6.9
2	50	2.375	60.3	0.109	2.77	2.64	3.93	1000	6.9
2 1/2	65	2.875	73	0.12	3.05	3.53	5.26	1000	6.9
3	80	3.5	88.9	0.12	3.05	4.34	6.46	1000	6.9
3 1/2	90	4	101.6	0.12	3.05	4.98	7.41	1200	8.3
4	100	4.5	114.3	0.12	3.05	5.62	8.37	1200	8.3
5	125	5.563	141.3	0.134	3.4	7.78	11.58	1200	8.3
6	150	6.625	168.3	0.134	3.4	9.3	13.85	1000	6.9
8	200	8.625	219.1	0.188	4.78	16.96	25.26	800	5.5
10	250	10.75	273.1	0.188	4.78	21.23	31.62	700	4.8

Dimensions, Weights, Test Pressures For Standard-Weight Fire Protection Pipe-Schedule 30 and Schedule 40									
NPS Designator	DN Designator	Outside Diameter		Wall Thickness		Weight Plain End		Test Pressure Seamless and Electric-Resistance-Welded	
		in	mm	in	mm	lb/ft	kg/m	psi	MPa
1/2	15	0.84	21.3	0.109	2.77	0.85	1.27	700	4.8
3/4	20	1.05	26.7	0.113	2.87	1.13	1.68	700	4.8
1	25	1.315	33.4	0.133	3.38	1.68	2.5	700	4.8
1 1/4	32	1.66	42.2	0.14	3.58	2.27	3.4	1000	6.9
1 1/2	40	1.9	48.3	0.145	3.68	2.72	4.07	1000	6.9
2	50	2.375	60.3	0.154	3.91	3.66	5.5	1000	6.9
2 1/2	65	2.875	73	0.203	5.16	5.8	8.68	1000	6.9
3	80	3.5	88.9	0.216	5.49	7.58	11.35	1000	6.9
3 1/2	90	4	101.6	0.226	5.74	9.12	13.71	1200	8.3
4	100	4.5	114.3	0.237	6.02	10.8	16.25	1200	8.3
5	125	5.563	141.3	0.258	6.55	14.63	22.07	1200	8.3
6	150	6.625	168.3	0.28	7.11	18.99	28.6	1200	8.3
8	200	8.625	219.1	0.277	7.04	24.72	38.09	1200	8.3
10	250	10.75	273.1	0.307	7.8	34.27	53.29	1000	6.9

Note 1.1psi=0.07031kg/cm² 2.1lb/ft=0.45359kg/ft



Galvanized Pipe Fittings



JIANZHI & HITHERTOP





适用于额定工作压力(1.6MPa)和工作温度(200℃)范围内, 输送液体如: 水, 油, 气(天然气、煤气、水蒸气)等一般管路连接。

表面处理: 涂漆、喷涂、热镀锌、电镀锌

执行标准

企业标准 Q/JZ 01-2009(修改采用日本标准JIS B2301)

国家标准 GB/T 3287-2000

国际标准 ISO5922/ISO46/ISO7-1

英国标准 BS EN1562:1997

德国标准 DIN2950/1692/2999

美国标准 ANSI/ASTM A 197/A 197M-2000

ANSI/ASTM 16.3-92/B1.20.1-83

材料机械性能

抗拉强度 $\geq 330\text{MPa}$; 伸长率 $\geq 8\%$; 硬度 $\leq \text{HB150}$

Suitable for pressure Max 1.6MPa, temperature Max.200℃, and for pipeline holding water, oil, gas, etc.

Finishing: (Black) Painting, Galvanizing, Electro-plating

Standards

Company Standard: Q/JZ 01-2009(Partially based on JIS B2301)

GB/T 3287-2000

ISO5922/ISO46/ISO7-1

BS EN1562:1997

DIN2950/1692/2999

ANSI/ASTM A 197/A 197M-2000

ANSI/ASTM 16.3-92/B1.20.1-83

Mechanical Properties

Tensile Strength $\geq 330\text{MPa}$; Elongation rate $\geq 8\%$; Hardness $\leq \text{HB150}$

Galvanized pipe fittings

Galvanized Pipe Fittings



Groove Pipe Fitting

JIANZHI & HITHERTOP



Groove pipe fitting

Groove Pipe Fitting



Rigid Coupling



Flexible Coupling



Mechanical Tee Grooved outlet



Mechanical Tee Threaded outlet



Grooved flange



90° Elbow



45° Elbow



22.5° Elbow



11.25° Elbow



Tee



Grooved Reducing Tee



Threaded Reducing Tee



Cross



Grooved Reducing Cross



Threaded Reducing Cross



Cap



Grooved Concentric Reducer



Threaded Concentric Reducer

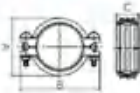


Grooved Eccentric Reducer



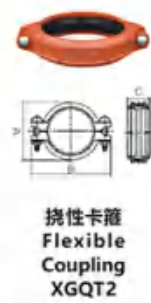
Adaptor Flange

Coupling

刚性卡箍
Rigid Coupling
XGQT1

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in			Bolt Size No.-Size mm	Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in			Bolt Size No.-Size mm
			A mm/in	B mm/in	C mm/in					A mm/in	B mm/in	C mm/in	
规格	管子基本尺寸	工作压力	尺寸			螺栓	规格	管子基本尺寸	工作压力	尺寸			螺栓
25 1	33.7 1.327		56 2.20	98 3.85	44 1.74	3/8"45-2	125 5	133 5.25		162 6.37	213 8.38	50 1.96	1/2"75-2
32 1 1/4	42.4 1.669		65 2.55	108 4.25	44 1.74	3/8"45-2	125 5	139.7 5.5		170 6.73	220 8.66	50 1.96	1/2"75-2
40 1 1/2	48.3 1.9		72 2.84	114 4.48	44 1.74	3/8"45-2	125 5	141.3 5.563		171 6.73	222 8.74	50 1.96	1/2"75-2
50 2	60.3 2.375		84 3.30	126 4.96	46 1.81	3/8"55-2	150 6	159 6.25		190 7.48	241 9.48	50 1.96	1/2"75-2
65 2 1/2	73 2.875	300psi 2.07MPa	97 3.81	140 5.52	46 1.81	3/8"55-2	150 6	165.1 6.5	300psi 2.07MPa	196 7.71	248 9.76	50 1.96	1/2"75-2
65 2 1/2	76.1 3		100 3.93	142 5.59	46 1.81	3/8"55-2	150 6	168.3 6.625		200 7.87	252 9.92	50 1.96	1/2"75-2
80 3	88.9 3.5		114 4.48	154 6.06	46 1.81	3/8"55-2	200 8	219.1 8.625		258 10.15	322 12.67	60 2.36	5/8"95-2
100 4	108 4.25		135 5.31	186 7.32	50 1.96	1/2"65-2	250 10	273 10.75		318 12.51	400 15.74	62 2.44	3/4"110-2
100 4	114.3 4.5		138 5.43	192 7.55	50 1.96	1/2"65-2	300 12	323.9 12.750		372 14.64	454 17.87	64 2.51	3/4"120-2



注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Grooved mechanical tee

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size	Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size
				A	B	C	D						A	B	C	D	
规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格	规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315		38 1.50	118 4.64	71 2.71	69 2.71	40 1.57	3/8"55-2	80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375		61 2.40	150 5.90	100 3.93	85 3.33	56 2.20	3/8"55-2
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660		46 1.81	118 4.64	75 2.95	69 2.71	40 1.57	3/8"55-2	80 x 65 3 x 2 1/2	88.9 x 73.0 3.500 x 2.875		61 2.40	150 5.90	100 3.93	85 3.33	56 2.20	3/8"55-2
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900		46 1.81	118 4.64	75 2.95	69 2.71	40 1.57	3/8"55-2	80 x 65 3 x 2 1/2	88.9 x 76.1 3.500 x 3.000		61 2.40	150 5.90	100 3.93	85 3.33	56 2.20	3/8"55-2
65 x 25 2 1/2 x 1	73.0 x 33.7 2.875 x 1.315		38 1.50	133 5.23	72 2.83	77 3.03	47 1.85	3/8"55-2	100 x 50 4 x 2	108.0 x 60.3 4.250 x 2.375		61 2.40	172 6.77	106.5 4.19	92 3.78	64.5 2.54	1/2"65-2
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660		46 1.81	133 5.23	81 3.18	77 3.03	47 1.85	3/8"55-2	100 x 65 4 x 2 1/2	108.0 x 76.1 4.250 x 3.000		81 3.18	172 6.77	106.5 4.19	92 3.78	64.5 2.54	1/2"65-2
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900		53 2.08	133 5.23	86 3.38	77 3.03	47 1.85	3/8"55-2	100 x 25 4 x 1	114.3 x 33.7 4.500 x 1.315	300psi 2.07MPa	38 1.50	182 7.16	73 2.87	99 3.90	70 2.76	1/2"65-2
65 x 25 2 1/2 x 1	76.1 x 33.7 3.000 x 1.315		38 1.50	136 5.35	72 2.83	78 3.07	49 1.93	3/8"55-2	100 x 32 4 x 1 1/4	114.3 x 42.4 4.500 x 1.660		46 1.81	182 7.16	82 3.22	99 3.90	70 2.76	1/2"65-2
65 x 32 2 1/2 x 1 1/4	76.1 x 42.4 3.000 x 1.660		46 1.81	136 5.35	81 3.18	78 3.07	49 1.93	3/8"55-2	100 x 40 4 x 1 1/2	114.3 x 48.3 4.500 x 1.900		53 2.08	182 7.16	87 3.42	99 3.90	70 2.76	1/2"65-2
65 x 40 2 1/2 x 1 1/2	76.1 x 48.3 3.000 x 1.900		53 2.08	136 5.35	86 3.38	78 3.07	49 1.93	3/8"55-2	100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375		61 2.40	182 7.16	100 3.93	99 3.90	70 2.76	1/2"65-2
80 x 25 3 x 1	88.9 x 33.7 3.500 x 1.315		38 1.50	150 5.98	73 2.87	85 3.33	56 2.20	3/8"55-2	100 x 65 4 x 2 1/2	114.3 x 73.0 4.500 x 2.875		81 3.18	182 7.16	118 4.64	99 3.90	70 2.76	1/2"65-2
80 x 32 3 x 1 1/4	88.9 x 42.4 3.500 x 1.660		46 1.81	150 5.98	82 3.22	85 3.33	56 2.20	3/8"55-2	100 x 65 4 x 2 1/2	114.3 x 76.1 4.500 x 3.000		81 3.18	182 7.16	118 4.64	99 3.90	70 2.76	1/2"65-2
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900		53 2.08	150 5.98	87 3.42	85 3.33	56 2.20	3/8"55-2	100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500		86 3.38	182 7.16	124 4.88	99 3.90	70 2.76	1/2"65-2



注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Groove Pipe Fitting

Threaded mechanical tee

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Hole Dia. Mm/in +1.6,0/-0.063,0	Dimensions mm/in	Bolt Size	Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Hole Dia. Mm/in +1.6,0/-0.063,0	Dimensions mm/in	Bolt Size
规格	管子基本尺寸	工作压力	开孔尺寸	A B C D	螺栓规格	规格	管子基本尺寸	工作压力	开孔尺寸	A B C D	螺栓规格
50 × 15 2 × 1/2	60.3 × 21.3 2.375 × 0.825		30 1.18	116 68 58 40 4.57 2.68 2.28 1.57	3/8"55-2	65 × 15 2 1/2 × 1/2	76.1 × 21.3 3.000 × 0.825		30 1.18	137 71 68 49.5 5.39 2.80 2.72 1.95	3/8"55-2
50 × 20 2 × 3/4	60.3 × 26.9 2.375 × 1.050		30 1.18	116 68 58 39 4.57 2.68 2.28 1.53	3/8"55-2	65 × 20 2 1/2 × 3/4	76.1 × 26.9 3.000 × 1.050		30 1.18	137 71 68 49.5 5.39 2.80 2.72 1.95	3/8"55-2
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315		38 1.50	118 71 58 40 4.64 2.80 2.36 1.57	3/8"55-2	65 × 25 2 1/2 × 1	76.1 × 33.7 3.000 × 1.315		38 1.50	136 72 69 49 5.35 2.83 2.72 1.93	3/8"55-2
50 × 32 2 × 1 1/4	60.3 × 42.4 2.375 × 1.660		46 1.81	118 75 60 40 4.64 2.95 2.56 1.57	3/8"55-2	65 × 32 2 1/2 × 1 1/4	76.1 × 42.4 3.000 × 1.660		46 1.81	136 81 71 49 5.35 3.18 2.72 1.93	3/8"55-2
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		46 1.81	118 75 63 40 4.64 2.95 2.56 1.57	3/8"55-2	65 × 40 2 1/2 × 1 1/2	76.1 × 48.3 3.000 × 1.900		53 2.08	136 86 71 49 5.35 3.38 2.72 1.93	3/8"55-2
65 × 15 2 1/2 × 1/2	73.0 × 21.3 2.875 × 0.825	300psi 2.07MPa	30 1.18	144 71 66 49 5.66 2.80 2.72 1.93	3/8"55-2	80 × 15 3 × 1/2	88.9 × 21.3 3.500 × 0.825	300psi 2.07MPa	30 1.18	152 72.5 74 56.5 5.98 2.85 3.15 2.22	3/8"55-2
65 × 20 2 1/2 × 3/4	73.0 × 26.9 2.875 × 1.050		30 1.18	144 71 66 49 5.66 2.80 2.72 1.93	3/8"55-2	80 × 20 3 × 3/4	88.9 × 26.9 3.500 × 1.050		30 1.18	152 72.5 74 56.5 5.98 2.85 3.15 2.22	3/8"55-2
65 × 25 2 1/2 × 1	73.0 × 33.7 2.875 × 1.315		38 1.50	133 72 67 47 5.23 2.83 2.72 1.85	3/8"55-2	80 × 25 3 × 1	88.9 × 33.7 3.500 × 1.315		38 1.50	150 73 75 56 5.98 2.87 3.15 2.20	3/8"55-2
65 × 32 2 1/2 × 1 1/4	73.0 × 42.4 2.875 × 1.660		46 1.81	133 81 69 47 5.23 3.18 2.87 1.85	3/8"55-2	80 × 32 3 × 1 1/4	88.9 × 42.4 3.500 × 1.660		46 1.81	150 82 77 56 5.98 3.22 3.15 2.20	3/8"55-2
65 × 40 2 1/2 × 1 1/2	73.0 × 48.3 2.875 × 1.900		53 2.08	133 86 69 47 5.23 3.38 2.87 1.85	3/8"55-2	80 × 40 3 × 1 1/2	88.9 × 48.3 3.500 × 1.900		53 2.08	150 87 77 56 5.90 3.42 3.15 2.20	3/8"55-2

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Hole Dia. Mm/in +1.6,0/-0.063,0	Dimensions mm/in	Bolt Size	Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Hole Dia. Mm/in +1.6,0/-0.063,0	Dimensions mm/in	Bolt Size
规格	管子基本尺寸	工作压力	开孔尺寸	A B C D	螺栓规格	规格	管子基本尺寸	工作压力	开孔尺寸	A B C D	螺栓规格
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375		61 2.40	150 100 81 56 5.90 3.93 3.15 2.20	3/8"55-2	100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		61 2.40	182 100 95 70 7.16 3.93 3.62 2.76	1/2"65-2
100 × 25 4 × 1	108.0 × 33.7 4.250 × 1.315		38 1.50	172 78.5 87 64.5 6.77 3.09 3.43 2.54	1/2"65-2	100 × 65 4 × 2 1/2	114.3 × 73.0 4.500 × 2.875		81 3.18	182 118 94 70 7.16 4.64 4.02 2.76	1/2"65-2
100 × 32 4 × 1 1/4	108.0 × 42.4 4.250 × 1.660		46 1.81	172 89 87 64.5 6.77 3.50 3.43 2.54	1/2"65-2	100 × 65 4 × 2 1/2	114.3 × 76.1 4.500 × 3.000		81 3.18	182 118 94 70 7.16 4.64 4.02 2.76	1/2"65-2
100 × 40 4 × 1 1/2	108.0 × 48.3 4.250 × 1.900		53 2.08	172 89 87 64.5 6.77 3.50 3.43 2.54	1/2"65-2	100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		86 3.38	182 124 100 70 7.16 4.88 4.02 2.76	1/2"65-2
100 × 50 4 × 2	108.0 × 60.3 4.250 × 2.375	300psi 2.07MPa	61 2.40	172 106.5 92 64.5 6.77 4.19 3.62 2.54	1/2"65-2	125 × 25 5 × 1	133.0 × 33.7 5.250 × 1.315	300psi 2.07MPa	38 1.50	208 74 160 79 8.18 2.91 4.13 3.11	1/2"75-2
100 × 65 4 × 2 1/2	108.0 × 76.1 4.250 × 3.000		81 3.18	172 106.5 96 64.5 6.77 4.19 3.78 2.54	1/2"65-2	125 × 32 5 × 1 1/4	133.0 × 42.4 5.250 × 1.660		46 1.81	208 83 101 79 8.18 3.26 4.13 3.11	1/2"75-2
100 × 80 4 × 3	108.0 × 88.9 4.250 × 3.500		86 3.38	172 106.5 100 64.5 6.77 4.19 3.94 2.54	1/2"65-2	125 × 40 5 × 1 1/2	133.0 × 48.3 5.250 × 1.900		53 2.08	208 88 101 79 8.18 3.46 4.13 3.11	1/2"75-2
100 × 25 4 × 1	114.3 × 33.7 4.500 × 1.315		38 1.50	182 73 89 70 7.16 2.87 3.66 2.76	1/2"65-2	125 × 50 5 × 2	133.0 × 60.3 5.250 × 2.375		61 2.40	208 102 105 79 8.18 4.01 4.33 3.11	1/2"75-2
100 × 32 4 × 1 1/4	114.3 × 42.4 4.500 × 1.660		46 1.81	182 82 90 70 7.16 3.22 3.74 2.76	1/2"65-2	125 × 65 5 × 2 1/2	133.0 × 76.1 5.250 × 3.000		81 3.18	208 119 103 79 8.18 4.68 4.53 3.11	1/2"75-2
100 × 40 4 × 1 1/2	114.3 × 48.3 4.500 × 1.900		53 2.08	182 87 90 70 7.16 3.42 3.62 2.76	1/2"65-2	125 × 80 5 × 3	133.0 × 88.9 5.250 × 3.500		86 3.38	208 134 110 79 8.18 5.27 4.65 3.11	1/2"75-2

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

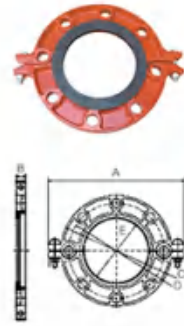
Threaded mechanical tee

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Hole Dia. Mm/in +1.6,0/-0.063,0	Dimensions mm/in	Bolt Size	Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Hole Dia. Mm/in +1.6,0/-0.063,0	Dimensions mm/in	Bolt Size
规格	管子基本尺寸	工作压力	开孔尺寸	A B C D	螺栓规格	规格	管子基本尺寸	工作压力	开孔尺寸	A B C D	螺栓规格
125 × 25 5 × 1	139.7 × 33.7 5.500 × 1.315		38 1.50	215 74 103 83 8.46 2.91 4.33 3.26	1/2"75-2	150 × 40 6 × 1 1/2	165.1 × 48.3 6.500 × 1.900		53 2.08	240 88 118 97.5 9.44 3.46 4.65 3.84	9/16"75-2
125 × 32 5 × 1 1/4	139.7 × 42.4 5.500 × 1.660		46 1.81	215 83 104 83 8.46 3.26 4.41 3.26	1/2"75-2	150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		61 2.40	240 102 120 96 9.44 4.01 5.43 3.77	9/16"75-2
125 × 40 5 × 1 1/2	139.7 × 48.3 5.500 × 1.900		53 2.08	215 88 104 83 8.46 3.46 4.41 3.26	1/2"75-2	150 × 65 6 × 2 1/2	165.1 × 76.1 6.500 × 3.000		81 3.18	240 119 121 96 9.44 4.68 5.43 3.77	9/16"75-2
125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375		61 2.40	215 102 108 83 8.46 4.01 4.53 3.26	1/2"75-2	150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		86 3.38	240 134 126 96 9.44 5.27 5.43 3.77	9/16"75-2
125 × 65 5 × 2 1/2	139.7 × 76.1 5.500 × 3.000		81 3.18	215 119 108 83 8.46 4.68 4.53 3.26	1/2"75-2	150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		114 4.48	240 158 132 96 9.44 6.22 5.32 3.77	9/16"75-2
125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		86 3.38	215 134 113 83 8.46 5.27 4.72 3.26	1/2"75-2	150 × 25 6 × 1	168.3 × 33.7 6.625 × 1.315		38 1.50	244 74 119 97 9.60 2.91 5.12 3.81	9/16"75-2
125 × 25 5 × 1	141.3 × 33.7 5.563 × 1.315		38 1.50	215 74 103 84 8.46 2.91 4.33 3.31	1/2"75-2	150 × 32 6 × 1 1/4	168.3 × 42.4 6.625 × 1.660		46 1.81	244 83 120 96.5 9.60 3.26 5.12 3.88	9/16"75-2
125 × 32 5 × 1 1/4	141.3 × 42.4 5.563 × 1.660		46 1.81	215 83 104 84 8.46 3.26 4.41 3.31	1/2"75-2	150 × 40 6 × 1 1/2	168.3 × 48.3 6.625 × 1.900		53 2.08	244 88 120 96.5 9.60 3.46 4.80 3.88	9/16"75-2
125 × 40 5 × 1 1/2	141.3 × 48.3 5.563 × 1.900		53 2.00	215 88 104 84 8.46 3.46 4.41 3.31	1/2"75-2	150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		61 2.40	244 102 122 97 9.60 4.01 5.20 3.81	9/16"75-2
125 × 50 5 × 2	141.3 × 60.3 5.563 × 2.375		61 2.40	215 102 108 83 8.46 4.01 4.53 3.26	1/2"75-2	150 × 65 6 × 2 1/2	168.3 × 73.0 6.625 × 2.875		81 3.18	244 119 123 97 9.60 4.68 5.20 3.81	9/16"75-2
125 × 65 5 × 2 1/2	141.3 × 76.1 5.563 × 3.000	300psi 2.07MPa	81 3.18	215 119 108 83 8.46 4.64 4.53 3.26	1/2"75-2	150 × 65 6 × 2 1/2	168.3 × 76.1 6.625 × 3.000		81 3.18	244 119 123 97 9.60 4.68 5.20 3.81	9/16"75-2
125 × 80 5 × 3	141.3 × 88.9 5.563 × 3.500		86 3.38	215 134 114 83 8.46 5.27 4.72 3.26	1/2"75-2	150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500		86 3.38	244 134 128 97 9.60 5.27 5.51 3.81	9/16"75-2
150 × 25 6 × 1	159.0 × 33.7 6.250 × 1.315		38 1.50	244 78 116 94 9.60 3.07 4.57 3.70	9/16"75-2	150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500		114 4.48	244 158 134 97 9.60 6.22 5.51 3.81	9/16"75-2
150 × 32 6 × 1 1/4	159.0 × 42.4 6.250 × 1.660		46 1.81	244 93 118 94 9.60 3.66 4.65 3.70	9/16"75-2	200 × 25 8 × 1	219.1 × 33.7 8.625 × 1.315		38 1.50	308 74 145 124 12.12 2.91 5.91 4.88	5/8"95-2
150 × 40 6 × 1 1/2	159.0 × 48.3 6.250 × 1.900		53 2.08	244 98 118 94 9.60 3.66 4.65 3.70	9/16"75-2	200 × 32 8 × 1 1/4	219.1 × 42.4 8.625 × 1.660		46 1.81	308 83 146 124 12.12 3.26 5.91 4.88	5/8"95-2
150 × 50 6 × 2	159.0 × 60.3 6.250 × 2.375		61 2.40	230 98 115 90 9.05 3.85 4.53 3.54	9/16"75-2	200 × 40 8 × 1 1/2	219.1 × 48.3 8.625 × 1.900		53 2.08	308 88 146 124 12.12 3.46 5.91 4.88	5/8"95-2
150 × 65 6 × 2 1/2	159.0 × 76.1 6.250 × 3.000		81 3.18	230 121 125 90 9.05 4.76 4.92 3.54	9/16"75-2	200 × 50 8 × 2	219.1 × 60.3 8.625 × 2.375		61 2.40	308 102 149 124 12.12 4.01 6.30 4.88	5/8"95-2
150 × 80 6 × 3	159.0 × 88.9 6.250 × 3.500		86 3.38	230 134 125 90 9.05 5.27 4.92 3.54	9/16"75-2	200 × 65 8 × 2 1/2	219.1 × 76.1 8.625 × 3.000		81 3.18	308 119 149 124 12.12 4.68 6.24 4.88	5/8"95-2
150 × 100 6 × 4	159.0 × 114.3 6.250 × 4.500		114 4.48	230 155 130 90 9.05 6.10 5.12 3.54	9/16"75-2	200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500		86 3.38	308 134 154 124 12.12 5.27 6.30 4.88	5/8"95-2
150 × 25 6 × 1	165.1 × 33.7 6.500 × 1.315		38 1.50	240 74 117 96 9.44 2.91 4.65 3.77	9/16"75-2	200 × 100 8 × 4	219.1 × 114.3 8.625 × 4.500		114 4.48	308 158 159 124 12.12 6.22 6.30 4.88	5/8"95-2

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Grooved flange

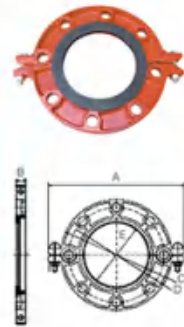
Grooved Flange ANSI Class 150 沟槽法兰



沟槽法兰
Grooved flange
XGQT09

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in					Bolt Size	
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	No.-Size mm/in	
规格	管子基本尺寸	工作压力	尺寸					螺栓	
50 2	60.3 2.375	300psi 2.07MPa	206 8.11	19 0.74	152 5.98	121 4.76	57.5 2.26	M10*50-2	5/8-4
65 2 1/2	73 2.875		230 9.05	19 0.74	178 7.00	140 5.51	69.0 2.71	M10*50-2	5/8-4
80 3	88.9 3.5		244 9.60	19 0.74	191 7.52	152 5.98	85.0 3.34	M10*50-2	5/8-4
100 4	114.3 4.5		280 11.02	19 0.74	229 9.00	191 7.52	110.5 4.35	M12*55-2	5/8-8
125 5	141.3 5.563		322 12.67	22 0.86	250 9.84	216 8.50	137.0 5.39	M12*65-2	3/4-8
150 6	168.3 6.625		346 13.62	22 0.86	285 11.22	241.5 9.50	164.0 6.45	M12*65-2	3/4-8
200 8	219.1 8.625		410 16.14	24 0.94	340.0 13.38	298.5 11.75	214.0 8.42	3/8*70-2	3/4-8
250 10	273 10.75		478.0 18.81	25 0.98	405.6 15.97	362.0 14.25	268.0 10.55	3/8*70-2	7/8-12

Grooved Flange PN 16 沟槽法兰



沟槽法兰
Grooved flange
XGQT09

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in					Bolt Size	
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	No.-Size mm/in	
规格	管子基本尺寸	工作压力	尺寸					螺栓	
50 2	60.3 2.375	232psi 1.6MPa	215 8.46	24 0.95	160 6.29	125 4.92	57.5 2.26	M10*50-2	4-M16
65 2 1/2	73 2.875		240 9.44	24 0.95	176 6.92	145 5.71	69.8 2.74	M10*50-2	4-M16
65 2 1/2	76.1 3		240 9.44	24 0.95	176 6.92	145 5.71	72.7 2.86	M10*50-2	4-M16
80 3	88.9 3.5		250 9.84	24 0.95	184 7.24	160 6.30	85.5 3.37	M10*50-2	8-M16
100 4	108 4.25		266 10.47	24 0.95	218 8.58	180 7.09	104.5 4.11	M12*55-2	8-M16
100 4	114.3 4.5		266 10.47	24 0.95	218 8.58	180 7.09	110.5 4.35	M12*55-2	8-M16
125 5	133 5.25		300 11.81	24 0.95	247 9.72	210 8.27	129.2 5.08	M12*65-2	8-M16
125 5	139.7 5.5		300 11.81	24 0.95	247 9.72	210 8.27	135.5 5.33	M12*65-2	8-M16
125 5	141.3 5.563		300 11.81	24 0.95	247 9.72	210 8.27	137.4 5.41	M12*65-2	8-M16
150 6	159 6.25		336 13.22	24 0.95	282 11.10	240 9.45	154.5 6.08	M12*65-2	8-M20
150 6	165.1 6.5		336 13.22	24 0.95	282 11.10	240 9.45	163.5 6.43	M12*65-2	8-M20
150 6	168.3 6.625		336 13.22	24 0.95	282 11.10	240 9.45	163.5 6.43	M12*65-2	8-M20
200 8	219.1 8.625		395 15.55	27 1.06	335 13.18	295 11.61	214.5 8.44	3/8*70-2	12-M20
250 10	273 10.75		470 18.50	27 1.06	404 15.90	355 13.97	267 10.51	3/8*70-2	12-M24

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Elbow

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
25 1	33.7 1.327	300psi 2.07MPa	57 2.24
32 1 1/4	42.4 1.669		60 2.36
40 1 1/2	48.3 1.9		60 2.36
50 2	60.3 2.375		70 2.75
65 2 1/2	73 2.875		76 3.00
65 2 1/2	76.1 3		76 3.00
80 3	88.9 3.5		86 3.38
100 4	108 4.25		101 3.98
100 4	114.3 4.5		101 3.98
125 5	133 5.25		121 4.76
125 5	139.7 5.5	300psi 2.07MPa	121 4.76
125 5	141.3 5.563		121 4.76
150 6	159 6.25		140 5.51
150 6	165.1 6.5		140 5.51
150 6	168.3 6.625		140 5.51
200 8	219.1 8.625		175 6.88
250 10	273 10.75		188.5 7.42
300 12	323.9 12.750		222.5 8.76



90°弯头
90° Elbow
XGQT01



45°弯头
45° Elbow
XGQT02

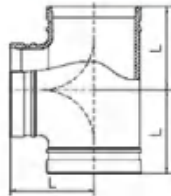
Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
25 1	33.7 1.327	300psi 2.07MPa	45 1.77
32 1 1/4	42.4 1.669		45 1.77
40 1 1/2	48.3 1.9		45 1.77
50 2	60.3 2.375		51 2.00
65 2 1/2	73 2.875		57 2.24
65 2 1/2	76.1 3		57 2.24
80 3	88.9 3.5		64 2.51
100 4	108 4.25		76 3.00
100 4	114.3 4.5		76 3.00
125 5	133 5.25		82.5 3.24
125 5	139.7 5.5	300psi 2.07MPa	82.5 3.24
125 5	141.3 5.563		82.5 3.24
150 6	159 6.25		89 3.50
150 6	165.1 6.5		89 3.50
150 6	168.3 6.625		89 3.50
200 8	219.1 8.625		108 4.25
250 10	273 10.75		120.5 4.74
300 12	323.9 12.750		133 5.23

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Groove Pipe Fitting

Tee

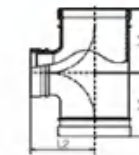
Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
25 1	33.7 1.327	300psi 2.07MPa	57 2.24
32 1 1/4	42.4 1.669		60 2.36
40 1 1/2	48.3 1.9		60 2.36
50 2	60.3 2.375		70 2.75
65 2 1/2	73 2.875		76 3.00
65 2 1/2	76.1 3		76 3.00
80 3	88.9 3.5		86 3.38
100 4	108 4.25		101 3.98
100 4	114.3 4.5		101 3.98
125 5	133 5.25		121 4.76
125 5	139.7 5.5		121 4.76
125 5	141.3 5.563		121 4.76
150 6	159 6.25		140 5.51
150 6	165.1 6.5		140 5.51
150 6	168.3 6.625		140 5.51
200 8	219.1 8.625		175 6.88
250 10	273 10.75		215 8.46
300 12	323.9 12.750		245 9.64



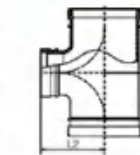
正三通
Tee
XGQT03

Grooved reducing tee

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315	300psi 2.07MPa	70 2.75	70 2.75
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660		70 2.75	70 2.75
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900		70 2.75	70 2.75
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660		76 3.00	76 3.00
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900		76 3.00	76 3.00
65 x 50 2 1/2 x 2	73.0 x 60.3 2.875 x 2.375		76 3.00	76 3.00
65 x 32 2 1/2 x 1 1/4	76.1 x 42.4 3.000 x 1.660		76 3.00	76 3.00
65 x 40 2 1/2 x 1 1/2	76.1 x 48.3 3.000 x 1.900		76 3.00	76 3.00
65 x 50 2 1/2 x 2	76.1 x 60.3 3.000 x 2.375		76 3.00	76 3.00
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900		86 3.38	86 3.38
80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375		86 3.38	86 3.38
80 x 65 3 x 2 1/2	88.9 x 76.1 3.500 x 3.000		86 3.38	86 3.38
100 x 65 4 x 2 1/2	108.0 x 76.1 4.250 x 3.000		101 3.98	101 3.98
100 x 80 4 x 3	108.0 x 88.9 4.250 x 3.500		101 3.98	101 3.98
100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375		101 3.98	101 3.98
100 x 65 4 x 2 1/2	114.3 x 76.1 4.500 x 3.000		101 3.98	101 3.98
100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500		101 3.98	101 3.98
125 x 50 5 x 2	133.0 x 60.3 5.250 x 2.375		121 4.76	121 4.76
125 x 65 5 x 2 1/2	133.0 x 76.1 5.250 x 3.000		121 4.76	121 4.76
125 x 100 5 x 4	133.0 x 108.0 5.250 x 4.250		121 4.76	121 4.76
125 x 100 5 x 4	133.0 x 114.3 5.250 x 4.500		121 4.76	121 4.76
125 x 50 5 x 2	139.7 x 60.3 5.500 x 2.375		121 4.76	121 4.76
125 x 65 5 x 2 1/2	139.7 x 76.1 5.500 x 3.000		121 4.76	121 4.76
125 x 80 5 x 3	139.7 x 88.9 5.500 x 3.500		121 4.76	121 4.76
125 x 100 5 x 4	139.7 x 114.3 5.500 x 4.500		121 4.76	121 4.76
125 x 50 5 x 2	141.3 x 60.3 5.563 x 2.375		121 4.76	121 4.76
125 x 65 5 x 2 1/2	141.3 x 73.0 5.563 x 2.875		121 4.76	121 4.76



沟槽式异径三通
Grooved Reducing Tee
XGQT04



沟槽式异径三通
Grooved Reducing Tee
XGQT04

Groove Pipe Fitting

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸
125 x 65 5 x 2 1/2	141.3 x 76.1 5.563 x 3.000	300psi 2.07MPa	121 4.76	121 4.76
125 x 80 5 x 3	141.3 x 88.9 5.563 x 3.500		121 4.76	121 4.76
125 x 100 5 x 4	141.3 x 114.3 5.563 x 4.500		121 4.76	121 4.76
150 x 65 6 x 2 1/2	159.0 x 76.1 6.250 x 3.000		140 5.50	140 5.50
150 x 80 6 x 3	159.0 x 88.9 6.250 x 3.500		140 5.50	140 5.50
150 x 100 6 x 4	159.0 x 108.0 6.250 x 4.250		140 5.50	140 5.50
150 x 100 6 x 4	159.0 x 114.3 6.250 x 4.500		140 5.50	140 5.50
150 x 50 6 x 2	165.1 x 60.3 6.500 x 2.375		140 5.50	140 5.50
150 x 65 6 x 2 1/2	165.1 x 76.1 6.500 x 3.000		140 5.50	140 5.50
150 x 80 6 x 3	165.1 x 88.9 6.500 x 3.500		140 5.50	140 5.50
150 x 100 6 x 4	165.1 x 114.3 6.500 x 4.500		140 5.50	140 5.50
150 x 125 6 x 5	165.1 x 139.7 6.500 x 5.500		140 5.50	140 5.50
150 x 50 6 x 2	168.3 x 60.3 6.625 x 2.375		140 5.50	140 5.50
150 x 65 6 x 2 1/2	168.3 x 76.1 6.625 x 3.000		140 5.50	140 5.50
150 x 80 6 x 3	168.3 x 88.9 6.625 x 3.500		140 5.50	140 5.50
200 x 65 8 x 2 1/2	219.1 x 76.1 8.625 x 3.000		175 6.88	175 6.88
200 x 80 8 x 3	219.1 x 88.9 8.625 x 3.500		175 6.88	175 6.88
200 x 100 8 x 4	219.1 x 108.0 8.625 x 4.250		175 6.88	175 6.88
200 x 100 8 x 4	219.1 x 114.3 8.625 x 4.500		175 6.88	175 6.88
200 x 125 8 x 5	219.1 x 139.7 8.625 x 5.500		175 6.88	175 6.88
200 x 150 8 x 6	219.1 x 159.0 8.625 x 6.250		175 6.88	175 6.88
200 x 150 8 x 6	219.1 x 165.1 8.625 x 6.500		175 6.88	175 6.88
200 x 150 8 x 6	219.1 x 168.3 8.625 x 6.625		175 6.88	175 6.88
250 x 100 10 x 4	273.0 x 114.3 10.750 x 4.500		215 8.46	215 8.46
250 x 125 10 x 5	273.0 x 139.7 10.750 x 5.500		215 8.46	215 8.46
250 x 150 10 x 6	273.0 x 165.1 10.750 x 6.500		215 8.46	215 8.46

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Threaded reducing tee

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸
40 x 25 1 1/2 x 1	48.3 x 33.7 1.900 x 1.315		60 2.36	60 2.36
40 x 32 1 1/2 x 1 1/4	48.3 x 42.4 1.900 x 1.660		60 2.36	60 2.36
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315		70 2.75	70 2.75
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660		70 2.75	70 2.75
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900		70 2.75	70 2.75
65 x 25 2 1/2 x 1	73.0 x 33.7 2.875 x 1.315		76 3.00	76 3.00
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660		76 3.00	76 3.00
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900		76 3.00	76 3.00
65 x 50 2 1/2 x 2	73.0 x 60.3 2.875 x 2.375		76 3.00	76 3.00
65 x 25 2 1/2 x 1	76.1 x 33.7 3.000 x 1.315		76 3.00	76 3.00
65 x 32 2 1/2 x 1 1/4	76.1 x 42.4 3.000 x 1.660		76 3.00	76 3.00
65 x 40 2 1/2 x 1 1/2	76.1 x 48.3 3.000 x 1.900		76 3.00	76 3.00
65 x 50 2 1/2 x 2	76.1 x 60.3 3.000 x 2.375		76 3.00	76 3.00
80 x 25 3 x 1	88.9 x 33.7 3.500 x 1.315	300psi 2.07MPa	86 3.38	86 3.38
80 x 32 3 x 1 1/4	88.9 x 42.4 3.500 x 1.660		86 3.38	86 3.38
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900		86 3.38	86 3.38
80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375		86 3.38	86 3.38
80 x 65 3 x 2 1/2	88.9 x 76.1 3.500 x 3.000		86 3.38	86 3.38
100 x 65 4 x 2 1/2	108.0 x 76.1 4.250 x 3.000		101 3.98	101 3.98
100 x 80 4 x 3	108.0 x 88.9 4.250 x 3.500		101 3.98	101 3.98
100 x 25 4 x 1	114.3 x 33.7 4.500 x 1.315		101 3.98	101 3.98
100 x 32 4 x 1 1/4	114.3 x 42.4 4.500 x 1.660		101 3.98	101 3.98
100 x 40 4 x 1 1/2	114.3 x 48.3 4.500 x 1.900		101 3.98	101 3.98
100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375		101 3.98	101 3.98
100 x 65 4 x 2 1/2	114.3 x 76.1 4.500 x 3.000		101 3.98	101 3.98
100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500		101 3.98	101 3.98
125 x 25 5 x 1	139.7 x 33.7 5.500 x 1.315		121 4.76	121 4.76



螺纹式异径三通
Threaded Reducing Tee
XGQT04S

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸
125 x 32 5 x 1 1/4	139.7 x 42.4 5.500 x 1.660		121 4.76	121 4.76
125 x 40 5 x 1 1/2	139.7 x 48.3 5.500 x 1.900		121 4.76	121 4.76
125 x 50 5 x 2	139.7 x 60.3 5.500 x 2.375		121 4.76	121 4.76
125 x 65 5 x 2 1/2	139.7 x 76.1 5.500 x 3.000		121 4.76	121 4.76
125 x 80 5 x 3	139.7 x 88.9 5.500 x 3.500		121 4.76	121 4.76
125 x 25 5 x 1	141.3 x 33.7 5.563 x 1.315		121 4.76	121 4.76
125 x 32 5 x 1 1/4	141.3 x 42.4 5.563 x 1.660		121 4.76	121 4.76
125 x 40 5 x 1 1/2	141.3 x 48.3 5.563 x 1.900		121 4.76	121 4.76
125 x 50 5 x 2	141.3 x 60.3 5.563 x 2.375		121 4.76	121 4.76
125 x 65 5 x 2 1/2	141.3 x 73.0 5.563 x 2.875		121 4.76	121 4.76
125 x 65 5 x 2 1/2	141.3 x 76.1 5.563 x 3.000		121 4.76	121 4.76
150 x 65 6 x 2 1/2	159.0 x 76.1 6.250 x 3.000		140 5.50	140 5.50
150 x 80 6 x 3	159.0 x 88.9 6.250 x 3.500		140 5.50	140 5.50
150 x 25 6 x 1	165.1 x 33.7 6.500 x 1.315		140 5.50	140 5.50
150 x 32 6 x 1 1/4	165.1 x 42.4 6.500 x 1.660		140 5.50	140 5.50
150 x 40 6 x 1 1/2	165.1 x 48.3 6.500 x 1.900		140 5.50	140 5.50
150 x 50 6 x 2	165.1 x 60.3 6.500 x 2.375		140 5.50	140 5.50
150 x 65 6 x 2 1/2	165.1 x 76.1 6.500 x 3.000		140 5.50	140 5.50
150 x 80 6 x 3	165.1 x 88.9 6.500 x 3.500		140 5.50	140 5.50
150 x 100 6 x 4	165.1 x 114.3 6.500 x 4.500		140 5.50	140 5.50
150 x 25 6 x 1	168.3 x 33.7 6.625 x 1.315		140 5.50	140 5.50
150 x 32 6 x 1 1/4	168.3 x 42.4 6.625 x 1.660		140 5.50	140 5.50
150 x 40 6 x 1 1/2	168.3 x 48.3 6.625 x 1.900		140 5.50	140 5.50
150 x 50 6 x 2	168.3 x 60.3 6.625 x 2.375		140 5.50	140 5.50
200 x 50 8 x 2	219.1 x 60.3 8.625 x 2.375		175 6.88	175 6.88
200 x 65 8 x 2 1/2	219.1 x 76.1 8.625 x 3.000		175 6.88	175 6.88
200 x 80 8 x 3	219.1 x 88.9 8.625 x 3.500		175 6.88	175 6.88



螺纹式异径三通
Threaded Reducing Tee
XGQT04S

Cross



正四通
Cross
XGQT05

Groove Pipe Fitting

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
32 1 1/4	42.4 1.669		60 2.36
40 1 1/2	48.3 1.9		60 2.36
50 2	60.3 2.375		70 2.75
65 2 1/2	73 2.875		76 3.00
65 2 1/2	76.1 3		76 3.00
80 3	88.9 3.5		86 3.38
100 4	108 4.25		101 3.98
100 4	114.3 4.5		101 3.98
125 5	133 5.25	300psi 2.07MPa	121 4.76
125 5	139.7 5.5		121 4.76
125 5	141.3 5.563		121 4.76
150 6	159 6.25		140 5.51
150 6	165.1 6.5		140 5.51
150 6	168.3 6.625		140 5.51
200 8	219.1 8.625		175 6.88
250 10	273 10.75		215 8.46
300 12	323.9 12.750		245 9.64

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Grooved/Threaded reducing Cross

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸

100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		101 3.98	101 3.98
-------------------	-------------------------------	--	-------------	-------------

100 × 65 4 × 2½	114.3 × 76.1 4.500 × 3.000		101 3.98	101 3.98
--------------------	-------------------------------	--	-------------	-------------

100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		101 3.98	101 3.98
-------------------	-------------------------------	--	-------------	-------------



沟槽式异径四通
Grooved
Reducing Cross
XGQT051

125 × 100 5 × 4	139.7 × 114.3 5.500 × 4.500		121 4.76	121 4.76
--------------------	--------------------------------	--	-------------	-------------

150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500	300psi 2.07MPa	140 5.50	140 5.50
--------------------	--------------------------------	-------------------	-------------	-------------

150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		140 5.50	140 5.50
-------------------	-------------------------------	--	-------------	-------------

150 × 65 6 × 2½	168.3 × 76.1 6.625 × 3.000		140 5.50	140 5.50
--------------------	-------------------------------	--	-------------	-------------

150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500		140 5.50	140 5.50
-------------------	-------------------------------	--	-------------	-------------

150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500		140 5.50	140 5.50
--------------------	--------------------------------	--	-------------	-------------

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸

100 × 25 4 × 1	114.3 × 33.7 4.500 × 1.315		101 3.98	101 3.98
-------------------	-------------------------------	--	-------------	-------------

100 × 32 4 × 1¼	114.3 × 42.4 4.500 × 1.660		101 3.98	101 3.98
--------------------	-------------------------------	--	-------------	-------------

100 × 40 4 × 1½	114.3 × 48.3 4.500 × 1.900		101 3.98	101 3.98
--------------------	-------------------------------	--	-------------	-------------

100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		101 3.98	101 3.98
-------------------	-------------------------------	--	-------------	-------------

100 × 65 4 × 2½	114.3 × 76.1 4.500 × 3.000		101 3.98	101 3.98
--------------------	-------------------------------	--	-------------	-------------

100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		101 3.98	101 3.98
-------------------	-------------------------------	--	-------------	-------------



螺纹式异径四通
Threaded
Reducing Cross
XGQT051S

125 × 32 5 × 1¼	139.7 × 42.4 5.500 × 1.660		121 4.76	121 4.76
--------------------	-------------------------------	--	-------------	-------------

125 × 40 5 × 1½	139.7 × 48.3 5.500 × 1.900		121 4.76	121 4.76
--------------------	-------------------------------	--	-------------	-------------

125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375	300psi 2.07MPa	121 4.76	121 4.76
-------------------	-------------------------------	-------------------	-------------	-------------

125 × 65 5 × 2½	139.7 × 76.1 5.500 × 3.000		121 4.76	121 4.76
--------------------	-------------------------------	--	-------------	-------------

125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		121 4.76	121 4.76
-------------------	-------------------------------	--	-------------	-------------

150 × 25 6 × 1	165.1 × 33.7 6.500 × 1.315		140 5.50	140 5.50
-------------------	-------------------------------	--	-------------	-------------

150 × 32 6 × 1¼	165.1 × 42.4 6.500 × 1.660		140 5.50	140 5.50
--------------------	-------------------------------	--	-------------	-------------

150 × 40 6 × 1½	165.1 × 48.3 6.500 × 1.900		140 5.50	140 5.50
--------------------	-------------------------------	--	-------------	-------------

150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		140 5.50	140 5.50
-------------------	-------------------------------	--	-------------	-------------

150 × 65 6 × 2½	165.1 × 76.1 6.500 × 3.000		140 5.50	140 5.50
--------------------	-------------------------------	--	-------------	-------------

150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		140 5.50	140 5.50
-------------------	-------------------------------	--	-------------	-------------

Cap

Groove Pipe Fitting

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸

25 1	33.7 1.327		25 0.98
---------	---------------	--	------------

32 1¼	42.4 1.669		25 0.98
----------	---------------	--	------------

40 1½	48.3 1.9		25 0.98
----------	-------------	--	------------

50 2	60.3 2.375		25 0.98
---------	---------------	--	------------

65 2½	73 2.875		25 0.98
----------	-------------	--	------------

65 2½	76.1 3		25 0.98
----------	-----------	--	------------

80 3	88.9 3.5		26 10.2
---------	-------------	--	------------

100 4	108 4.25		26 10.2
----------	-------------	--	------------

100 4	114.3 4.5		26 10.2
----------	--------------	--	------------

125 5	133 5.25		26 10.2
----------	-------------	--	------------

125 5	139.7 5.5		26 10.2
----------	--------------	--	------------

125 5	141.3 5.563		26 10.2
----------	----------------	--	------------

150 6	159 6.25		26 10.2
----------	-------------	--	------------

150 6	165.1 6.5		26 10.2
----------	--------------	--	------------

150 6	168.3 6.625		26 10.2
----------	----------------	--	------------

200 8	219.1 8.625		30 1.18
----------	----------------	--	------------

250 10	273 10.75		32 1.25
-----------	--------------	--	------------

300 12	323.9 12.750		32 1.25
-----------	-----------------	--	------------



盲片
Cap
XGQT06

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Reducer

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
32 × 25 1 1/4 × 1	42.4 × 33.7 1.660 × 1.315		64 2.51
40 × 25 1 1/2 × 1	48.3 × 33.7 1.900 × 1.315		64 2.51
40 × 32 1 1/2 × 1 1/4	48.3 × 42.4 1.900 × 1.660		64 2.51
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315		64 2.51
50 × 32 2 × 1 1/4	60.3 × 42.4 2.375 × 1.660		64 2.51
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		64 2.51
65 × 25 2 1/2 × 1	73.0 × 33.7 2.875 × 1.315		64 2.51
65 × 32 2 1/2 × 1 1/4	73.0 × 42.4 2.875 × 1.660		64 2.51
65 × 40 2 1/2 × 1 1/2	73.0 × 48.3 2.875 × 1.900		64 2.51
65 × 50 2 1/2 × 2	73.0 × 60.3 2.875 × 2.375		64 2.51
65 × 32 2 1/2 × 1 1/4	76.1 × 42.4 3.000 × 1.660	300psi 2.07MPa	64 2.51
65 × 40 2 1/2 × 1 1/2	76.1 × 48.3 3.000 × 1.900		64 2.51
65 × 50 2 1/2 × 2	76.1 × 60.3 3.000 × 2.375		64 2.51
80 × 32 3 × 1 1/4	88.9 × 42.4 3.500 × 1.660		64 2.51
80 × 40 3 × 1 1/2	88.9 × 48.3 3.500 × 1.900		64 2.51
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375		64 2.51
80 × 65 3 × 2 1/2	88.9 × 76.1 3.500 × 3.000		64 2.51
100 × 65 4 × 2 1/2	108.0 × 76.1 4.250 × 3.000		76 2.99
100 × 80 4 × 3	108.0 × 88.9 4.250 × 3.500		76 2.99
100 × 32 4 × 1 1/4	114.3 × 42.4 4.500 × 1.660		76 2.99
100 × 40 4 × 1 1/2	114.3 × 48.3 4.500 × 1.900		76 2.99
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		76 2.99
100 × 65 4 × 2 1/2	114.3 × 76.1 4.500 × 3.000		76 2.99
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		76 2.99
125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375		89 3.50
125 × 65 5 × 2 1/2	139.7 × 76.1 5.500 × 3.000		89 3.50
125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		89 3.50
125 × 100 5 × 4	139.7 × 114.3 5.500 × 4.500		89 3.50
125 × 50 5 × 2	141.3 × 60.3 5.563 × 2.375		89 3.50
125 × 65 5 × 2 1/2	141.3 × 76.1 5.563 × 3.000		89 3.50
125 × 80 5 × 3	141.3 × 88.9 5.563 × 3.500		89 3.50
125 × 100 5 × 4	141.3 × 114.3 5.563 × 4.500		89 3.50
150 × 50 6 × 2	159.0 × 60.3 6.250 × 2.375		102 4.01
150 × 65 6 × 2 1/2	159.0 × 76.1 6.250 × 3.000		102 4.01
150 × 80 6 × 3	159.0 × 88.9 6.250 × 3.500		102 4.01
150 × 100 6 × 4	159.0 × 108.0 6.250 × 4.250		102 4.01
150 × 100 6 × 4	159.0 × 114.3 6.250 × 4.500		102 4.01
150 × 125 6 × 5	159.0 × 133.0 6.250 × 5.250		102 4.01
150 × 125 6 × 5	159.0 × 139.7 6.250 × 5.500		102 4.01
150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		102 4.01
150 × 65 6 × 2 1/2	165.1 × 76.1 6.500 × 3.000		102 4.01
150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		102 4.01
150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		102 4.01
150 × 125 6 × 5	165.1 × 139.7 6.500 × 5.500		102 4.01
150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		102 4.01
150 × 65 6 × 2 1/2	168.3 × 76.1 6.625 × 3.000		102 4.01
150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500		102 4.01
150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500		102 4.01
150 × 125 6 × 5	168.3 × 139.7 6.625 × 5.500		102 4.01
200 × 50 8 × 2	219.1 × 60.3 8.625 × 2.375		127 5
200 × 65 8 × 2 1/2	219.1 × 76.1 8.625 × 3.000		127 5
200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500		127 5
200 × 100 8 × 4	219.1 × 108.0 8.625 × 4.250		127 5
200 × 100 8 × 4	219.1 × 114.3 8.625 × 4.500		127 5
200 × 125 8 × 5	219.1 × 139.7 8.625 × 5.500		127 5
200 × 150 8 × 6	219.1 × 159.0 8.625 × 6.250		127 5
200 × 150 8 × 6	219.1 × 165.1 8.625 × 6.500		127 5
200 × 150 8 × 6	219.1 × 168.3 8.625 × 6.625		127 5



沟槽式大小头
Grooved Concentric Reducdr
XGQT07



沟槽式大小头
Grooved Concentric Reducdr
XGQT07

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Reducer

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
150 × 65 6 × 2 1/2	165.1 × 76.1 6.500 × 3.000		102 4.01
150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		102 4.01
150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		102 4.01
150 × 125 6 × 5	165.1 × 139.7 6.500 × 5.500		102 4.01
150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		102 4.01
150 × 65 6 × 2 1/2	168.3 × 76.1 6.625 × 3.000		102 4.01
150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500		102 4.01
150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500		102 4.01
150 × 80 6 × 5	168.3 × 139.7 6.625 × 5.500		102 4.01
200 × 50 8 × 2	219.1 × 60.3 8.625 × 2.375		127 5
200 × 65 8 × 2 1/2	219.1 × 76.1 8.625 × 3.000		127 5
200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500		127 5
200 × 100 8 × 4	219.1 × 108.0 8.625 × 4.250		127 5
200 × 100 8 × 4	219.1 × 114.3 8.625 × 4.500		127 5
200 × 125 8 × 5	219.1 × 139.7 8.625 × 5.500		127 5
200 × 150 8 × 6	219.1 × 159.0 8.625 × 6.250		127 5
200 × 150 8 × 6	219.1 × 165.1 8.625 × 6.500		127 5
200 × 150 8 × 6	219.1 × 168.3 8.625 × 6.625		127 5
32 × 25 1 1/4 × 1	42.4 × 33.7 1.660 × 1.315		64 2.51
40 × 32 1 1/2 × 1 1/4	48.3 × 42.4 1.900 × 1.660		64 2.51
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315		64 2.51
50 × 32 2 × 1 1/4	60.3 × 42.4 2.375 × 1.660		64 2.51
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		64 2.51
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		64 2.51
65 × 25 2 1/2 × 1	73.0 × 33.7 2.875 × 1.315		64 2.51
65 × 32 2 1/2 × 1 1/4	73.0 × 42.4 2.875 × 1.660		64 2.51
65 × 40 2 1/2 × 1 1/2	73.0 × 48.3 2.875 × 1.900		64 2.51
65 × 50 2 1/2 × 2	73.0 × 60.3 2.875 × 2.375		64 2.51
65 × 25 2 1/2 × 1	76.1 × 33.7 3.000 × 1.315	300psi 2.07MPa	64 2.51
65 × 32 2 1/2 × 1 1/4	76.1 × 42.4 3.000 × 1.660		64 2.51
65 × 40 2 1/2 × 1 1/2	76.1 × 48.3 3.000 × 1.900		64 2.51
65 × 50 2 1/2 × 2	76.1 × 60.3 3.000 × 2.375		64 2.51
80 × 25 3 × 1	88.9 × 33.7 3.500 × 1.315		64 2.51
80 × 32 3 × 1 1/4	88.9 × 42.4 3.500 × 1.660		64 2.51
80 × 40 3 × 1 1/2	88.9 × 48.3 3.500 × 1.900		64 2.51
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375		64 2.51
80 × 65 3 × 2 1/2	88.9 × 76.1 3.500 × 3.000		64 2.51
100 × 25 4 × 1	108.0 × 33.7 4.250 × 1.315		76 2.99
100 × 32 4 × 1 1/4	108.0 × 42.4 4.250 × 1.660		76 2.99
100 × 40 4 × 1 1/2	108.0 × 48.3 4.250 × 1.900		76 2.99
100 × 50 4 × 2	108.0 × 60.3 4.250 × 2.375		76 2.99
100 × 65 4 × 2 1/2	108.0 × 76.1 4.250 × 3.000		76 2.99
100 × 80 4 × 3	108.0 × 88.9 4.250 × 3.500		76 2.99



沟槽式大小头
Grooved Concentric Reducdr
XGQT07



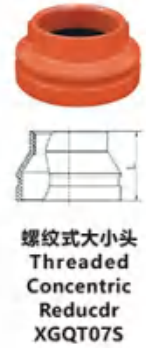
螺纹式大小头
Threaded Concentric Reducdr
XGQT07S

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Groove Pipe Fitting

Reducer

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
100 × 25 4 × 1	114.3 × 33.7 4.500 × 1.315		76 2.99
100 × 32 4 × 1 1/4	114.3 × 42.4 4.500 × 1.660		76 2.99
100 × 40 4 × 1 1/2	114.3 × 48.3 4.500 × 1.900		76 2.99
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		76 2.99
100 × 65 4 × 2 1/2	114.3 × 76.1 4.500 × 3.000		76 2.99
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		76 2.99
125 × 25 5 × 1	133.0 × 33.7 5.250 × 1.315		89 3.50
125 × 32 5 × 1 1/4	133.0 × 42.4 5.250 × 1.660		89 3.50
125 × 40 5 × 1 1/2	133.0 × 48.3 5.250 × 1.900		89 3.50
125 × 50 5 × 2	133.0 × 60.3 5.250 × 2.375		89 3.50
125 × 25 5 × 1	139.7 × 33.7 5.500 × 1.315		89 3.50
125 × 32 5 × 1 1/4	139.7 × 42.4 5.500 × 1.660		89 3.50
125 × 40 5 × 1 1/2	139.7 × 48.3 5.500 × 1.900		89 3.50
125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375		89 3.50
125 × 65 5 × 2 1/2	139.7 × 76.1 5.500 × 3.000		89 3.50
125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		89 3.50
125 × 100 5 × 4	139.7 × 114.3 5.500 × 4.500		89 3.50
125 × 25 5 × 1	141.3 × 33.7 5.563 × 1.315		89 3.50
125 × 32 5 × 1 1/4	141.3 × 42.4 5.563 × 1.660		89 3.50
125 × 40 5 × 1 1/2	141.3 × 48.3 5.563 × 1.900		89 3.50
125 × 50 5 × 2	141.3 × 60.3 5.563 × 2.375		89 3.50
125 × 65 5 × 2 1/2	141.3 × 76.1 5.563 × 3.000		89 3.50
125 × 80 5 × 3	141.3 × 88.9 5.563 × 3.500		89 3.50
150 × 25 6 × 1	159.0 × 33.7 6.250 × 1.315		102 4.01
150 × 32 6 × 1 1/4	159.0 × 42.4 6.250 × 1.660		102 4.01
150 × 40 6 × 1 1/2	159.0 × 48.3 6.250 × 1.900		102 4.01
150 × 50 6 × 2	159.0 × 60.3 6.250 × 2.375		102 4.01
150 × 65 6 × 2 1/2	159.0 × 76.1 6.250 × 3.000		102 4.01
150 × 80 6 × 3	159.0 × 88.9 6.250 × 3.500		102 4.01
150 × 25 6 × 1	165.1 × 33.7 6.500 × 1.315		102 4.01
150 × 32 6 × 1 1/4	165.1 × 42.4 6.500 × 1.660		102 4.01
150 × 40 6 × 1 1/2	165.1 × 48.3 6.500 × 1.900		102 4.01
150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		102 4.01
150 × 65 6 × 2 1/2	165.1 × 76.1 6.500 × 3.000		102 4.01
150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		102 4.01
150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		102 4.01
150 × 25 6 × 1	168.3 × 33.7 6.625 × 1.315		102 4.01
150 × 32 6 × 1 1/4	168.3 × 42.4 6.625 × 1.660		102 4.01
150 × 40 6 × 1 1/2	168.3 × 48.3 6.625 × 1.900		102 4.01
150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		102 4.01
200 × 25 8 × 1	219.1 × 33.7 8.625 × 1.315		127 5
200 × 32 8 × 1 1/4	219.1 × 42.4 8.625 × 1.660		127 5
200 × 40 8 × 1 1/2	219.1 × 48.3 8.625 × 1.900		127 5
200 × 50 8 × 2	219.1 × 60.3 8.625 × 2.375		127 5
200 × 65 8 × 2 1/2	219.1 × 76.1 8.625 × 3.000		127 5
200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500		127 5
200 × 100 8 × 4	219.1 × 114.3 8.625 × 4.500		127 5

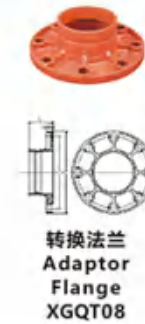


Adaptor flange

Groove Pipe Fitting

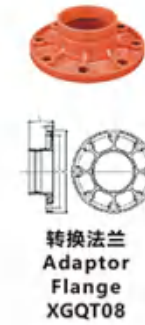
ANSI Class 150

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in				Bolt Size
			L mm/in	X mm/in	Y mm/in	Z mm/in	No.-Size mm
规格	管子基本尺寸	工作压力	尺寸				螺栓
50 2	60.3 2.375		60 2.362	160 6.30	120.7 4.75	15 0.59	4-5/8
65 2 1/2	73 2.875		60 2.362	180 7.08	139.7 5.50	15 0.59	4-5/8
80 3	88.9 3.5		65 2.559	200 7.87	152.5 6.00	15 0.59	8-5/8
100 4	114.3 4.5		70 2.756	228 8.97	190.5 7.50	16 0.63	8-5/8
100 4	141 4.5	300psi 2.07MPa	70 2.756	250 9.84	216 8.50	17 0.67	8-5/8
150 6	168.3 6.625		70 2.756	282 11.10	241.5 9.50	17 0.67	8-3/4
200 8	219.1 8.625		75 2.952	340 13.39	298.5 11.75	19 0.74	8-3/4
250 10	273 10.75		85 3.346	405 15.94	362 14.25	21 0.82	12-7/8
300 12	323.9 12.750		85 3.346	482 18.97	432 17.00	22 0.86	12-7/8



PN16

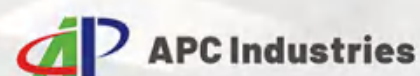
Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in				Bolt Size
			L mm/in	X mm/in	Y mm/in	Z mm/in	No.-Size mm
规格	管子基本尺寸	工作压力	尺寸				螺栓
50 2	60.3 2.375		65 2.559	165 6.50	125 4.92	16 0.63	4-M16
65 2 1/2	76.1 3		65 2.559	185 7.28	145 5.70	16 0.63	4-M16
80 3	88.9 3.5		65 2.559	200 7.87	160 6.29	16 0.63	8-M16
100 4	108 4.25		70 2.756	220 8.66	180 7.08	16 0.63	8-M16
100 4	114.3 4.5		70 2.756	220 8.66	180 7.08	16 0.63	8-M16
125 5	133 5.25		70 2.756	250 9.84	210 8.26	18 0.71	8-M16
125 5	139.7 5.5	232psi 1.6MPa	70 2.756	250 9.84	210 8.26	18 0.71	8-M16
150 6	159 6.25		70 2.756	282 11.10	240 9.44	18 0.71	8-M20
150 6	165.1 6.5		70 2.756	282 11.10	240 9.44	18 0.71	8-M20
150 6	168.3 6.625		70 2.756	282 11.10	240 9.44	18 0.71	8-M20
200 8	219.1 8.625		80 3.150	340 13.39	295 11.61	19 0.74	12-M20
250 10	273 10.75		85 3.346	405 15.94	355 13.97	21 0.82	12-M24
300 12	323.9 12.750		90 3.543	460 18.11	410 16.14	24 0.94	12-M24



注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Fire Fighting Valve



WD-371X/WD-371Y Butterfly Valve

Fire Fighting Valve

Butterfly Valve c/w Signal Gearbox-Wafer End

Technical Features

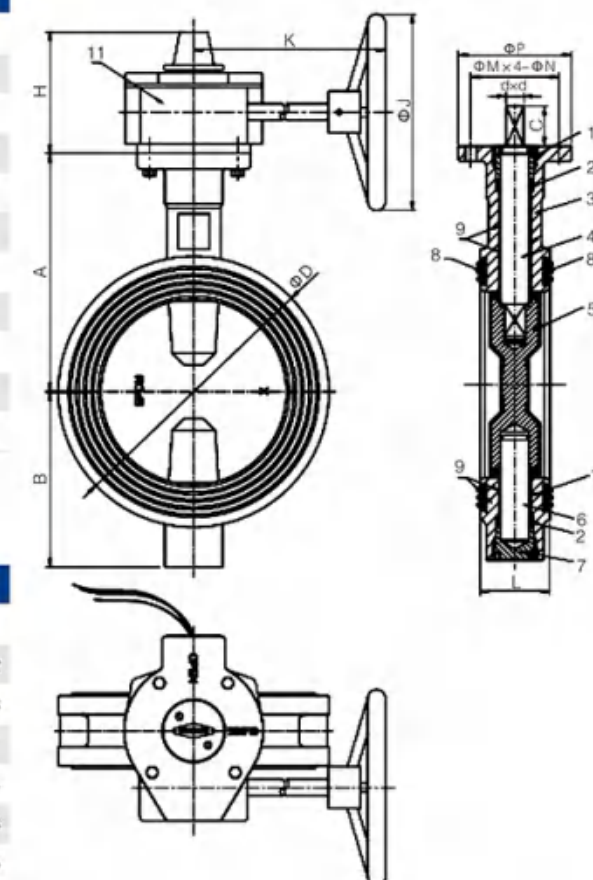
- Flange Standard: ANSI 125/150, DIN 2501 PN10/16
- Connection: Wafer End
- Sizes: 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF/ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL1091 & ULC/ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C/176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system.
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available

Valve Material List

No.	Description	Material
1	Upper Shaft Sealing Nut	WCB
2	Shaft Seal	EPDM
3	Body	Ductile Iron
4	Upper Shaft	416 Stainless Steel
5	Disc+Rubber Seat	Ductile Iron+EPDM
6	Lower Shaft	416 Stainless Steel
7	Lower Shaft Sealing Nut	WCB
8	End Face Seal	EPDM
9	Stem Bushing	PTFE/C95400
10	O-Ring	EPDM
11	Gearbox	

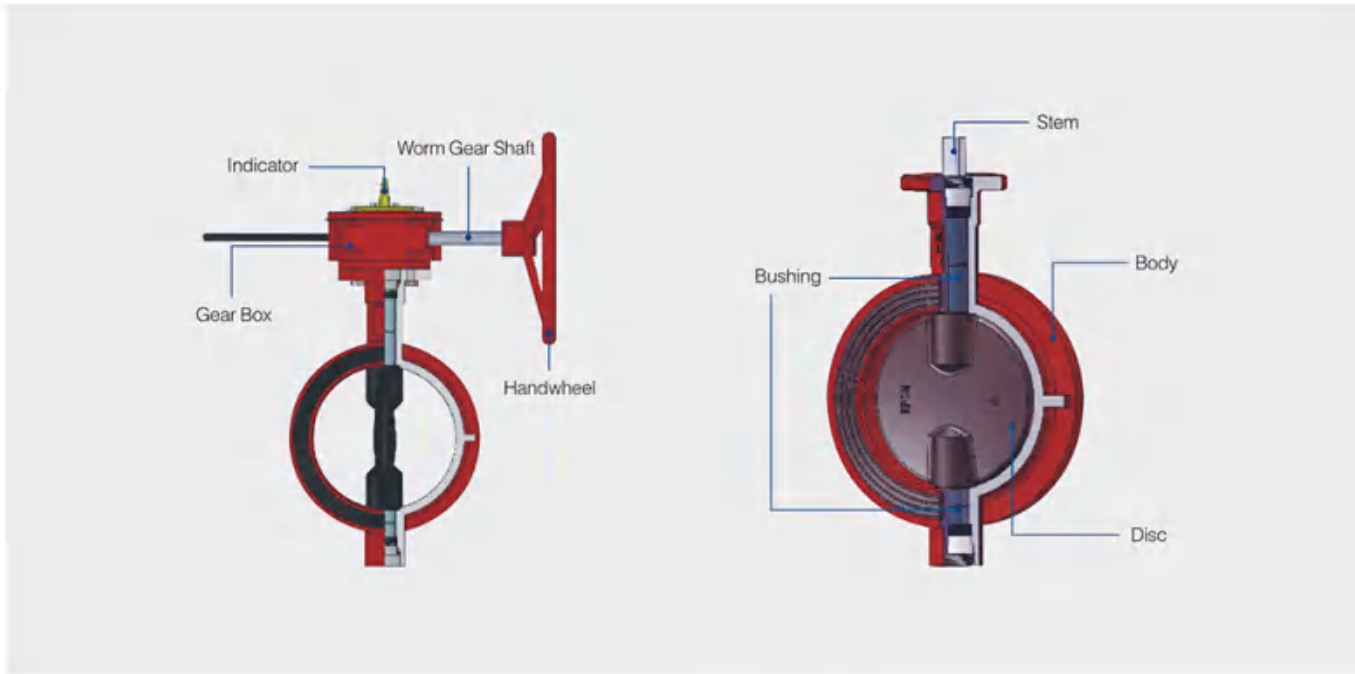
Dimensions

Size	A	B	C	D	H	K	J	P	M	N	d	L
2"	110	85	32	100	111	153	218	152	90	70	9	42
2 1/2"	125	95	32	112	111	153	218	152	90	70	9	44.2
3"	140	100	32	120	111	153	218	152	90	70	9	45.3
4"	160	100	32	161	111	153	218	152	90	70	9	52
5"	170	125	32	182	111	153	218	152	90	70	9	54.4
6"	190	140	32	216	111	153	218	200	90	70	9	55.8
8"	230	175	32	260	126	210	232	300	125	102	12	60.5
10"	260	200	45	320	126	210	232	300	125	102	12	66.5
12"	300	240	45	375	161	249	350	150	125	14	26	76.9

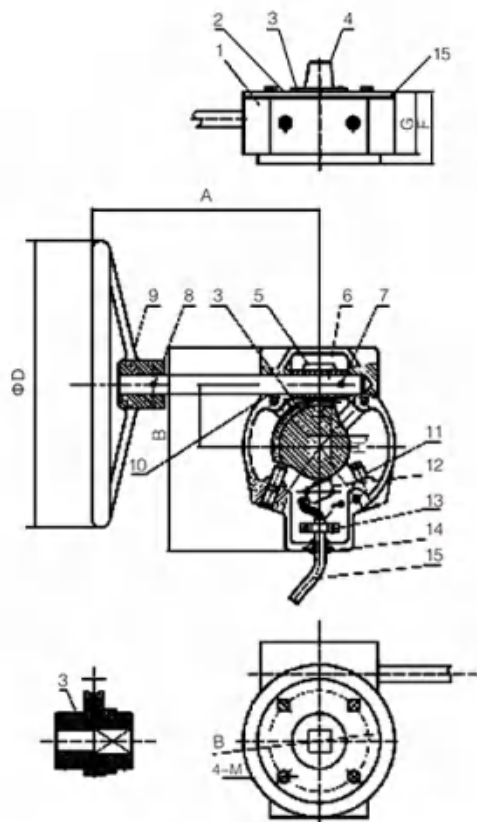


WD-371X/WD-371Y Butterfly Valve

3D Pictures



Gearbox Drawing



Gearbox Material List

No.	Description	Material
1	Gear Body	Ductile Iron
2	Gear Cover	Ductile Iron
3	Worm Wheel	Ductile Iron
4	Indicator	Ductile Iron
5	Worm	Steel
6	Handwheel Shaft	Steel
7	Pin	416 Stainless Steel
8	Pin	416 Stainless Steel
9	Handwheel	Ductile Iron
10	O-Ring	EPDM
11	Set Screw	Steel
12	Signal Switch	Switch Assembly
13	Clip	Nylon
14	Sealing Ring	EPDM
15	Wire	Wire
16	Gasket	EPDM

Dimensions

Gearbox	Valve	A	B	C	D	E	F	G	H	M
24:1	2"-2 1/2"	153	218	164	45	152	70	65	58	10 M8
24:1	3"	153	218	164	45	152	70	65	58	11 M8
24:1	4"-5"	153	218	164	45	152	70	65	58	14 M8
24:1	6"	153	218	164	45	200	70	65	58	16 M8
30:1	8"	210	232	205	63	300	102	79	67	19 M10
30:1	10"	210	232	205	63	300	102	79	67	22 M10
80:1	12"	249	284	120	350	125	118	110	24	M12

GD-381X/GD-381Y Butterfly Valve

Butterfly Valve c/w Signal Gearbox-Grooved End

Technical Features

- Conforms: ANSI/AWWA C606 or Metric Standard Clear Waterway design
- Connection: Grooved End
- Sizes: 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF/ANSI 61 & NSF/ANSI 372
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UI1091 & ULC/ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C/176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available

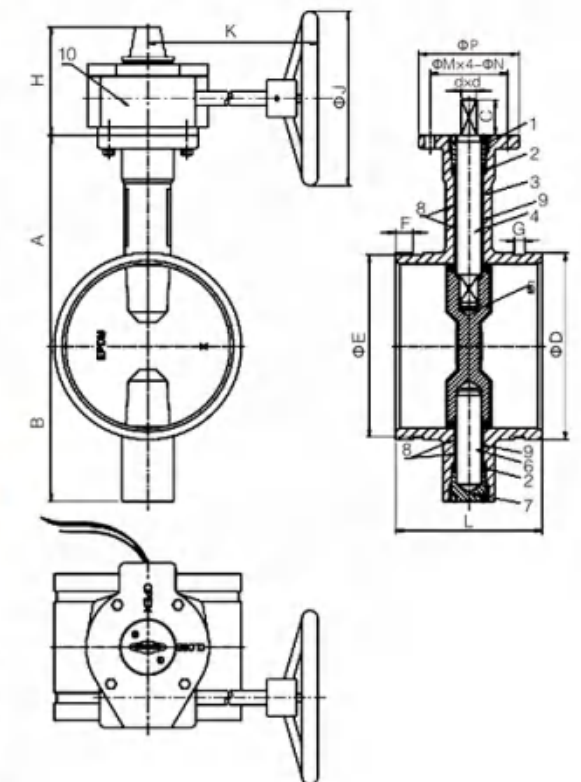


Valve Material List

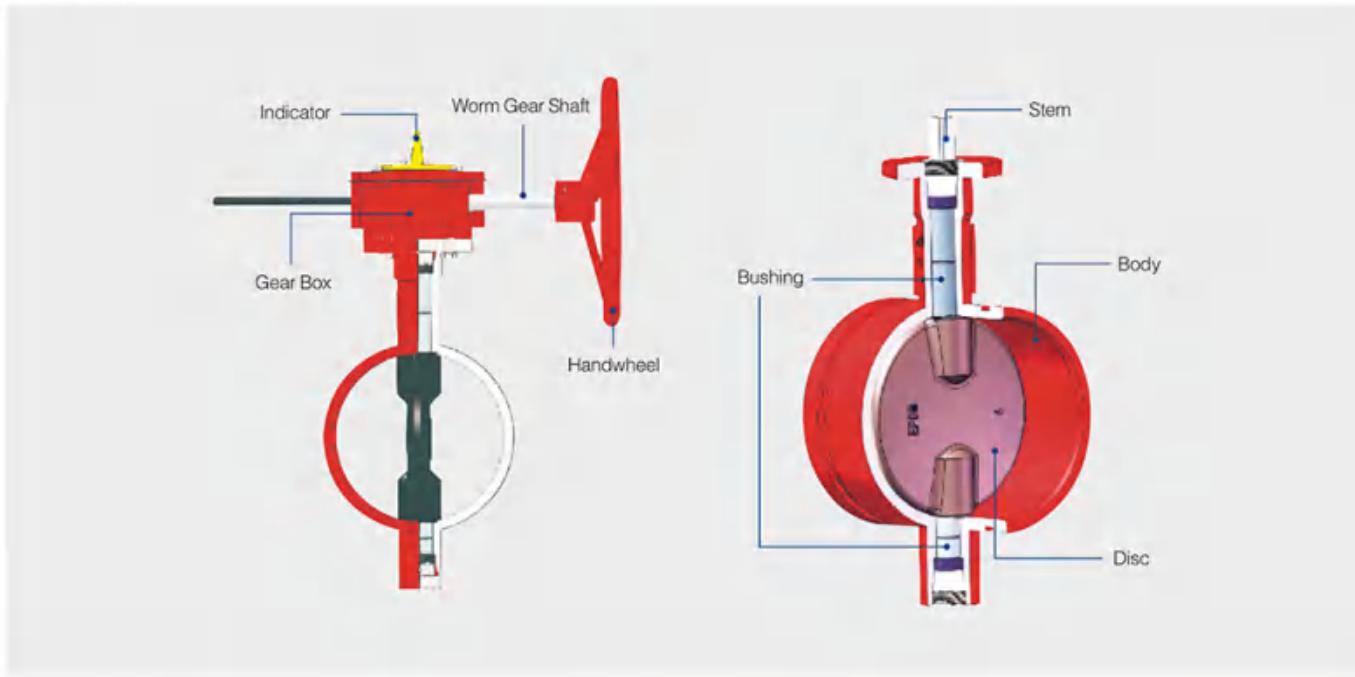
No.	Description	Material
1	Upper Shaft Sealing Nut	WCB
2	Shaft Seal	EPDM
3	Body	Ductile Iron
4	Upper Shaft	416 Stainless Steel
5	Disc+Rubber Seat	Ductile Iron+EPDM
6	Lower Shaft	416 Stainless Steel
7	Lower Shaft Sealing Nut	WCB
8	Stem Bushing	PTFE/C95400
9	O-Ring	EPDM
10	Gearbox	

Dimensions

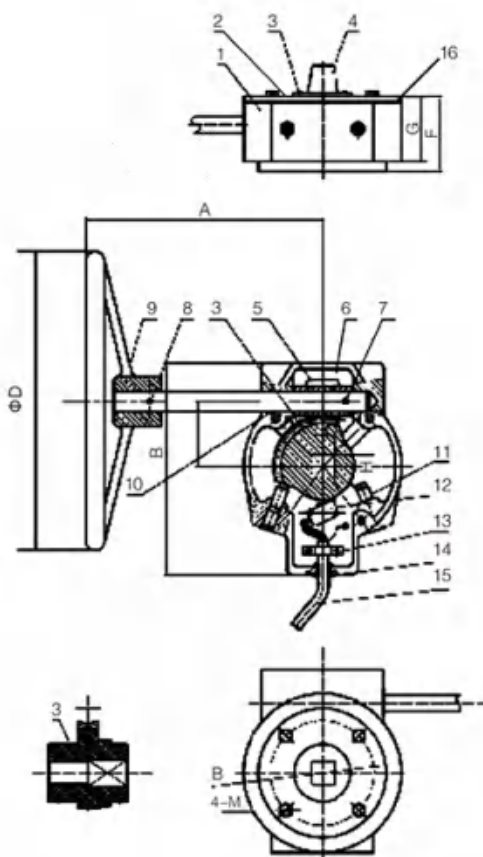
Size	A	B	C	D	E	F	G	H	K	J	P	M	N	d	L
2"	110	85	32	60.3	57.15	15.9	7.9	111	153	218	152	90	70	9	10 81/88
2 1/2"	125	95	32	73	69.1	15.9	7.9	111	153	218	152	90	70	9	10 96.4
3"	140	100	32	88.9	84.9	15.9	7.9	111	153	218	152	90	70	9	11 97
4"	160	100	32	114.3	110.1	15.9	9.5	111	153	218	152	90	70	9	14 115.1
5"	170	125	32	139.7	135.5	15.9	9.5	111	153	218	152	90	70	9	14 132.4
6"	190	140	32	165.1	160.9	15.9	9.5	111	153	218	200	90	70	9	16 132.4
8"	230	175	32	219.1	214.4	19	11.1	126	210	232	300	125	102	12	19 133
10"	260	200	45	267.4	262.6	19	12.7	126	210	232	300	125	102	12	24 159
12"	300	240	45	318.5	312.9	19	12.7	161	249	350	150	125	14	26	165



3D Pictures



Gearbox Drawing



Gearbox Material List

No.	Description	Material
1	Gear Body	Ductile Iron
2	Gear Cover	Ductile Iron
3	Worm Wheel	Ductile Iron
4	Indicator	Ductile Iron
5	Worm	Steel
6	Handwheel Shaft	Steel
7	Pin	416 Stainless Steel
8	Pin	416 Stainless Steel
9	Handwheel	Ductile Iron
10	O-Ring	EPDM
11	Set Screw	Steel
12	Signal Switch	Switch Assembly
13	Clip	Nylon
14	Sealing Ring	EPDM
15	Wire	Wire
16	Gasket	EPDM

Dimensions

Gearbox	Valve	A	B	C	D	E	F	G	H	M
24:1	2"-2 1/2"	153	218	164	45	152	70	65	58	10 M8
24:1	3"	153	218	164	45	152	70	65	58	11 M8
24:1	4"-5"	153	218	164	45	152	70	65	58	14 M8
24:1	6"	153	218	164	45	200	70	65	58	16 M8
30:1	8"	210	232	205	63	300	102	79	67	19 M10
30:1	10"	210	232	205	63	300	102	79	67	22 M10
80:1	12"	249	284	120	350	125	118	110	24	M12

HGD-381X-175/HFGD-381X-175/HGD-381X/HFGD-381X Butterfly Valve

Fire Fighting Valve

Butterfly Valve c/w Signal Gearbox - Grooved End & Grooved * Flanged End

Technical Features

- Conforms: ANSI/AWWA C606 or Metric Standard Clear Waterway design
- Connections: Grooved End / Grooved Flanged End / Flanged * Grooved End
- Sizes: 2 1/2", 3", 4", 6", 8", 10"
- Approvals: UL, CUL, FM, NSF/ANSI 61 & NSF/ANSI 372
- Maximum Working Pressure: 175 PSI / 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL 1091 & ULC / ORD-C1091& Fm1112
- Maximum Working Temperature: 80°C / 176° F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available

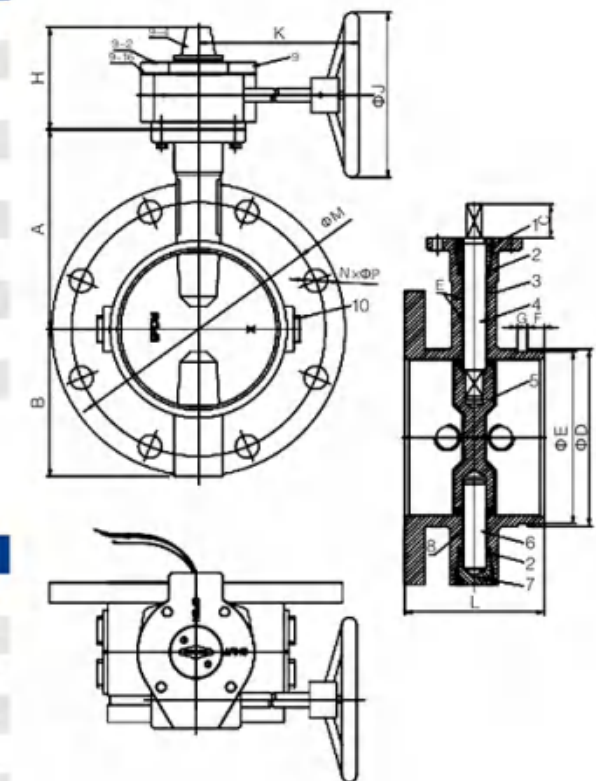


Valve Material List

No.	Description	Material
1	Upper Shaft Sealing Nut	WCB
2	Shaft Seal	EPDM
3	Body	Ductile Iron
4	Upper Shaft	416 Stainless Steel
5	Disc+Rubber Seat	Ductile Iron+EPDM
6	Lower Shaft	416 Stainless Steel
7	Lower Shaft Sealing Nut	WCB
8	Stem Bushing	PTFE/C95400
9	Signal Gearbox	
10	Plug	C95400

Dimensions

Size	A	B	C	D	E	F	G	H	K	J	L	M	N	P
2 1/2"	125	95	32	73 76.1	69.1 72.3	15.9	7.9	111	153	152	152.4	139.7	4	19
3"	140	100	32	88.9	84.9	15.9	7.9	111	153	152	158.8	152.5	4	19
4"	160	100	32	114.3	110.1	15.9	9.5	111	153	152	168.4	190.5	8	19
6"	190	140	32	165.1 168.3	160.9 164	15.9	9.5	111	153	200	177.8	241.3	8	22
8"	230	175	32	219.1 216.3	214.4 211.6	19	11.1	126	230	290	203	298.5	8	22
10"	260	200	45	267.4 273	262.6 268.3	19	12.7	126	230	290	203	362	12	25.4



WD-371G/WD-371L Butterfly Valve

Butterfly Valve with Gearbox/Lever - Wafer End

Technical Features

- Flange Standard: ANSI 125 / 150, DIN 2501 PN10 / 16
- Connection: Wafer End
- Sizes: 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL1091 & ULC / ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C / 176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF/ANSI 61 & NSF / ANSI 372 is available

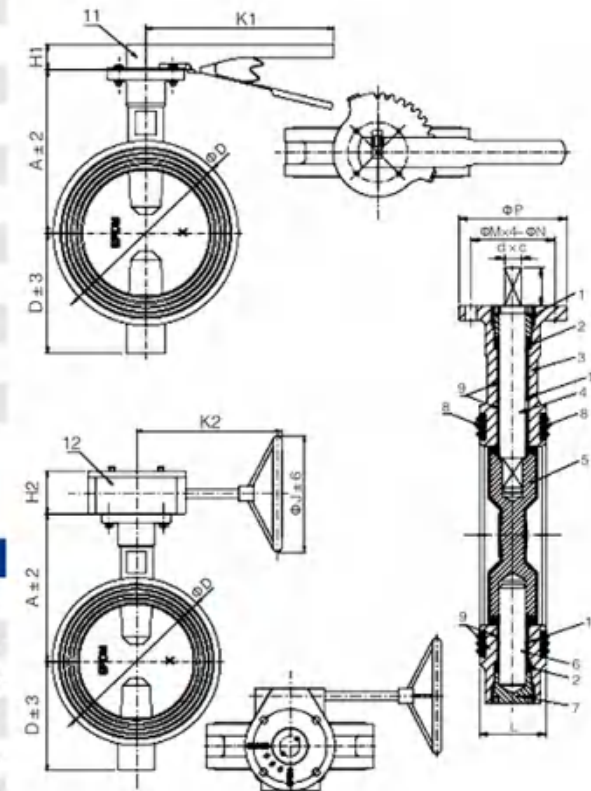


Valve Material List

No.	Description	Material
1	Upper Shaft Sealing Nut	WCB
2	Shaft Seal	EPDM
3	Body	Ductile Iron
4	Upper Shaft	416 Stainless Steel
5	Disc+Rubber Seat	Ductile Iron+EPDM
6	Lower Shaft	416 Stainless Steel
7	Lower Shaft Sealing Nut	WCB
8	End Face Seal	EPDM
9	Stem Bushing	PTFE/C95400
10	O-Ring	EPDM
11	Lever	
12	Gearbox	

Dimensions

Size	A	B	C	D	H1	H2	K1	K2	J	P	M	N	d	L
2"	110	85	32	100	32	65	267	151	152	90	70	9	10	42
2 1/2"	125	95	32	112	32	65	267	151	152	90	70	9	10	44.2
3"	140	100	32	120	32	65	267	151	152	90	70	9	11	45.3
4"	160	100	32	161	32	65	267	151	152	90	70	9	14	52
5"	170	125	32	182	32	65	267	151	152	90	70	9	14	54.4
6"	190	140	32	216	32	65	267	146	200	90	70	9	16	55.8
8"	230	175	32	260	37	77	267	233	290	125	102	12	19	60.5
10"	260	200	45	320	/	77	/	233	290	125	102	12	22	66.5
12"	300	240	45	375	/	77	/	226	290	150	125	14	26	76.9



GD-381G Butterfly Valve

Butterfly Valve with Gearbox - Grooved End

Technical Features

- Conforms: ANSI/AWWA C606 or Metric Standard Clear Waterway design
- Connection: Grooved End
- Sizes: 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL1091 & ULC/ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C / 176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF/ANSI 61 & NSF / ANSI 372 is available

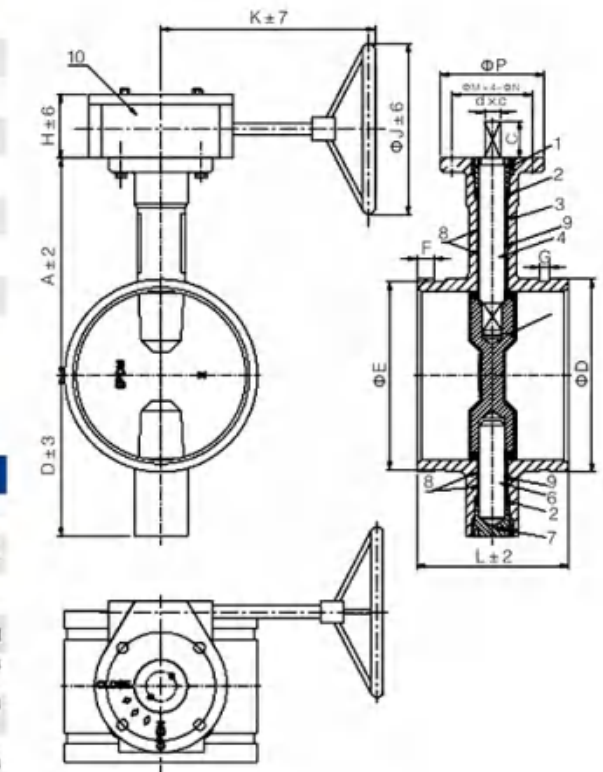


Valve Material List

No.	Description	Material
1	Upper Shaft Sealing Nut	WCB
2	Shaft Seal	EPDM
3	Body	Ductile Iron
4	Upper Shaft	416 Stainless Steel
5	Disc+Rubber Seat	Ductile Iron+EPDM
6	Lower Shaft	416 Stainless Steel
7	Lower Shaft Sealing Nut	WCB
8	Stem Bushing	PTFE/C95400
9	O-Ring	EPDM
10	Gearbox	

Dimensions

Size	A	B	C	D	E	F	G	H	K	J	P	M	N	d	L
2"	110	85	32	60.3	57.15	15.9	7.9	65	151	152	90	70	9	10	81.88
2 1/2"	125	95	32	73	69.1	15.9	7.9	65	151	152	90	70	9	10	96.4
3"	140	100	32	88.9	84.9	15.9	7.9	65	151	152	90	70	9	11	97
4"	160	100	32	114.3	110.1	15.9	9.5	65	151	152	90	70	9	14	115.1
5"	170	125	32	139.7	135.5	15.9	9.5	65	151	152	90	70	9	14	132.4
6"	190	140	32	165.1	160.9	15.9	9.5	65	146	200	90	70	9	16	148
8"	230	175	32	219.1	214.4	19	11.1	77	233	290	125	102	12	19	133
10"	260	200	45	267.4	262.6	19	12.7	77	233	290	125	102	12	22	159
12"	300	240	45	318.5	312.9	19	12.7	77	226	290	150	125	14	26	165



Fire Fighting Valve

Technical Features

- Conforms: ANSI / AWWA C606 or Metric Standard Clear Waterway design
- Connection: Grooved End
- Sizes: 2", 2 1/2", 3", 4", 5", 6", 8"
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL1091 & ULC / ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C / 176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available

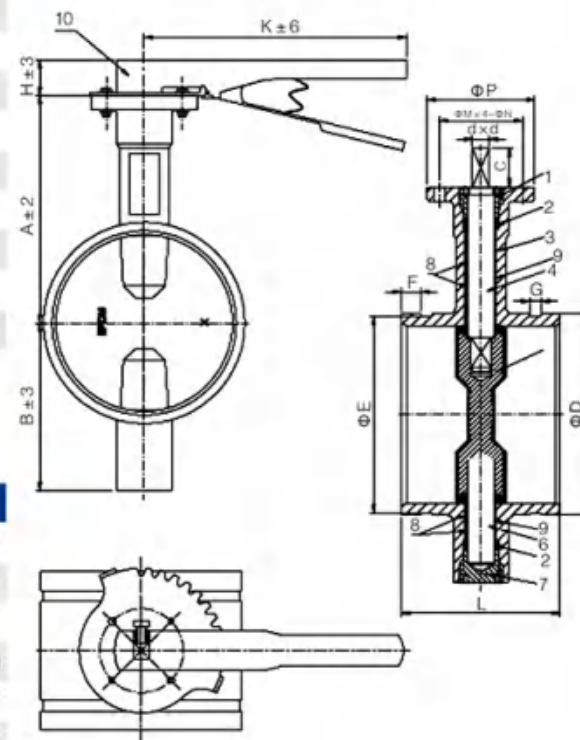


Valve Material List

No.	Description	Material
1	Upper Shaft Sealing Nut	WCB
2	Shaft Seal	EPDM
3	Body	Ductile Iron
4	Upper Shaft	416 Stainless Steel
5	Disc+Rubber Seat	Ductile Iron+EPDM
6	Lower Shaft	416 Stainless Steel
7	Lower Shaft Sealing Nut	WCB
8	Stem Bushing	PTFE/C95400
9	O-Ring	EPDM
10	Lever	Malleable Iron

Dimensions

Size	A	B	C	D	E	F	G	H	K	P	M	N	d	L
2"	110	85	32	60.3	57.2	15.9	7.9	32	267	90	70	9	10	81.88
2 1/2"	125	95	32	73	69.1	15.9	7.9	32	267	90	70	9	10	96.4
3"	140	100	32	88.9	84.9	15.9	7.9	32	267	90	70	9	11	97
4"	160	100	32	114.3	110.1	15.9	9.5	32	267	90	70	9	14	115.1
5"	170	125	32	139.7	135.5	15.9	9.5	32	267	90	70	9	14	132.4
6"	190	140	32	165.1	160.9	15.9	9.5	32	267	90	70	9	16	132.4
8"	230	175	37	216.3	211.6	19	11.1	37	353	125	102	12	19	147.4
				219.1	214.4									133



NINGJIN APC INDUSTRIES CO.,LTD. offers a complete package of resilient wedgegate valve with excellent Ductile Iron structure and stable sealing capability and popular end connection options

APC Resilient Wedge Gate Valve Features

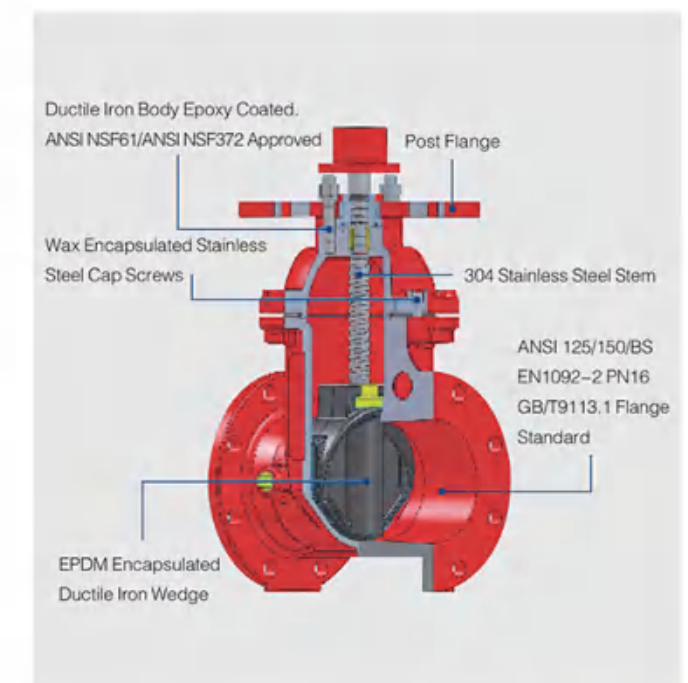
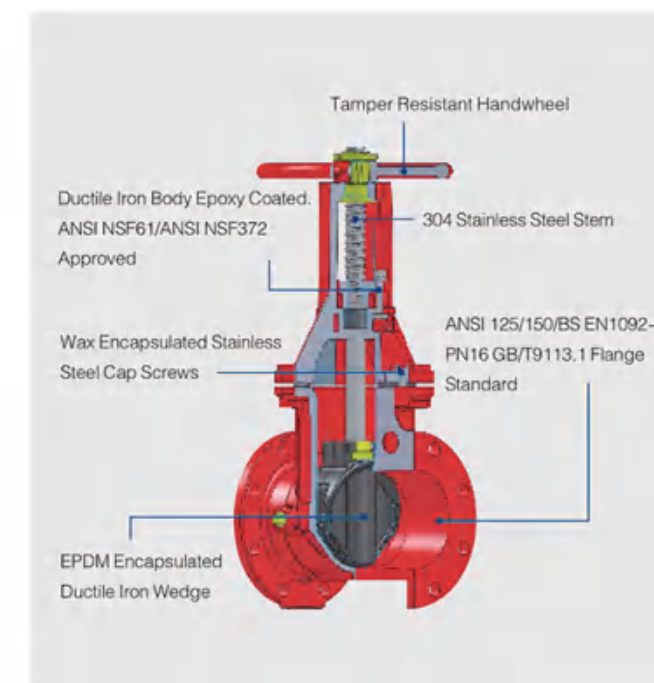
- Conforms: ANSI/AWWA C515
- Approvals: UL, CUL, FM, NSF/ANSI 61 & NSF/ANSI 372 Certified lead-free
- Maximum Working Temperature: 80°C / 176°F
- Coating: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request

Application

- Outdoor and Indoor Fire inflow water, water supply and drainage, potable water, high-rising building fire fighting system, industrial factory building fire protection system.
- All OS & Y gate valves have tamper resistant handwheel nuts as well as pre-grooved stems enabling seamless tamper switch installation.
- All NRS gate valves are available with operated nut installed with vertical indicator post and wall type indicator.

A full range UL/FM Gate Valves to meet customers' different requirements

- UL/FM OS&Y Gate valve (200psi & 300psi)
- Flange x Flange
- Flange x Groove
- Groove x Groove
- UL/FM NRS Gate valve (200psi & 300psi)
- Flange x Flange
- Flange x Groove
- Groove x Groove
- MJ x MJ
- MJ x Flange



UL/FM OS&Y Gate Valves

 Z41 Flange ANSI, BS, DIN, GB 2"/DN50-16"/DN400 14Bar/200psi UL/FM/NSF61/NSF372	 Z481 Flange x Groove ANSI, BS, DIN, GB 2"/DN50-16"/DN300 14Bar/200psi UL/FM/NSF61/NSF372	 Z81 Groove ANSI, BS, DIN, GB 2"/DN50-12"/DN300 14Bar/200psi UL/FM/NSF61/NSF372
 Z41-300 Flange ANSI, BS, DIN, GB 2 1/2"/DN65-12"/DN300 31Bar/300psi UL/FM/NSF61/NSF372	 Z41-300A Flange ANSI, BS, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372	 Z81-300 Groove ANSI, BS, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372
 Z81-300A Groove ANSI, BS, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372	 Z481-300 Flange x Groove ANSI, BS, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372	 Z481-300A Flange x Groove ANSI, BS, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372

UL/FM Non Rising Stem Gate Valves

 Z45 Flange ANSI, BS, DIN, GB 2"/DN50-12"/DN300 14Bar/200psi UL/FM/NSF61/NSF372	 Z485 Flange x Groove ANSI, BS, DIN, GB 2"/DN50-12"/DN300 14Bar/200psi UL/FM/NSF61/NSF372	 Z85 Groove ANSI, BS, DIN, GB 2"/DN50-12"/DN300 14Bar/200psi UL/FM/NSF61/NSF372
 Z45-300 Flange ANSI, DIN, GB 2 1/2"/DN65-12"/DN300 31Bar/300psi UL/FM/NSF61/NSF372	 Z45-300A Flange ANSI, DIN, GB 2"/DN50-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372	 Z85-300 Groove ANSI, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372
 Z85-300A Groove ANSI, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372	 Z485-300 Flange x Groove ANSI, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372	 Z485-300A Flange x Groove ANSI, DIN, GB 2 1/2"/DN65-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372
 Z45-300FJA Flange x MJ ANSI, DIN, GB 2"/DN50-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372	 Z45-300MJA MJ x MJ ANSI, DIN, GB 2"/DN50-12"/DN300 21Bar/300psi UL/FM/NSF61/NSF372	

Z41-300 Gate Valve

Resilient Wedge OS & Y Gate Valve - Flanged End

Technical Features

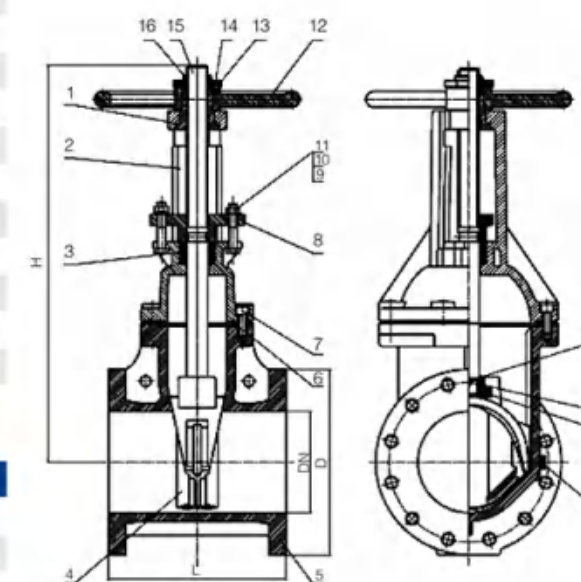
- Nominal Pressure: 300PSI
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME/ANSI B16.42 Class 150 or BS EN 1092-2 PN16 or GB/T9113.1
- Sizes: 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard: ASME B16.10
- Approvals: UL, CUL, FM, NSF/ANSI 61 & NSF / ANSI 372, CCC
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL 262, ULC/ORD C 262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Gasket	C95400
2	Bonnet	Ductile Iron
3	Packing	Graphite
4	Disc	Ductile Iron +EPDM
5	Body	Ductile Iron
6	Sealing Ring	EPDM
7	Bolt	Steel 1045
8	Gland	Ductile Iron
9	Nut	Steel 1045
10	Flat Washer	Steel 1045
11	Bolt	Steel 1045
12	Handwheel	Ductile Iron
13	Lock Nut	C95400
14	Locating Screw	Stainless Steel 304
15	Stem	Stainless Steel 304
16	Stem Nut	C95400
17	Plug	C95400
18	Lifting Nut	CF8
19	Pin	Stainless Steel 304
20	Sealing Ring	EPDM

Dimensions

Size	DN	L	D	H
2 1/2"	65	190	178	370
3"	80	203	191	420
4"	100	229	229	447
5"	125	254	254	547
6"	150	267	279	607
8"	200	292	343	754
10"	250	330	406	890
12"	300	356	483	1031



Resilient Wedge OS & Y Gate Valve - Grooved End

Technical Features

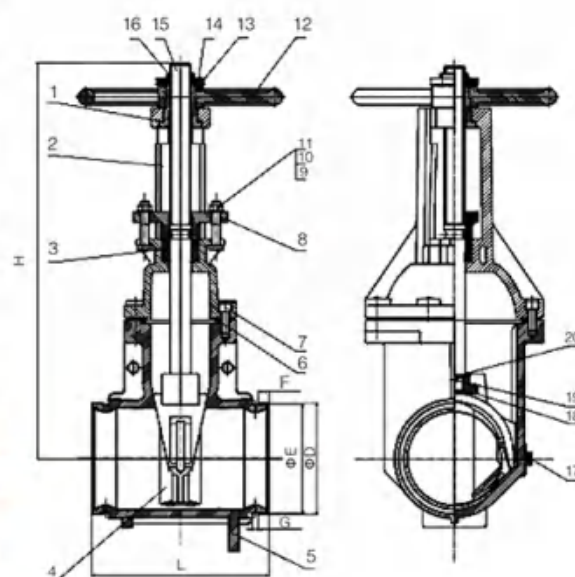
- Nominal Pressure: 300PSI
- Groove standard: Metric or ANSI/AWWA C606
- Face to Face Standard: ASME B16.10
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF/ANSI 61 & NSF/ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL 262, ULC/ORD C 262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available

Valve Material List

No.	Description	Material
1	Gasket	Stainless Steel 304 or C95400
2	Bonnet	Ductile Iron
3	Packing	Graphite
4	Disc	Ductile Iron +EPDM
5	Body	Ductile Iron
6	Sealing Ring	EPDM
7	Bolt	Stainless Steel 304 or Steel 1045
8	Gland	Ductile Iron
9	Nut	Stainless Steel 304 or Steel 1045
10	Flat Washer	Stainless Steel 304 or Steel 1045
11	Bolt	Stainless Steel 304 or Steel 1045
12	Handwheel	Ductile Iron
13	Lock Nut	C95400
14	Locating Screw	Stainless Steel 304 or Steel 1045
15	Stem	Stainless Steel 304 or C95400
16	Stem Nut	C95400
17	Plug	C95400
18	Lifting Nut	CF8/CF8M or C95400
19	Pin	Stainless Steel 304
20	Sealing Ring	EPDM

Dimensions

Size	DN	L	F	D	E	G	H
2½"	65	190	15.9	73 76.1	69.1 72.3	7.9	370
3"	80	203	15.9	88.9	84.9	7.9	420
4"	100	229	15.9	114.3	110.1	9.5	447
5"	125	254	15.9	139.7 141.3	135.5 137	9.5	547
6"	150	267	15.9	165.1 168.3	160.8 163.9	9.5	607
8"	200	292	19	216.3 219.1	211.6 214.3	11.1	754
10"	250	330	19	273	268.3	12.7	890
12"	300	356	19	323.9	318.3	12.7	1031



Resilient Wedge OS & Y Gate Valve - Flanged×Grooved End

Technical Features

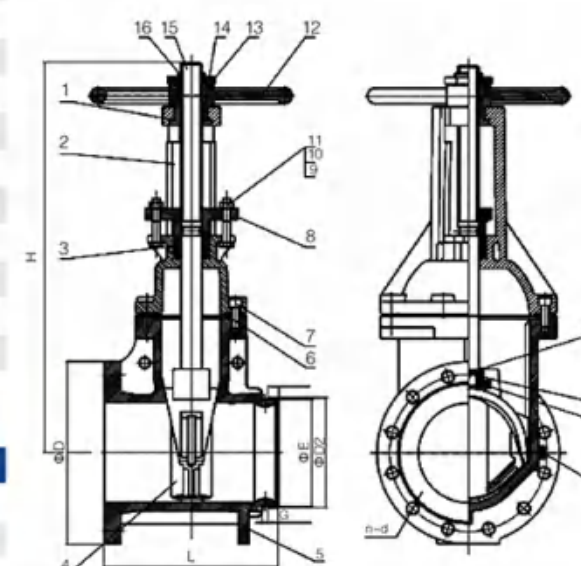
- Nominal Pressure: 300PSI
- Face to Face Standard: ASME B16.10
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Flange Standard: ASME/ANSI B16.1 Class 125 or ASME/ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Groove Standard: Metric or ANSI / AWWA C606
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF/ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Gasket	Stainless Steel 304 or C95400
2	Bonnet	Ductile Iron
3	Packing	Graphite
4	Disc	Ductile Iron +EPDM
5	Body	Ductile Iron
6	Sealing Ring	EPDM
7	Bolt	Stainless Steel 304 or Steel 1045
8	Gland	Ductile Iron
9	Nut	Stainless Steel 304 or Steel 1045
10	Flat Washer	Stainless Steel 304 or Steel 1045
11	Bolt	Stainless Steel 304 or Steel 1045
12	Handwheel	Ductile Iron
13	Lock Nut	C95400
14	Locating Screw	Stainless Steel 304 or Steel 1045
15	Stem	Stainless Steel 304 or C95400
16	Stem Nut	C95400
17	Plug	C95400
18	Lifting Nut	CF8 or C95400
19	Pin	Stainless Steel 304
20	Sealing Ring	EPDM

Dimensions

Size	DN	L	D	F	D2	E	G	H
2½"	65	190	178	15.9	73 76.1	69.1 72.3	7.9	370
3"	80	203	191	15.9	88.9	84.9	7.9	420
4"	100	229	229	15.9	114.3	110.1	9.5	447
5"	125	254	254	15.9	139.7 141.3	135.5 137	9.5	547
6"	150	267	279	15.9	165.1 168.3	160.8 163.9	9.5	607
8"	200	292	343	19	216.3 219.1	211.6 214.3	11.1	754
10"	250	330	406	19	273	268.3	12.7	890
12"	300	356	483	19	323.9	318.3	12.7	1031



Z45-300 Gate Valve

Resilient Wedge NRS Gate Valve - Flanged End

Technical Features

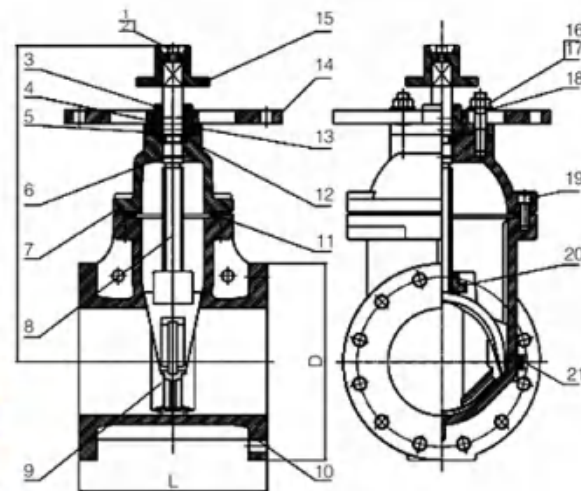
- Nominal Pressure: 300PSI
- Flange Standard: ASME/ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BSEN1092-2 PN16 or GB/T9113.1
- Sizes: 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard: ASME B16.10
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372, CCC
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Inner Hexagon Screw	Steel 1045 or Stainless Steel 304
3	Sealing Gland	EPDM
4	O-Ring	EPDM
5	Sealing Ring	EPDM
6	O-Ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Stainless Steel 304
9	Disc	Ductile Iron +EPDM
10	Body	Ductile Iron
11	Sealing Ring	EPDM
12	Retaining Ring	C95400
13	Gland	Ductile Iron
14	Terminal Pad	Ductile Iron
15	Link Block	Ductile Iron
16	Nut	Stainless Steel 304 or Steel 1045
17	Studs	Stainless Steel 304 or Steel 1045
18	Washer	Steel 1045
19	Inner Hexagon Screw	Steel 1045
20	Master Screw	C95400
21	Plug	C95400

Dimensions

Size	DN	L	D	H
2 1/2"	65	190	178	292
3"	80	203	191	322
4"	100	229	229	342
5"	125	254	254	412
6"	150	267	279	448
8"	200	292	343	534
10"	250	330	406	635
12"	300	356	483	720



Z85-300 Gate Valve

Resilient Wedge NRS Gate Valve - Grooved End

Technical Features

- Nominal Pressure: 300PSI
- Groove standard: Metric or ANSI/AWWA C606
- Face to Face Standard: ASME B16.10
- Sizes: 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120/1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

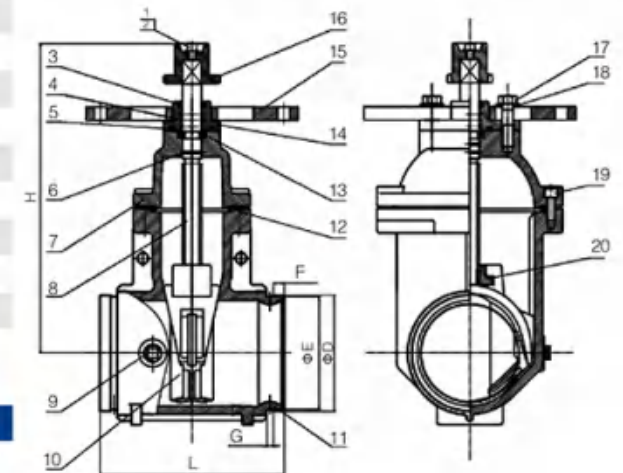
Valve Material List

No.	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
3	Sealing Ring	EPDM
4	O-Ring	EPDM
5	Sealing Ring	EPDM
6	O-Ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Stainless Steel 304 or C95400
9	Plug	Stainless Steel 304 or C95400
10	Disc	Ductile Iron +EPDM
11	Body	Ductile Iron
12	Sealing Ring	EPDM
13	Retaining Ring	C95400
14	Gland	Ductile Iron
15	Post Flange	Ductile Iron
16	Wrench Nut	Ductile Iron
17	Bolt	Stainless Steel 304 or Steel 1045
18	Washer	Stainless Steel 304 or Steel 1045
19	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
20	Stem Nut	CF8 or C95400

Dimensions

Size	DN	L	F	D	E	G	H
2 1/2"	65	190	15.9	73 76.1	69.1 72.3	7.9	292
3"	80	203	15.9	88.9	84.9	7.9	322
4"	100	229	15.9	114.3	110.1	9.5	342
5"	125	254	15.9	139.7 141.3	135.5 137	9.5	412
6"	150	267	15.9	165.1 168.3	160.8 163.9	9.5	448
8"	200	292	19	216.3 219.1	211.6 214.3	11.1	534
10"	250	330	19	273	268.3	12.7	635
12"	300	356	19	323.9	318.3	12.7	720

Fire Fighting Valve



Z485-300 Gate Valve

Resilient Wedge NRS Gate Valve - Grooved×Flanged End

Technical Features

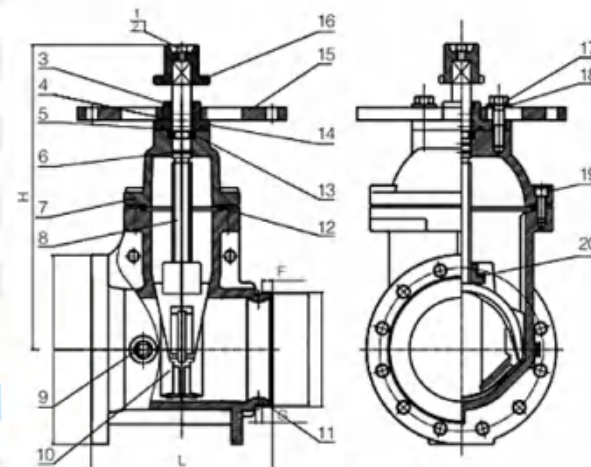
- Nominal Pressure: 300PSI
- Face to Face Standard: ASME B16.10
- Sizes: 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Groove Standard: Metric or ANSI/AWWA C606
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC / ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
3	Sealing Ring	EPDM
4	O-Ring	EPDM
5	Sealing Ring	EPDM
6	O-Ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Stainless Steel 304 or C95400
9	Plug	Stainless Steel 304 or C95400
10	Disc	Ductile Iron +EPDM
11	Body	Ductile Iron
12	Sealing Ring	EPDM
13	Retaining Ring	C95400
14	Gland	Ductile Iron
15	Post Flange	Ductile Iron
16	Wrench Nut	Ductile Iron
17	Bolt	Stainless Steel 304 or Steel 1045
18	Washer	Stainless Steel 304 or Steel 1045
19	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
20	Stem Nut	CF8 or C95400

Dimensions

Size	DN	L	D	F	D2	E	G	H
2 1/2"	65	190	178	15.9	73 76.1	69.1 72.3	7.9	292
3"	80	203	191	15.9	88.9	84.9	7.9	322
4"	100	229	229	15.9	114.3	110.1	9.5	342
5"	125	254	254	15.9	139.7 141.3	135.5 137	9.5	412
6"	150	267	279	15.9	165.1 168.3	160.8 163.9	9.5	448
8"	200	292	343	19	216.3 219.1	211.6 214.3	11.1	534
10"	250	330	406	19	273	268.3	12.7	635
12"	300	356	483	19	323.9	318.3	12.7	720



Z41-300A Gate Valve

Resilient Wedge OS & Y Gate Valve - Flanged End

Technical Features

- Nominal Pressure: 300PSI
- Conforms: ANSI/AWWA C515 Standard
- Face to Face Standard: ASME B16.10
- Sizes: 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Flange Standard: ASME/ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available

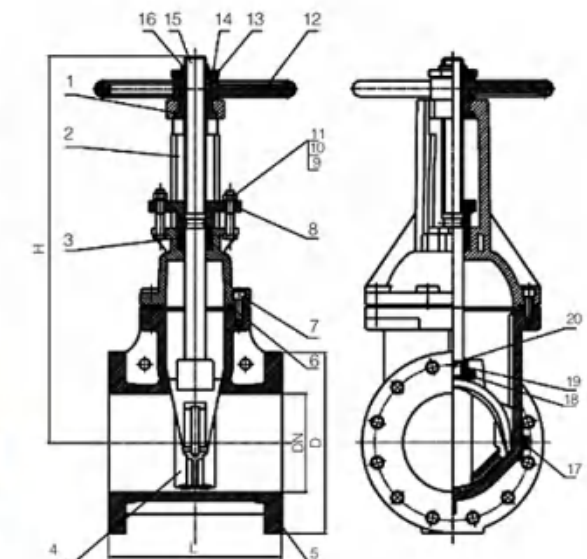
Valve Material List

No.	Description	Material
1	Gasket	Stainless Steel 304 or C95400
2	Bonnet	Ductile Iron
3	Packing	Graphite
4	Disc	Ductile Iron +EPDM
5	Body	Ductile Iron
6	Sealing Ring	EPDM
7	Bolt	Stainless Steel 304 or Steel 1045
8	Gland	Ductile Iron
9	Nut	Stainless Steel 304 or Steel 1045
10	Flat Washer	Stainless Steel 304 or Steel 1045
11	Bolt	Stainless Steel 304 or Steel 1045
12	Handwheel	Ductile Iron
13	Lock Nut	C95400
14	Locating Screw	Stainless Steel 304 or Steel 1045
15	Stem	Stainless Steel 304 or C95400
16	Stem Nut	C95400
17	Plug	C95400
18	Lifting Nut	CF8 or C95400
19	Pin	Stainless Steel 304
20	Sealing Ring	EPDM

Dimensions

Size	DN	L	D	H
2 1/2"	65	190	178	370
3"	80	203	191	420
4"	100	229	229	447
5"	125	254	254	547
6"	150	267	279	607
8"	200	292	343	754
10"	250	330	406	890
12"	300	356	483	1031

Fire Fighting Valve



Z81-300A Gate Valve

Resilient Wedge OS & Y Gate Valve - Grooved End

Technical Features

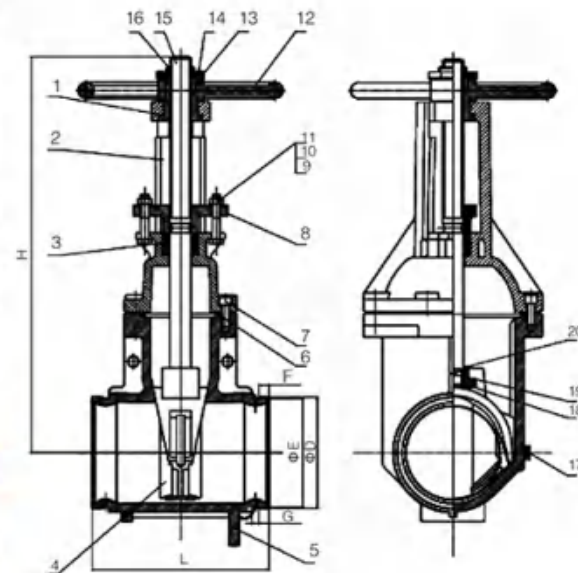
- Nominal Pressure: 300PSI
- Conforms: ANSI/AWWA C515 Standard
- Groove Standard: ANSI/AWWA C606 or Metric
- Face to Face Standard: ASME B16.10
- Sizes: 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120/1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF ANSI 372 is available

Valve Material List

No.	Description	Material
1	Gasket	Stainless Steel 304 or C95400
2	Bonnet	Ductile Iron
3	Packing	Graphite
4	Disc	Ductile Iron +EPDM
5	Body	Ductile Iron
6	Sealing Ring	EPDM
7	Bolt	Stainless Steel 304 or Steel 1045
8	Gland	Ductile Iron
9	Nut	Stainless Steel 304 or Steel 1045
10	Flat Washer	Stainless Steel 304 or Steel 1045
11	Bolt	Stainless Steel 304 or Steel 1045
12	Handwheel	Ductile Iron
13	Lock Nut	C95400
14	Locating Screw	Stainless Steel 304 or Steel 1045
15	Stem	Stainless Steel 304 or C95400
16	Stem Nut	C95400
17	Plug	C95400
18	Lifting Nut	CF8 or C95400
19	Pin	Stainless Steel 304
20	Sealing Ring	EPDM

Dimensions

Size	DN	L	F	D	E	G	H
2 1/2"	65	190	15.9	73 76.1	69.1 72.3	7.9	370
3"	80	203	15.9	88.9	84.9	7.9	420
4"	100	229	15.9	114.3	110.1	9.5	447
5"	125	254	15.9	139.7 141.3	135.5 137	9.5	547
6"	150	267	15.9	165.1 168.3	160.8 163.9	9.5	607
8"	200	292	19	216.3 219.1	211.6 214.3	11.1	754
10"	250	330	19	273	268.3	12.7	890
12"	300	356	19	323.9	318.3	12.7	1031



Z481-300A Gate Valve

Resilient Wedge OS & Y Gate Valve - Flanged x Grooved End

Technical Features

- Nominal Pressure: 300PSI
- Conforms: ANSI/AWWA C515 Standard
- Face to Face Standard: ASME B16.10
- Sizes: 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Flange Standard: ASME/ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Groove Standard: ANSI/AWWA C606 or Metric
- Approvals: FM, UL, CUL, NSF/ANSI 61 & NSF/ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120/1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

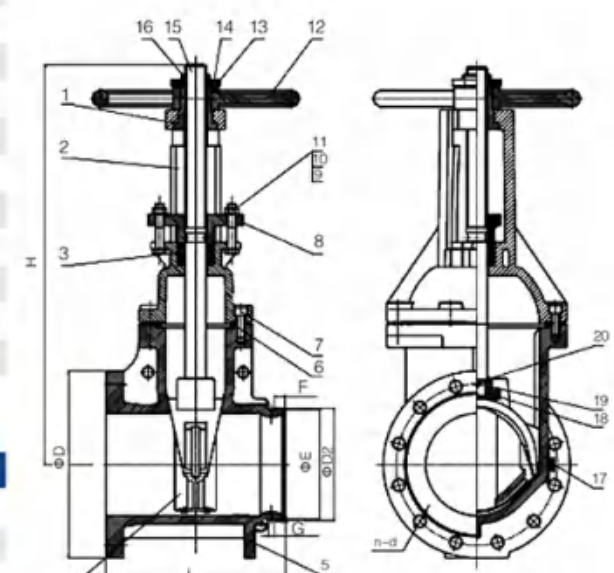
Valve Material List

No.	Description	Material
1	Gasket	Stainless Steel 304 or C95400
2	Bonnet	Ductile Iron
3	Packing	Graphite
4	Disc	Ductile Iron +EPDM
5	Body	Ductile Iron
6	Sealing Ring	EPDM
7	Bolt	Stainless Steel 304 or Steel 1045
8	Gland	Ductile Iron
9	Nut	Stainless Steel 304 or Steel 1045
10	Flat Washer	Stainless Steel 304 or Steel 1045
11	Bolt	Stainless Steel 304 or Steel 1045
12	Handwheel	Ductile Iron
13	Lock Nut	C95400
14	Locating Screw	Stainless Steel 304 or Steel 1045
15	Stem	Stainless Steel 304 or C95400
16	Stem Nut	C95400
17	Plug	C95400
18	Lifting Nut	CF8 or C95400
19	Pin	Stainless Steel 304
20	Sealing Ring	EPDM

Dimensions

Size	DN	L	D	F	D2	E	G	H
2 1/2"	65	190	178	15.9	73 76.1	69.1 72.3	7.9	370
3"	80	203	191	15.9	88.9	84.9	7.9	420
4"	100	229	229	15.9	114.3	110.1	9.5	447
5"	125	254	254	15.9	139.7 141.3	135.5 137	9.5	547
6"	150	267	279	15.9	165.1 168.3	160.8 163.9	9.5	607
8"	200	292	343	19	216.3 219.1	211.6 214.3	11.1	754
10"	250	330	406	19	273	268.3	12.7	890
12"	300	356	483	19	323.9	318.3	12.7	1031

Fire Fighting Valve



Z45-300A Gate Valve

Resilient Wedge NRS Gate Valve - Flanged End

Technical Features

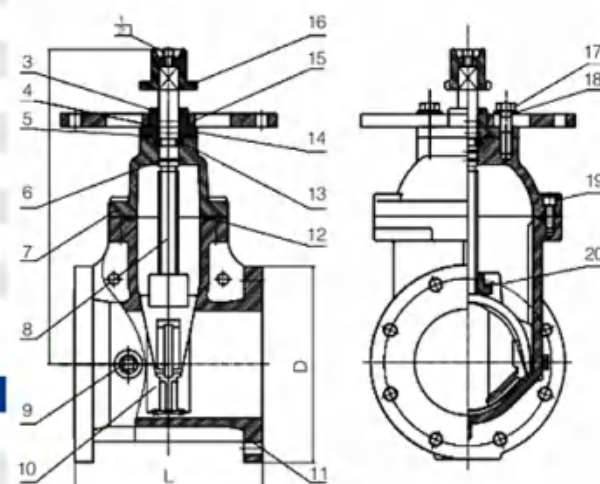
- Nominal Pressure: 300PSI
- Conforms: ANSI/AWWA C515 Standard
- Face to Face Standard: ASME B16.10
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- 2" FM only
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available
- With and Without Post Flange are available

Valve Material List

No.	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
3	Sealing Ring	EPDM
4	O-ring	EPDM
5	Sealing Ring	EPDM
6	O-ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Steel 1045 or Stainless Steel 304
9	Plug	Steel 1045 or Stainless Steel 304
10	Disc	Ductile Iron+EPDM
11	Body	Ductile Iron
12	Sealing Ring	EPDM
13	Retaining Ring	C95400
14	Gland	Ductile Iron
15	Post Flange	Ductile Iron
16	Wrench Nut	Ductile Iron
17	Bolt	Stainless Steel 304 or Steel 1045
18	Washer	Stainless Steel 304 or Steel 1045
19	Hexagon Socket Screw	Stainless Steel 304 or Steel 1045
20	Stem Nut	CF8 or C95400

Dimensions

Size	DN	L	D	H
2"	50	178	152	265
2½"	65	190	178	292
3"	80	203	191	322
4"	100	229	229	342
5"	125	254	254	412
6"	150	267	279	448
8"	200	292	343	534
10"	250	330	406	635
12"	300	356	483	720



Z85-300A Gate Valve

Resilient Wedge NRS Gate Valve - Grooved End

Technical Features

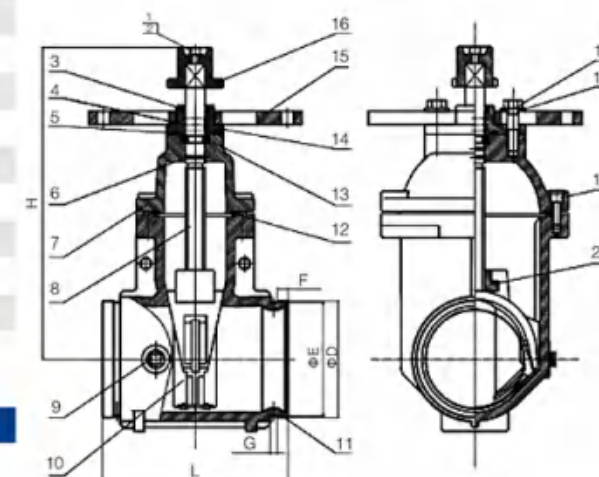
- Nominal Pressure: 300PSI
- Conforms: ANSI/AWWA C515 Standard
- Groove Standard: ANSI/AWWA C60 or Metric
- Face to Face Standard: ASME B16.10
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80° C / 176F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available
- With and Without Post Flange are available

Valve Material List

No.	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
3	Sealing Ring	EPDM
4	O-Ring	EPDM
5	Sealing Ring	EPDM
6	O-Ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Stainless Steel 304 or C95400
9	Plug	Stainless Steel 304 or C95400
10	Disc	Ductile Iron + EPDM
11	Body	Ductile Iron
12	Sealing Ring	EPDM
13	Retaining Ring	C95400
14	Gland	Ductile Iron
15	Post Flange	Ductile Iron
16	Wrench Nut	Ductile Iron
17	Bolt	Stainless Steel 304 or Steel 1045
18	Washer	Stainless Steel 304 or Steel 1045
19	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
20	Stem Nut	CF8 or C95400

Dimensions

Size	DN	L	F	D	E	G	H
2½"	65	190	15.9	73 76.1	69.1 72.3	7.9	292
3"	80	203	15.9	88.9	84.9	7.9	322
4"	100	229	15.9	114.3	110.1	9.5	342
5"	125	254	15.9	139.7 141.3	135.5 137	9.5	412
6"	150	267	15.9	165.1 168.3	160.8 163.9	9.5	448
8"	200	292	19	216.3 219.1	211.6 214.3	11.1	534
10"	250	330	19	273	268.3	12.7	635
12"	300	356	19	323.9	318.3	12.7	720



Fire Fighting Valve

Z485-300A Gate Valve

Resilient Wedge NRS Gate Valve - Grooved x Flanged End

Technical Features

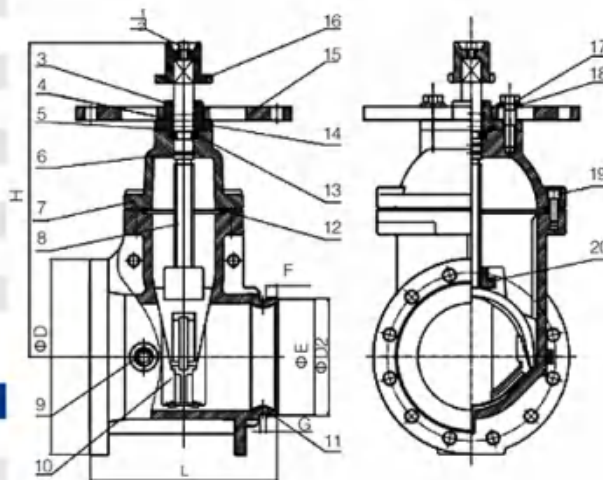
- Nominal Pressure: 300PSI
- Conforms: ANSI / AWWA C515 Standard
- Flange Standard: ASME/ANSI B16.1 Class 125 or ASME/ANSI B16.42 Class 150 or BS EN1092-2 PN1 or GB/T9113.1
- Groove Standard: ANSI/AWWA C606 or Metric
- Face to Face Standard: ASME B16.10
- Sizes: 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120/1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available
- With and Without Post Flange are available

Valve Material List

No.	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
3	Sealing Ring	EPDM
4	O-Ring	EPDM
5	Sealing Ring	EPDM
6	O-Ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Stainless Steel 304 or C95400
9	Plug	Stainless Steel 304 or C95400
10	Disc	Ductile Iron +EPDM
11	Body	Ductile Iron
12	Sealing Ring	EPDM
13	Retaining Ring	C95400
14	Gland	Ductile Iron
15	Post Flange	Ductile Iron
16	Wrench Nut	Ductile Iron
17	Bolt	Stainless Steel 304 or Steel 1045
18	Washer	Stainless Steel 304 or Steel 1045
19	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
20	Stem Nut	CF8 or C95400

Dimensions

Size	DN	L	D	F	D2	E	G	H
2 1/2"	65	190	178	15.9	73 76.1	69.1 72.3	7.9	292
3"	80	203	191	15.9	88.9	84.9	7.9	322
4"	100	229	229	15.9	114.3	110.1	9.5	342
5"	125	254	254	15.9	139.7 141.3	135.5 137	9.5	412
6"	150	267	279	15.9	165.1 168.3	160.8 163.9	9.5	448
8"	200	292	343	19	216.3 219.1	211.6 214.3	11.1	534
10"	250	330	406	19	273	268.3	12.7	635
12"	300	356	483	19	323.9	318.3	12.7	720



Z45-300FJA Gate Valve

Resilient Wedge NRS Gate Valve - Flanged x Mechanical Joint End

Technical Features

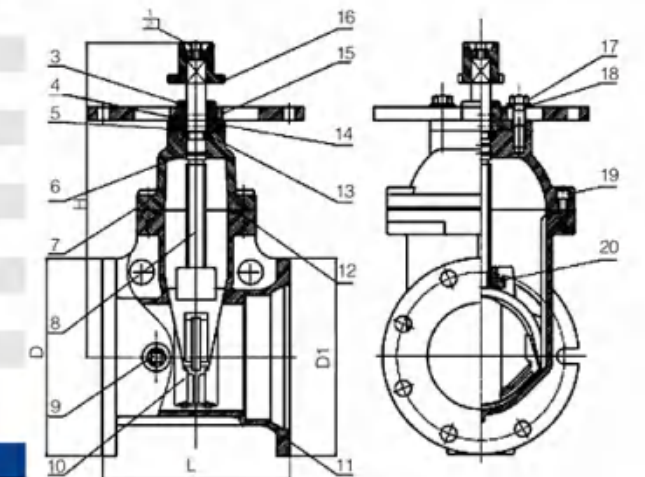
- Nominal Pressure: 300PSI
- Conforms: ANSI / AWWA C515 Standard
- Sizes: 2", 3", 4", 6", 8", 10", 12"
- 2" FM only
- Flange Standard: ASME/ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Mechanical Standard: ANSI/AWWA 110 or ANSI/AWWA C153
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC/ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80C /176F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 1 operating nut
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available
- With and Without Post Flange are available

Valve Material List

No.	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
3	Sealing Ring	EPDM
4	O-ring	EPDM
5	Sealing Ring	EPDM
6	O-ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Steel 1045 or Stainless Steel 304
9	Plug	Steel 1045 or Stainless Steel 304
10	Disc	Ductile Iron+EPDM
11	Body	Ductile Iron
12	Sealing Ring	EPDM
13	Retaining Ring	C95400
14	Gland	Ductile Iron
15	Post Flange	Ductile Iron
16	Wrench Nut	Ductile Iron
17	Bolt	Stainless Steel 304 or Steel 1045
18	Washer	Stainless Steel 304 or Steel 1045
19	Hexagon Socket Screw	Stainless Steel 304 or Steel 1045
20	Stem Nut	CF8 or C95400

Dimensions

Size	DN	L	D	D1	H
2"	50	178	152	152	265
3"	80	203	191	195	322
4"	100	229	229	232	342
6"	150	267	279	282	448
8"	200	292	343	340	534
10"	250	330	406	399	635
12"	300	356	483	456	720



Fire Fighting Valve

Resilient Wedge NRS Gate Valve - Grooved x Flanged End

Technical Features

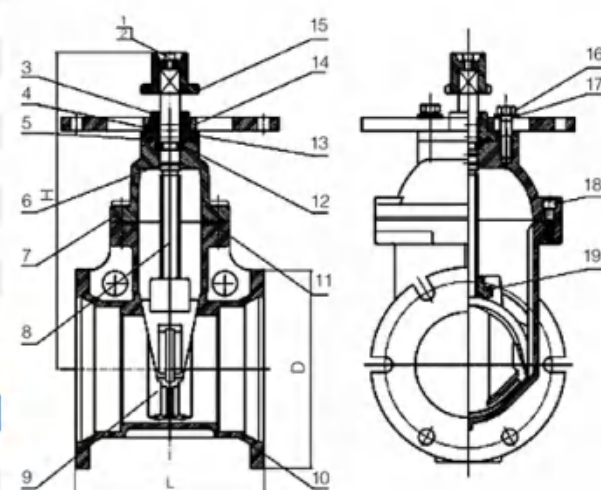
- Nominal Pressure: 300PSI
- Conforms: ANSI/AWWA C515 Standard
- Sizes: 2", 3", 4", 6", 8", 10", 12"
- 2" FM only
- Mechanical Standard: ANSI/AWWA 110 or ANSI/AWWA C153
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC / ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available
- With and Without Post Flange are available

Valve Material List

No.	Description	Material
1	Flat Washer	Steel 1045 or Stainless Steel 304
2	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
3	Sealing Ring	EPDM
4	O-Ring	EPDM
5	Sealing Ring	EPDM
6	O-Ring	EPDM
7	Bonnet	Ductile Iron
8	Stem	Stainless Steel 304 or C95400
9	Plug	Stainless Steel 304 or C95400
10	Disc	Ductile Iron +EPDM
11	Body	Ductile Iron
12	Sealing Ring	EPDM
13	Retaining Ring	C95400
14	Gland	Ductile Iron
15	Post Flange	Ductile Iron
16	Wrench Nut	Ductile Iron
17	Bolt	Stainless Steel 304 or Steel 1045
18	Washer	Stainless Steel 304 or Steel 1045
19	Hexagon Socket Screw	Steel 1045 or Stainless Steel 304
20	Stem Nut	CF8 or C95400

Dimensions

Size	DN	L	D	H
2"	50	178	152	265
3"	80	203	195	322
4"	100	229	232	342
6"	150	267	282	448
8"	200	292	340	534
10"	250	330	399	635
12"	300	356	456	720



Resilient Wedge OS & Y Gate Valve - Flanged End

Technical Features

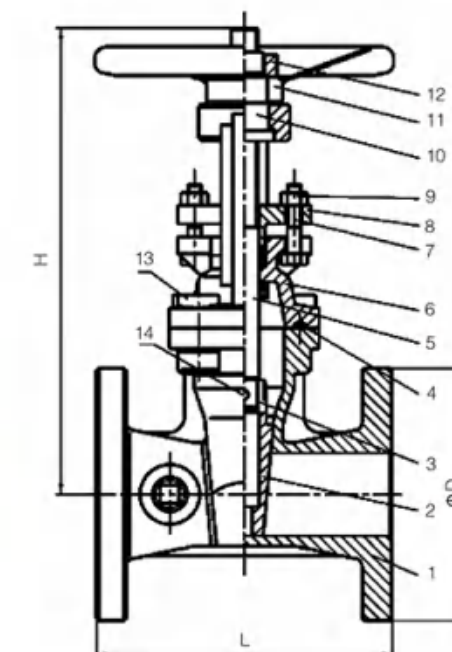
- Nominal Pressure: 200PSI
- Flange Standard: ASME/ANSI B161 Class 125 or ASME / ANS B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Face to Face Standard: ASME B16.10
- Sizes: 2", 2", 3", 4", 5", 6", 8", 10", 12" with FM UL CUL
- 14", 16" with FM only
- Approvals: FM, UL, CUL, NSF/ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 200PSI (Maximum Testing Pressure: 400PSI) conforms to UL 262, ULC / ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Disc	Ductile Iron +EPDM
3	Connecting Part	C95400
4	Sealing Pad	EPDM
5	Stem	Stainless Steel 304
6	Yoke	Ductile Iron
7	Bolt	Steel 1045
8	Gland	Ductile Iron
9	Nut	Steel 1045
10	Rotating Nut	C95400
11	Handwheel	Steel 1045
12	Lock Nut	Steel 1045
13	Countersunk Head Bolt	Steel 1045
14	Cylinder Pin	Stainless Steel 304

Dimensions

Size	L	H	ΦD
2"	178	313	152
2 1/2"	190	340	178
3"	203	387	191
4"	229	440	229
5"	254	546	254
6"	267	607	279
8"	292	786	343
10"	330	946	406
12"	356	1110	483



Resilient Wedge OS & Y Gate Valve - Flanged×Grooved End

Technical Features

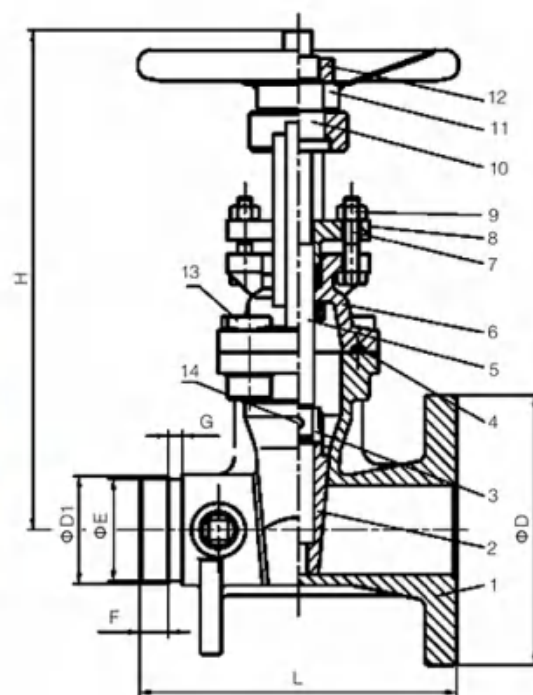
- Nominal Pressure: 200PSI
- Flange Standard: ASME/ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T 9113.1
- Groove standard: ANSI/AWWA C606 or Metric
- Face to Face Standard: ASME B16.10
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 200 PSI (Maximum Testing Pressure: 400PSI) conforms to UL 262, ULC / ORD C22-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Disc	Ductile Iron +EPDM
3	Connecting Part	C95400
4	Sealing Pad	EPDM
5	Stem	Stainless Steel 304
6	Yoke	Ductile Iron
7	Bolt	Steel 1045
8	Gland	Ductile Iron
9	Nut	Steel 1045
10	Rotating Nut	C95400
11	Handwheel	Steel 1045
12	Lock Nut	Steel 1045
13	Countersunk Head Bolt	Steel 1045
14	Cylinder Pin	Stainless Steel 304

Dimensions

Size	L	H	ΦD	ΦD1	ΦE	F	G
2"	178	313	152	60.3	57.2	15.9	7.9
2½"	190	340	178	76.1	72.3	15.9	7.9
3"	203	387	191	88.9	84.9	15.9	7.9
4"	229	440	229	114.3	110.1	15.9	9.5
5"	254	546	254	141.3	137	15.9	9.5
6"	267	607	279	168.3	163.9	15.9	9.5
8"	292	786	343	219.1	214.4	19	11.1
10"	330	946	406	273	268.3	19	12.7
12"	356	1110	483	323.9	318.3	19	12.7



Resilient Wedge OS & Y Gate Valve - Grooved End

Technical Features

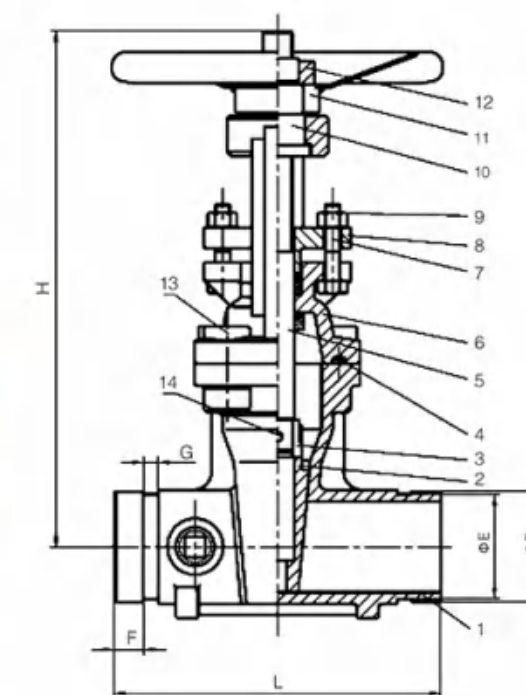
- Nominal Pressure: 200PSI
- Groove Standard: ANSI/AWWA C606 or Metric
- Face to Face Standard: ASME B16.10
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 200PSI (Maximum Testing Pressure: 400PSI) conforms to UL 262, ULC / ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Disc	Ductile Iron +EPDM
3	Connecting Part	C95400
4	Sealing Pad	EPDM
5	Stem	Stainless Steel 304
6	Yoke	Ductile Iron
7	Bolt	Steel 1045
8	Gland	Ductile Iron
9	Nut	Steel 1045
10	Rotating Nut	C95400
11	Handwheel	Steel 1045
12	Lock Nut	Steel 1045
13	Countersunk Head Bolt	Steel 1045
14	Cylinder Pin	Stainless Steel 304

Dimensions

Size	L	H	ΦD	ΦE	F	G
2"	178	313	60.3	57.2	15.9	7.9
2½"	190	340	76.1	72.3	15.9	7.9
3"	203	387	88.9	84.9	15.9	7.9
4"	229	440	114.3	110.1	15.9	9.5
5"	254	546	141.3	137	15.9	9.5
6"	267	607	168.3	163.9	15.9	9.5
8"	292	786	219.1	214.4	19	11.1
10"	330	946	273	268.3	19	12.7
12"	356	1110	323.9	318.3	19	12.7



Resilient Wedge NRS Gate Valve - Flanged End

Technical Features

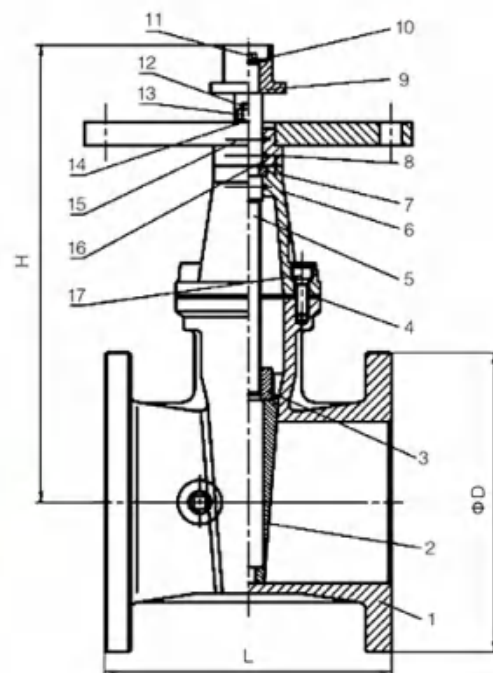
- Nominal Pressure: 200PSI
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Face to Face Standard: ASME B16.10
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- 2" without UL, CUL
- Maximum Working Pressure: 200PSI (Maximum Testing Pressure: 400PSI) conforms to UL 262, ULC / ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF/ANSI 372 is available

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Disc	Ductile Iron+EPDM
3	Nut	C95400
4	Gasket	EPDM
5	Stem	Stainless Steel 304
6	Cap	Ductile Iron
7	Retainer Ring	C95400
8	O-ring	EPDM
9	Wrench Nut	Ductile Iron
10	Minipad	Steel 1045
11	Bolt	Steel 1045
12	Stud	Steel 1045
13	Nut	Steel 1045
14	Flat Washer	Steel 1045
15	Coupling Flange	Ductile Iron
16	Platen	Ductile Iron
17	Countersunk Head Bolt	Steel 1045

Dimensions

Size	L	H	ΦD
2"	178	265	152
2½"	190	289	178
3"	203	326	191
4"	229	355	229
5"	254	410	254
6"	267	455	279
8"	292	558	343
10"	330	648	406
12"	356	745	483



Resilient Wedge NRS Gate Valve - Flanged×Grooved End

Technical Features

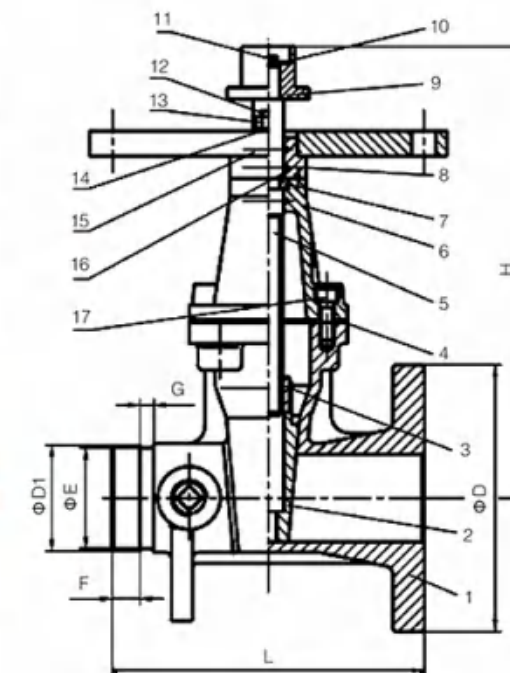
- Nominal Pressure: 200PSI
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Groove standard: ANSI / AWWA C606 or Metric
- Face to Face Standard: ASME B16.10
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- 2" without UL, CUL
- Maximum Working Pressure: 200PSI (Maximum Testing Pressure: 400PSI) conforms to UL 262, ULC / ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Disc	Ductile Iron+EPDM
3	Nut	C95400
4	Gasket	EPDM
5	Stem	Stainless Steel 304
6	Cap	Ductile Iron
7	Retainer Ring	C95400
8	O-ring	EPDM
9	Wrench Nut	Ductile Iron
10	Minipad	Steel 1045
11	Bolt	Steel 1045
12	Stud	Steel 1045
13	Nut	Steel 1045
14	Flat Washer	Steel 1045
15	Coupling Flange	Ductile Iron
16	Platen	Ductile Iron
17	Countersunk Head Bolt	Steel 1045

Dimensions

Size	L	H	ΦD	ΦD1	ΦE	F	G
2"	178	265	152	60.3	57.15	15.9	7.9
2½"	190	289	178	76.1	72.3	15.9	7.9
3"	203	326	191	88.9	84.9	15.9	7.9
4"	229	355	229	114.3	110.1	15.9	9.5
5"	254	410	254	141.3	137	15.9	9.5
6"	267	455	279	168.3	163.9	15.9	9.5
8"	292	558	343	219.1	214.4	19	11.1
10"	330	648	406	273	268.3	19	12.7
12"	356	745	483	323.9	318.3	19	12.7



Resilient Wedge NRS Gate Valve - Grooved End

Technical Features

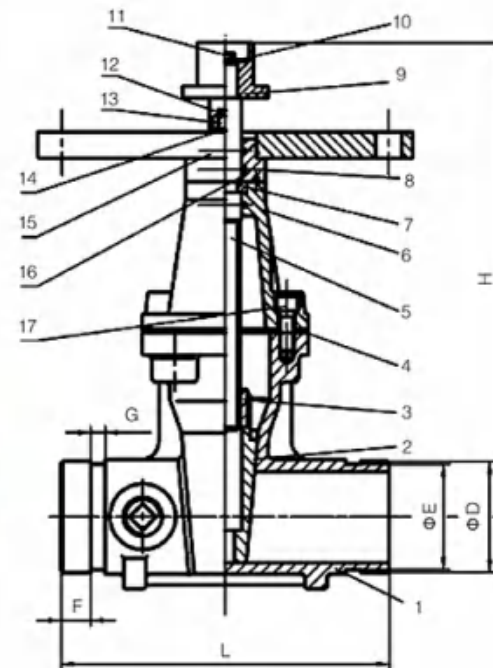
- Nominal Pressure: 200PSI
- Groove standard : ANSI / AWWA C606 or Metric
- Face to Face Standard: ASME B16.10
- Sizes: 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 3722
- 2" without UL, CUL
- Maximum Working Pressure: 200PSI (Maximum Testing Pressure: 400PSI) conforms to UL 262, ULC / ORD C262-92FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176° F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Disc	Ductile Iron+EPDM
3	Nut	C95400
4	Gasket	EPDM
5	Stem	Stainless Steel 304
6	Cap	Ductile Iron
7	Retainer Ring	C95400
8	O-ring	EPDM
9	Wrench Nut	Ductile Iron
10	Minipad	Steel 1045
11	Bolt	Steel 1045
12	Stud	Steel 1045
13	Nut	Steel 1045
14	Flat Washer	Steel 1045
15	Coupling Flange	Ductile Iron
16	Platen	Ductile Iron
17	Countersunk Head Bolt	Steel 1045

Dimensions

Size	L	H	ΦD	ΦE	F	G
2"	178	265	60.3	57.15	15.9	7.9
2 1/2"	190	289	76.1	72.3	15.9	7.9
3"	203	326	88.9	84.9	15.9	7.9
4"	229	355	114.3	110.1	15.9	9.5
5"	254	410	141.3	137	15.9	9.5
6"	267	455	168.3	163.9	15.9	9.5
8"	292	558	219.1	214.4	19	11.1
10"	330	648	273	268.3	19	12.7
12"	356	745	323.9	318.3	19	12.7



MH-XQH-300 Swing Check Valve

300PSI Flanged Swing Check Valve

Technical Features

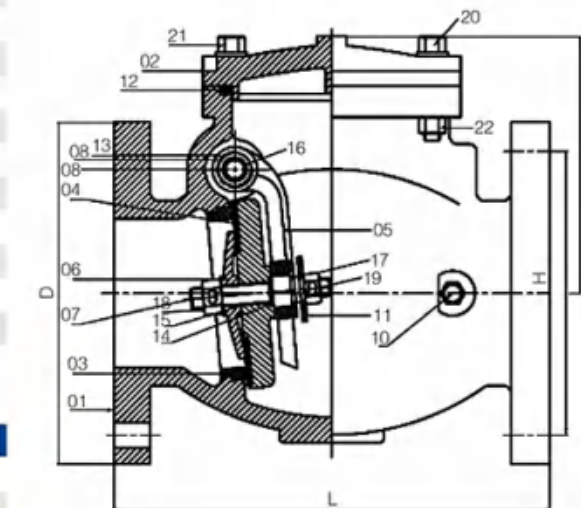
- Nominal Pressure: 300PSI
- Conforms: AWWA C508
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Sizes: 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard: ASME B16.10
- Approvals: UL, FM
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL 312 & FM Class 1210
- Working Temperature: 80°C / 176° F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Applications:
Used both vertically and horizontally;
Used in one-way flow pipeline to prevent the water from back flow

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Bonnet	Ductile Iron
3	Seat Ring	C95400
4	Disc	Ductile Iron+EPDM
5	Rocker Arm	Ductile Iron
6	Baffle Plate	C95400
7	Middle Stem	Stainless Steel 304
8	Stem	Stainless Steel 304
9	Bracket Screw	Stainless Steel 304
10	Plug	C95400
11	Gasket	Stainless Steel 304
12	O-ring	EPDM
13	O-ring	EPDM
14	O-ring	EPDM
15	O-ring	EPDM
16	Bronze Bushing	Powder Metallurgy
17	Nut	Stainless Steel 304
18	Nut	Stainless Steel 304
19	Cotter Pin	Stainless Steel 304
20	Bolt	Steel 1045
21	Bolt	Steel 1045
22	Nut	Steel 1045

Dimensions

Size	DN	L	D	H
2"	50	203	152	142
2 1/2"	65	216	178	148
3"	80	241	191	163.5
4"	100	292	229	172
5"	125	330	254	237
6"	150	356	279	233
8"	200	495	343	301
10"	250	622	406	348
12"	300	698	483	419



MH-XQH-350G Swing Check Valve

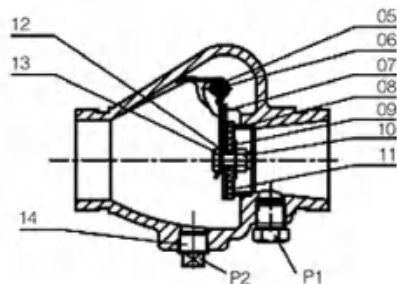
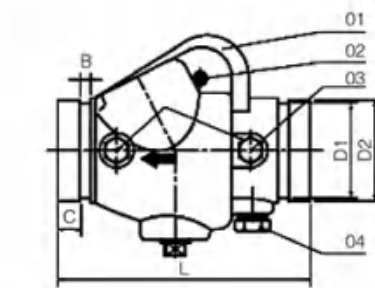
350PSI Grooved Swing Check Valve

Technical Features

- Nominal Pressure: 350PSI
- Groove standard: ANSI/AWWA C606 or Metric
- Sizes: 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, FM
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME/ANSI B16.42 Class 150 or BS EN10922 PN16 or GB/T91131
- Maximum Working Pressure: 350PSI (Maximum Testing Pressure: 700 PSI) conforms to UL 312 & FM Class 1210
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Applications: Used in one-way flow pipeline to prevent the water from back flow
- Other Connections: Flange*Flange; Groove*Flange; Flange*Groove

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Bolt	Steel 1045
3	Plug	Steel 1045
4	Plug	Steel 1045
5	Spring	Stainless Steel 304
6	Hinge Pin	Stainless Steel 304 / Ductile Iron
7	Clapper	Stainless Steel 304
8	Seat	C95400
9	Clamping Ring	Stainless Steel 304
10	Locknut	Stainless Steel 304
11	Facing Seal	EPDM
12	Gasket	EPDM
13	Bolt	Stainless Steel 304
14	Plug	Steel 1045



Dimensions

Size	L	D1	D2	B	C	P1	P2	P3
2"	169	57.15	60.3	7.95	15.88	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT
2 1/2"	181	69.09	73	7.95	15.88	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT
3"	198	84.94	88.9	7.95	15.88	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT
4"	214	110.08	114.3	9.53	15.88	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT
5"	248	135.48	139.7	9.53	15.88	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT
6"	270	160.78	165.1	9.53	15.88	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT
8"	325	211.6	216.3	11.13	19.05	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT
10"	457	268.3	273	12.7	19.05	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT
12"	535	318.3	323.9	12.7	19.05	RC1/2-14	RC1/2-14 RC3/4-14 RC1-11 RC1 1/4-11 RC1 1/2-11 RC2-11 RC1/4-19 RC3/8-19 RC1/2-14	1/2-14NPT 1/2-14NPT 3/4-14NPT 1-11.5NPT 1 1/4-11.5NPT 1 1/2-11.5NPT 2-11.5NPT 1/4-18NPT 3/8-18NPT 1/2-14NPT

ZSQ Vertical Type Indicator Post

Technical Features

- Approvals: UL, CUL, FM
- Conforms to UL789 & ULC / ORD-C789 & FM 1110
- Adjustable buried length: 570mm to 1500mm
- Used to identify the position of buried Gate Valves from 4" to 12"

Operation Manual

- Remove the indicator cover
- Adjust the length of the connecting rod according to buried depth and cut off the excessive part
- Connect the indicator post and gate valve which is in the closed position
- Adjust the indicator to the position of "SHUT"
- Tighten the bolts between the flange of the indicator post and post flange of gate valve
- Install the indicator cover

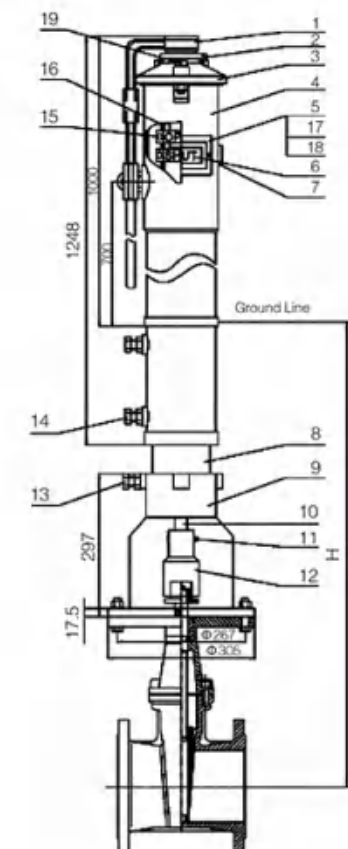
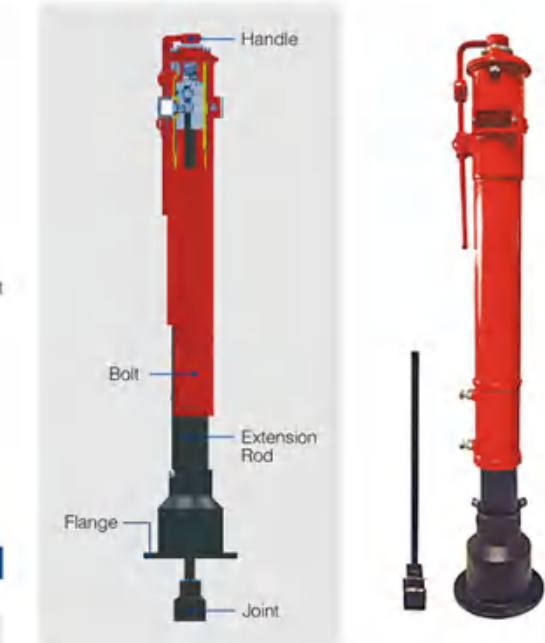
Material List

No.	Description	Material
1	Handle	Ductile Iron
2	Driving Rod	Stainless Steel 304
3	Indicator Cover	Cast Iron
4	Housing	Cast Iron
5	Keyhole Plate	A283 Gr.C
6	Indicator Plate	A413.0
7	Screwed Plug	Steel 1035
8	Extension Rod	A283 Gr.C
9	Flange	Cast Iron
10	Connecting Rod	Steel 1045
11	Cotter Pin	Steel 1035
12	Joint	Cast Iron
13	Bolt	Steel 1035
14	Bolt	Steel 1035
15	Bolt	Steel 1035
16	Driving Nut	Stainless Steel 304
17	Keyhole Plate Gasket	EPDM
18	Indicator Flap	Organic Glass
19	Bolt	Steel 1035

Dimensions

Size	H(mm)(200PSI)		H(mm)(300PSI)	
	MIN.	MAX.	MIN.	MAX.
4"	850	1780	825	1755
5"	880	1810	890	1820
6"	917	1847	926	1856
8"	1022	1952	1012	1942
10"	1115	2045	1108	2038
12"	1204	2134	1188	2118

3D Picture



QSCZG Wall Type Indicator Post

Technical Features

- Approvals: UL, CUL, FM
- Conforms to UL789 & ULC / ORD-C789 & FM1110
- Used to Operate a Valve Installed Behind the Wall

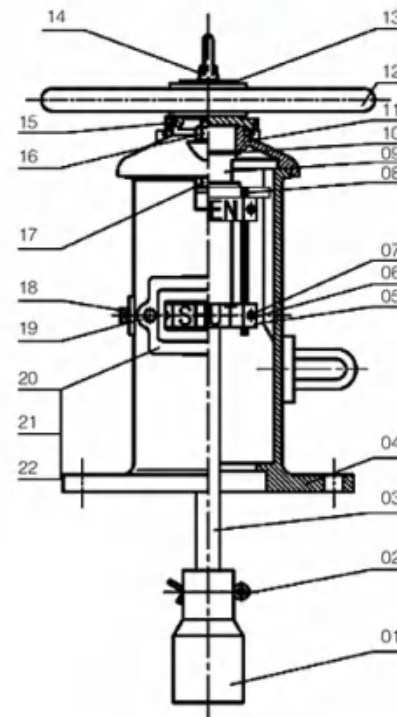
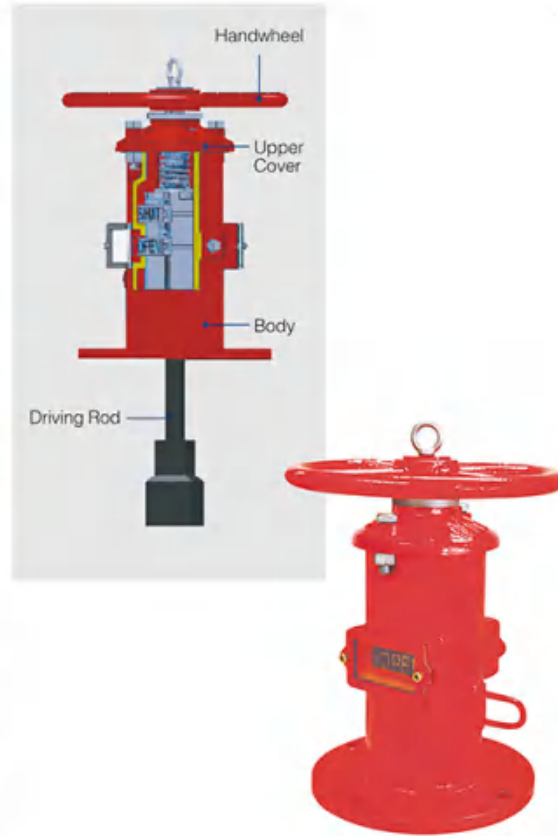
Operation Manual

- Adjust the length of the connecting rod according to the depth of gate valve and cut off the excessive part
- Install the indicator post to the wall
- Connect the indicator post and gate valve which is in the closed position
- Adjust the indicator to the position of "SHUT"

Material List

No.	Description	Material
1	Joint	Cast Iron
2	Cotter Pin	Steel 1035
3	Driving Rod	Steel 1045
4	Main Body	Cast Iron
5	Indicator Plate	A413.0
6	Nut, Gasket	Steel 1035
7	Stud Bolt	Steel 1035
8	Position Bracket	Stainless Steel 304
9	Driver	Stainless Steel 304
10	Retainer Ring For Stem	1566
11	Upper Cover	Cast Iron
12	Handwheel	Cast Iron
13	Gasket	A283 Gr.C
14	Lift Ring	Steel 1035
15	Screw	Steel 1035
16	Nut	Steel 1035
17	Bolt	Steel 1035
18	Screwed Plug	Steel 1035
19	Bolt, Flat Gasket	Stainless Steel 304
20	Keyhole Plate	A283 Gr.C
21	Keyhole	Organic Glass
22	Keyhole Plate Gasket	EPDM

3D Pictures



MH-1510FA/MH-1510A Dry Barrel Fire Hydrant

Technical Features

- Nominal Pressure: 250PSI
- Design Standard: AWWA C502
- Inlet flange size: 6"(DN150), Main Valve size: 133.4mm / 5-1/4"
- One pumper nozzle: 4.5-4NH thread, Two hose nozzles, 2.5-7.5NH threads Other kinds of threads are available
- Mechanical connector: AWWA / ANSI C153/A21536, Model No.: MH-1510A
- Flange connector: ASME B16.5 Class 150 / DIN 2501 PN16, Model No.: MH-1510FA
- Painting Details: Red Polyurethane paint & Bitumen Black or painting upon request
- Note: Each hydrant is supplied with a hydrant wrench
- Approvals: UL 246 Listed, FM 1510 Approved

Installation

- Hydrants should be handled with care to avoid damage. It is recommended to keep hydrants closed until use
- If the hydrant is not to be used straight away then it is recommended to coat threads and other machined parts with anti-rust oil and the hydrant should be stored in a dry and ventilated area. For long-term storage, the hydrant should be checked regularly
- Before installation of hydrants, the connection should be free from dirt or other matter
- The positioning of the hydrant should be in accordance with local requirements. Ideally the pumper should face the street and all connections should be away from any obstruction to connecting hoses
- The inlet elbow should be placed on a solid surface and if possible brace the side opposite the incoming flow to reduce reaction stresses
- The underground parts of the hydrant should be surrounded with coarse gravel for support and drainage
- After the hydrant has been installed and tested, it is recommended to fully flush the hydrant before closing for service. Before replacing the nozzle caps, it is recommended to check for correct drainage of the hydrant on closing of the valve. This can be achieved by placing a hand over the nozzle opening, a suction should be felt

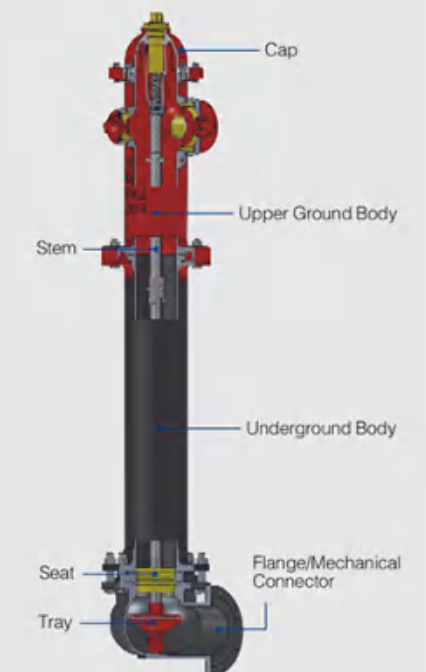
Operation

- Unscrew the nozzle caps and connect hoses
- Open the hydrant using the hydrant key (included) to the fully open position by turning the operation nut in an anti-clockwise direction. Do not force the hydrant to open further past the fully open position. Note that the hydrant valve is not intended to control the flow, it should be used in either the fully open or fully closed position
- To control flow, a pressure / flow control valve should be fitted to the nozzle outlets on the hydrant
- To close, turn the operation nut into a clockwise direction again, do not over tighten

Fire Fighting Valve



3D Pictures



Maintenance

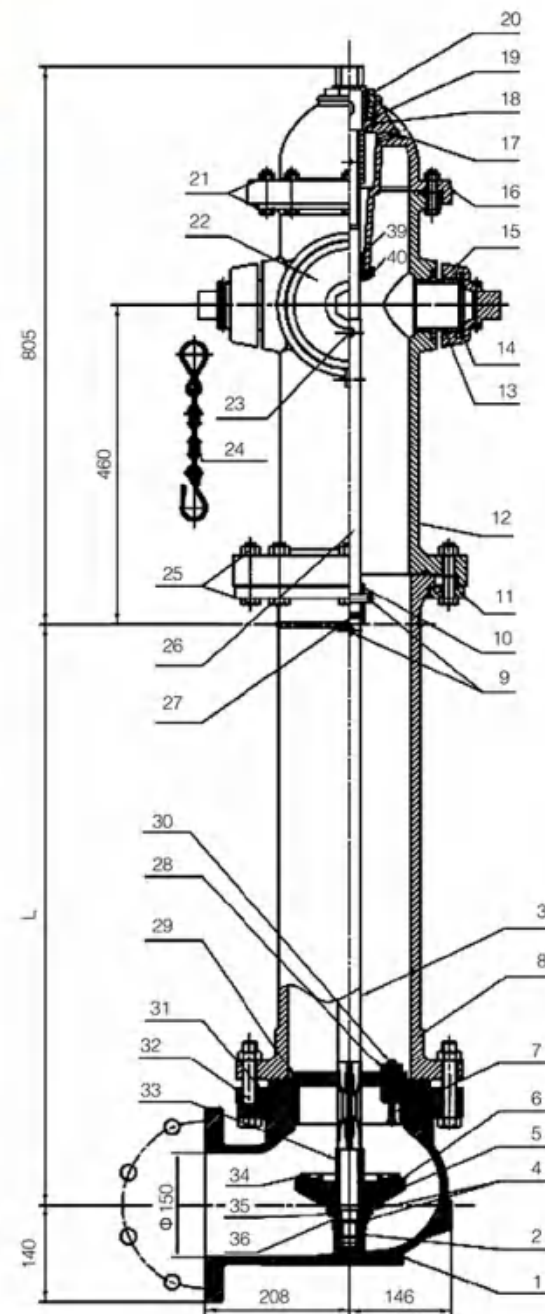
- Carry out a visual inspection for signs of significant corrosion which may impair performance
- Where possible, carry out leakage tests by opening one of the nozzle caps slightly and then open the hydrant valve. Once the air has escaped, tighten the hose cap and check for leaks.
- Close hydrant and remove one nozzle cap so that the drainage can be checked
- Flush the hydrant
- Clean and lubricate all nozzle threads
- Clean the exterior of the hydrant and repaint if required

Buried Dimensions

L	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'
(mm)	1063	1215	1368	1520	1673	1825	1978	2130

Material List

No.	Description	Material
1	Flange Connector Or Mechanical Connector	Ductile Iron
2	Locking Nut	Ductile Iron
3	Connecting Rod	Steel 1045
4	Locking Nut Gasket	EPDM
5	Tray	Ductile Iron
6	Sealed Rubber Sheet	EPDM
7	Drain Hole Spring	316 Stainless Steel
8	Connecting Cylinder	Ductile Iron
9	Perforated Cylindrical Pin	Steel 1045
10	Connecting Rod Sleeve	Steel 1045
11	Clamp For Connection Tube	Ductile Iron
12	Main Body On Ground	Ductile Iron
13	65 Connector	C95400
14	65 Cover Gasket	EPDM
15	65 Cover	Ductile Iron
16	Upper End Cover	Ductile Iron
17	Thread Plug	C95400
18	Screw Stem Nut	C95400
19	Screw Nut Gasket	C95400
20	Screw Nut Seat	C95400
21	Bolt, nut	Steel 1035
22	100 Cover	Ductile Iron
23	Cylindrical Pin	Steel 1045
24	Cover Chain	Gr.B, ASTM A283-B
25	Bolt, nut	Steel 1035
26	Screw Stem	Steel 1045
27	Cushion Rubber	EPDM
28	Drain Hole Cover	C95400+EPDM
29	Seat	C95400
30	Bolt, nut	316 Stainless Steel
31	Seat Fixing Plate	Ductile Iron
32	Bolt, nut	Steel 1035
33	Annular Tubes	Steel 1045
34	Platen	Ductile Iron
35	Locking Nut Seat	Ductile Iron
36	Check Turn Gasket	Gr.B
37	100 Connector	C95400
38	100 Cover Gasket	EPDM
39	Screw Stem Bushing	316 Stainless Steel
40	Bolt	316 Stainless Steel

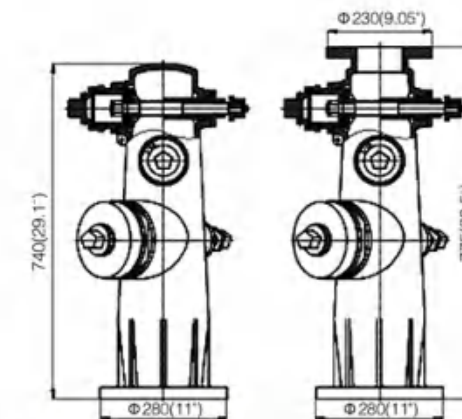


Technical Features

- Design Standard: AWWA C503
- External Thread Standard: NFPA 1963 25"-75NH/4"-4NH/4.5"-4NH
- Water Inlet Flange Standard: ASTM B16.5 Class 150 6"/DIN2501 PN16 DN150
- Maximum Adjust Pressure: 250PSI
- Monitor Flange Standard: ASTM B16.5 Class 150 4"/DIN2501 PN16 DN100
- Working Temperature: 0°C-80°C

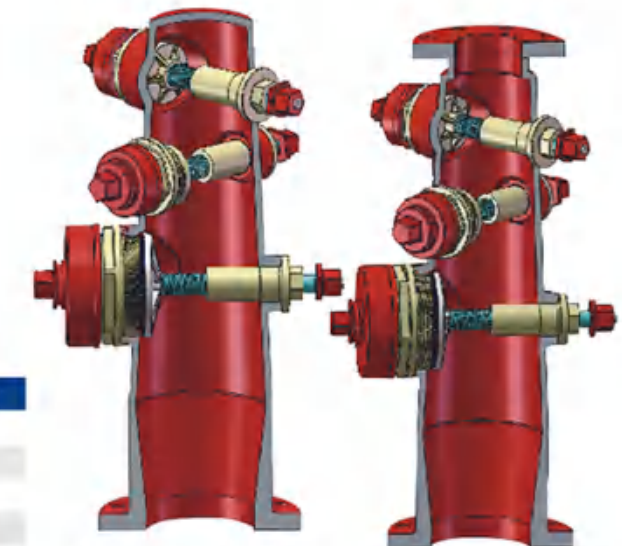
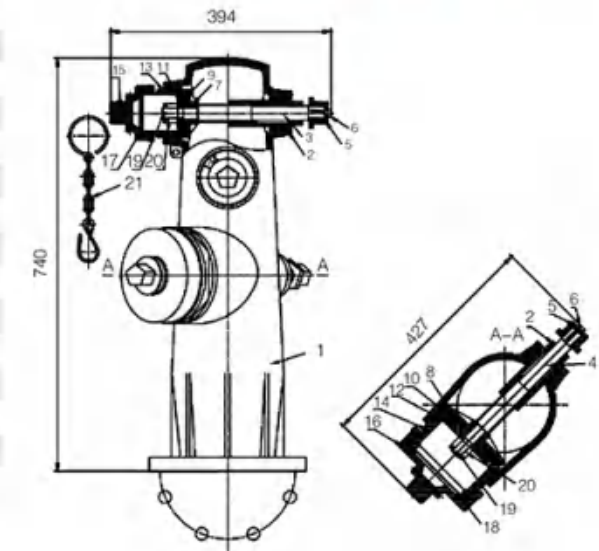
Material List

No.	Name	QTY	Material
1	Main Body	1	Ductile Iron
2	Nut	3	C954
3	2.5" Bolt	2	SS304/C954
4	4.5" Bolt	1	SS304/C954
5	Stem cap	3	Ductile Iron
6	Bolt	3	SS304
7	2.5" Tray	2	Ductile Iron/SS304/C954
8	4.5" Tray	1	Ductile Iron/SS304/C954
9	2.5" Sealing rubber sheet	2	EPDM
10	4.5" Sealing rubber sheet	1	EPDM
11	2.5" Platen	2	Ductile Iron/SS304/C954
12	4.5" Platen	1	Ductile Iron/SS304/C954
13	2.5" Outlet	2	C954
14	4.5" Outlet	1	C954
15	2.5" Outlet cover	2	Ductile Iron
16	4.5" Outlet cover	1	Ductile Iron
17	2.5" Cover gasket	2	EPDM
18	4.5" Cover gasket	1	EPDM
19	Cotter pin	3	SS304
20	Slotted nut	3	SS304
21	Cover chain		Gr.B



General Technical Information

Model Number	House Outlet Size	Pumper Hozze Size	Monitor
MH-1511	2 x 2.5"	1 x 4.5"	N/A
MH-1511A	2 x 2.5"	1 x 4.5"	YES
MH-1512	2 x 2.5"	1 x 4"	N/A
MH-1512A	2 x 2.5"	1 x 4"	YES



MH-AMARV Air Release Valves

Technical Features

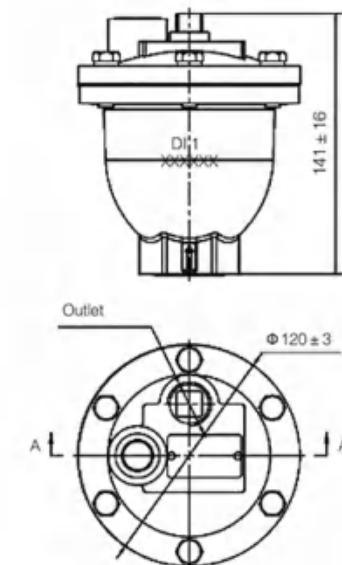
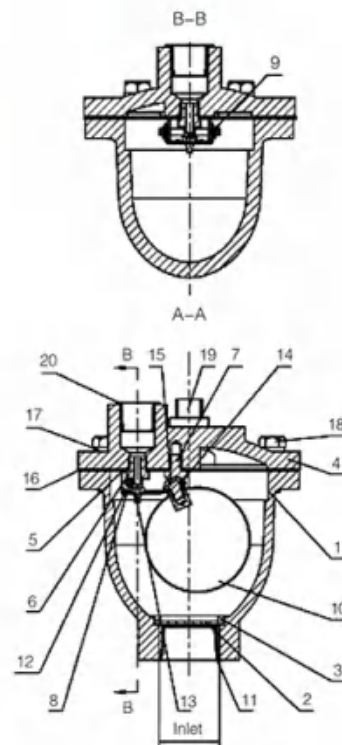
- Designed, manufactured: Accordance with UL 2573 / Fm1344
- Test Standard: UL 2573 / FM1344
- Temperature: 0 to 100°C
- Normal size: 1"
- Normal Pressure: 175PSI
- Test Pressure: Leakage Test 7PSI / 263PSI, Strength Test 350PSI
- Use in wet pipe sprinkler systems, or with horizontal split case pumps
- The inlets of the valves are 1-11 1/2NPT or Rc 1, the outlets of the valves are 1/2-14NPT or Rc 1/2
- Advantages: This valve can ensure the excellent leak tightness and good venting capabilities under the rated working pressure

Valve Material List

No.	Description	Material
1	Body	Ductile Iron
2	Filter Screen	SS316
3	Gasket Ring	Carbon Steel
4	Bonnet	Ductile Iron
5	Yoke	SS316
6	Seat	SS316
7	Bolt	SS316
8	Valve Shaft	SS316
9	E Type Retainer Ring	SS304
10	Ball	SS316
11	Big Protective Cover	Plastic
12	Lever	SS316
13	Poppet	EPDM
14	Spring Washer	SS316
15	Hex Socket Head Bolt	SS304
16	Asbestos-free Gasket	CN-705
17	Spring Washer	Carbon Steel
18	Bolt	Carbon Steel
19	Plug	Ductile Iron
20	Small Protective Cover	Plastic

Connections for Installation

- The inlet connections shall be made using the external threads of tapered pipe thread 1-11 1/2NPT conforming to the standard ASME B 1.20.1-2013, and the outlet connections shall be made using the external threads of tapered pipe thread 1/2-14NPT conforming to the standard ASME B 1.20.1-2013.
- The inlet connections shall be made using the external threads of tapered pipe thread R21 conform to the standard ISO 7-1-1994, and the outlet connections shall be made using the external threads of tapered pipe thread R2 1/2 conforming to the standard ISO 7-1-1994.



ZSJZ-YM-450 Vane Type Water Flow Switch

Technical Features

- Size: DN50-DN200/2"-8"
- Working Pressure: 450PSI
- Sensitivity:
 - FM: 1. No-alarm flow $\leq 15\text{L/min}$
 - 2. Alarm flow $> 15\text{L/min}$, $\leq 75\text{L/min}$
 - UL: 1. No-alarm flow $\leq 15\text{L/min}$
 - 2. Alarm flow $> 15\text{L/min}$, $\leq 37.5\text{L/min}$
- Capacity of Switch Contacts:
 - AC 125 / 250V 8A
 - DC 24V 3A
 - DC 30V 2.5A
- Working Temperature: 0-49°C
- Steel Pipe: SCH10-40
- 0-90 Seconds Field Replaceable Retard

Technical Information

- I . Overview

The vane type water flow switch use in wet pipe systems only. Water flow in the pipe deflects a vane, which produces a switched output usually after a specified delay
- II . Main Components

ZSJZ series water flow indicator is mainly composed of the saddle, blade rack, bottom plate, outer cover, Air delay device, micro-switch, junction box, etc.

 - The main outline drawing is shown in Figure 1 Outline Drawing.
 - Main dimensions of water flow indicator are shown in Table 1.
 - Materials of the main components are shown in Table 2.

Dimensions

Model	Specification	INCH	L	H
ZSJZ-YM-450	DN50	2"	85	188
ZSJZ-YM-450	DN65	2 1/2"	92	200
ZSJZ-YM-450	DN80	3"	106	220
ZSJZ-YM-450	DN100	4"	134	245
ZSJZ-YM-450	DN125	5"	162	272
ZSJZ-YM-450	DN150	6"	189.5	298
ZSJZ-YM-450	DN200	8"	240	350

Table 1

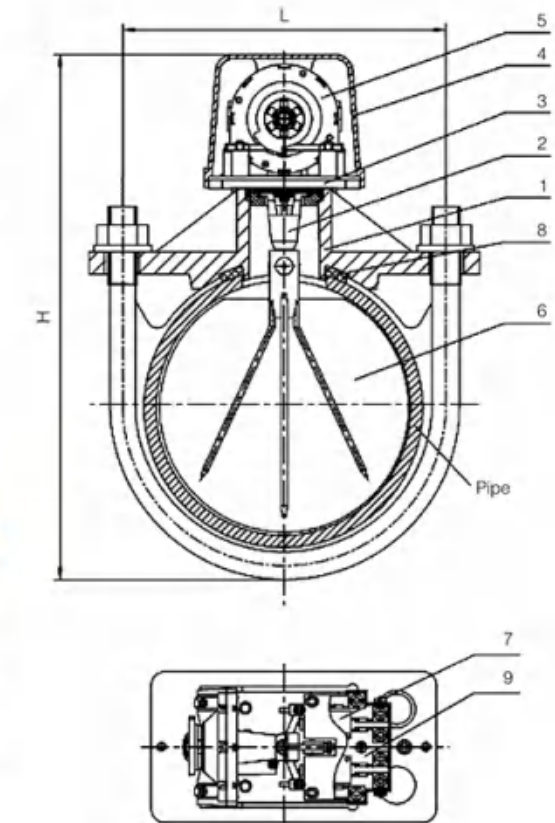


Figure 1 Outline Drawing

Fire Fighting Valve

Installation and Debugging as well as Precautions

Installation of water flow indicator:

At the pre-set installation position, use a tapper to drill on the main pipeline and remove burrs according to the product specification;

Roll up the blade into a small size and put it into the pipeline, install the U-shaped bolt and fasten it up with two fastening nuts, and the specific installation drawing is shown in Figure 2.

Materials of Main Components

No.	Name	Material
1	Body	Ductile Iron
2	Blade Rack	SS304+EPDM
3	Bottom Plate	SS 304
4	Outer Cover	Aluminum
5	Air Delay Device	Component
6	Blade	LLDPE
7	Micro-switch	Component
8	Sealing Gasket	EPDM
9	Junction Box	PC

Table 2

The hole size is shown in Table 3

Specification	Hole size
DN50, DN65	32+2mm
DN80-DN200	51+2mm

Table 3

The typical wiring diagram is shown in Figure 3

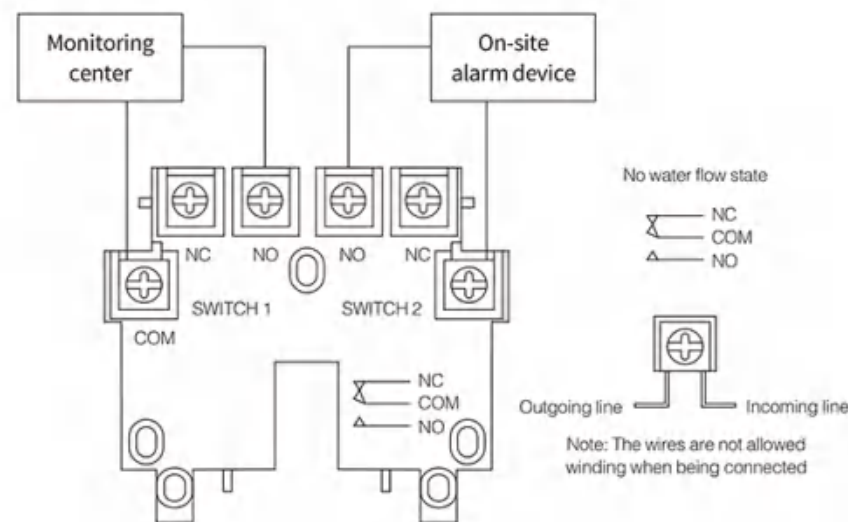


Figure 3

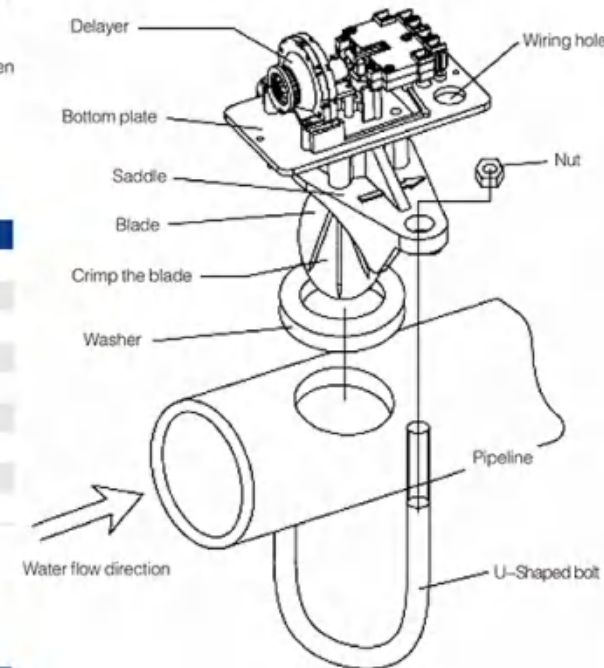


Figure 2 Installation Drawing

Wet Alarm Check Valve

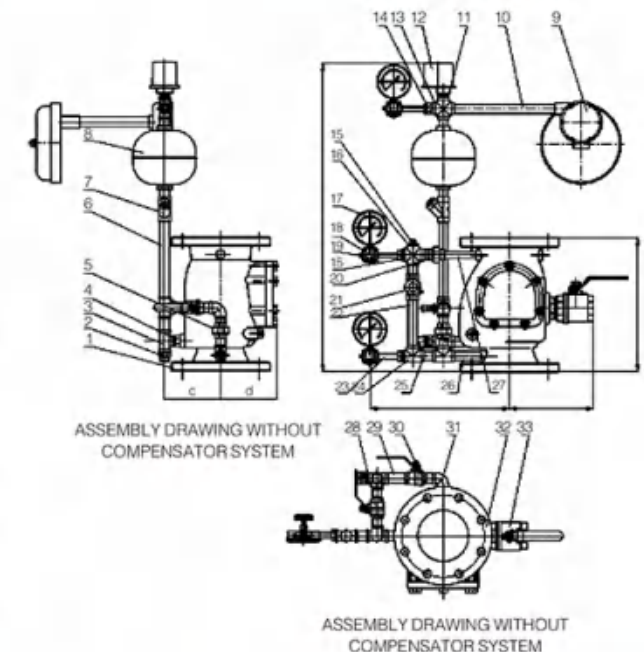
Flange / Groove / Flange*Groove / Groove*Flange

Technical Features

- Maximum Adjust Pressure: 200PSI-300PSI/PN10/PN16
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB/T9113.1
- Groove Standard: AWWA C606 / ISO 6182-12
- Working Temperature: 4°C-70°C
- Installation Height of the Gong According to Clients' requirements
- Gong can be installed indoor or outdoor through wall as to clients' requirements
- External Dimensions for reference only
- Coating details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- Alarm check valves use in wet pipe of sprinkler system, Fire protection system

Material List

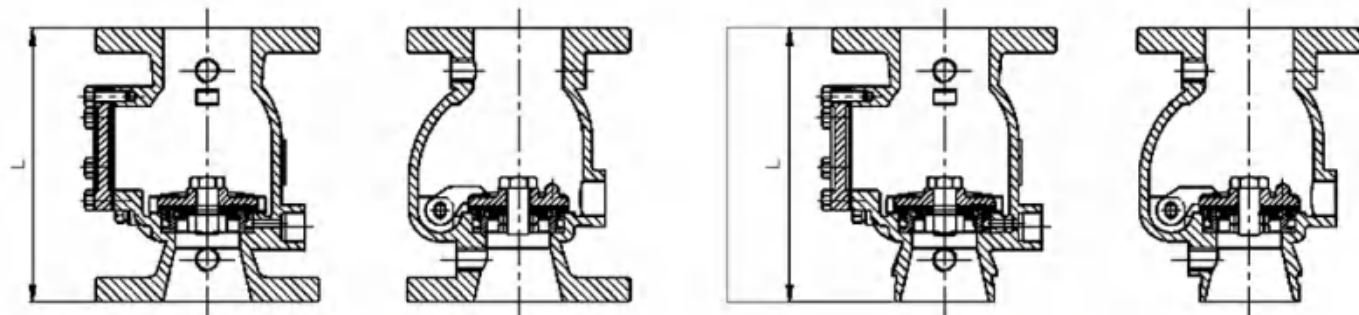
No.	Name	Material	QTY.
1	Alarm Valve		1
2	Orifice, retard	C954 / SS304	1
3	Tee	Steel / SS304	2
4	Nipple	Steel / SS304	6
5	Union	Steel / SS304	1
6	Nipple	Steel / SS304	1
7	Y Strainer	C954 / SS304	1
8	Retard Chamber	Steel	1
9	Gong Assembly	Component	1
10	Nipple	Steel / SS304	1
11	Reducer Bushing	Steel / SS304	1
12	Pressure Switch	Component	1
13	Cross	Steel / SS304	1
14	Reducer Bushing	Steel / SS304	1
15	Plug	Steel / C954 / SS304	1
16	Cross	Steel / SS304	2
17	Pressure Gauge	Component	3
18	3-way Valve Gauge	C954 / SS304	3
19	Plug	Steel / C954 / SS304	3
20	Orifice, retard	C954 / SS304	1
21	Check Valve	C954 / SS304	1
22	Nipple	Steel / SS304	1
23	Nipple	Steel / SS304	3
24	Tee	Steel / SS304	2
25	Nipple	Steel / SS304	4
26	Nipple	Steel / SS304	1
27	Nipple	Steel / SS304	1
28	Ball Valve	C954 / SS304	1
29	Nipple	Steel / SS304	1
30	Ball Valve	C954 / SS304	1
31	Elbow	Steel / SS304	2
32	Nipple	Steel / SS304	1
33	Ball Valve	C954 / SS304	1



Dimensions

Size	a	b	c	d
2"	340	205	145	110
2 1/2"	340	205	145	110
3"	340	205	145	110
4"	342	250	160	136
5"	349	274	180	162
6"	349	274	180	162
8"	415	290	205	195
10"	475	340	240	235
12"	495	368	270	270

General Technical Information



Flange*Flange

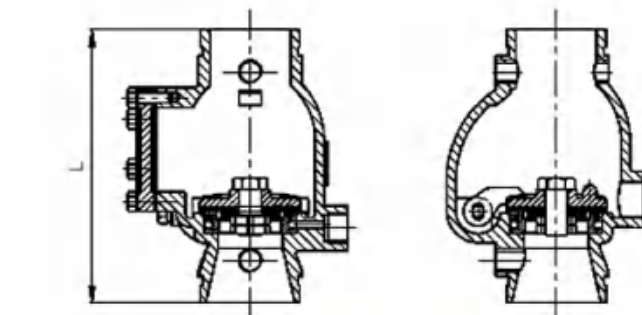
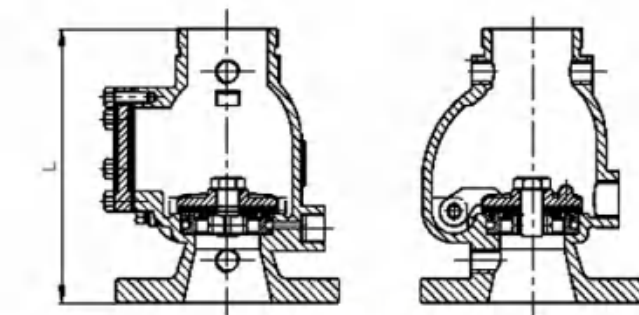
Dimensions Chart

Size	L(mm)	L(inch)
DN50(2")	233	9.17
DN65(2 1/2")	236	9.29
DN80(3")	245	9.65
DN100(4")	316	12.44
DN125(5")	386	15.20
DN150(6")	390	15.35
DN200(8")	438	17.24
DN250(10")	535	21.06
DN300(12")	622	24.49

Flange*Groove

Dimensions Chart

Size	L(mm)	L(inch)
DN50(2")	239	9.41
DN65(2 1/2")	240	9.45
DN80(3")	245	9.65
DN100(4")	316	12.44
DN125(5")	386	15.20
DN150(6")	390	15.35
DN200(8")	438	17.24
DN250(10")	535	21.06
DN300(12")	622	24.49



Groove*Flange

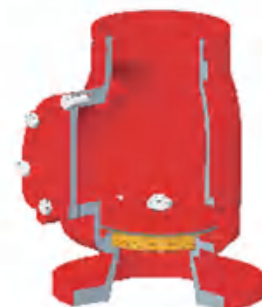
Dimensions Chart

Size	L(mm)	L(inch)
DN50(2")	239	9.41
DN65(2 1/2")	240	9.45
DN80(3")	245	9.65
DN100(4")	316	12.44
DN125(5")	386	15.20
DN150(6")	390	15.35
DN200(8")	438	17.24
DN250(10")	535	21.06
DN300(12")	622	24.49

Groove*Groove

Dimensions Chart

Size	L(mm)	L(inch)
DN50(2")	245	9.65
DN65(2 1/2")	245	9.65
DN80(3")	245	9.65
DN100(4")	316	12.44
DN125(5")	386	15.20
DN150(6")	390	15.35
DN200(8")	438	17.24
DN250(10")	535	21.06
DN300(12")	622	24.49



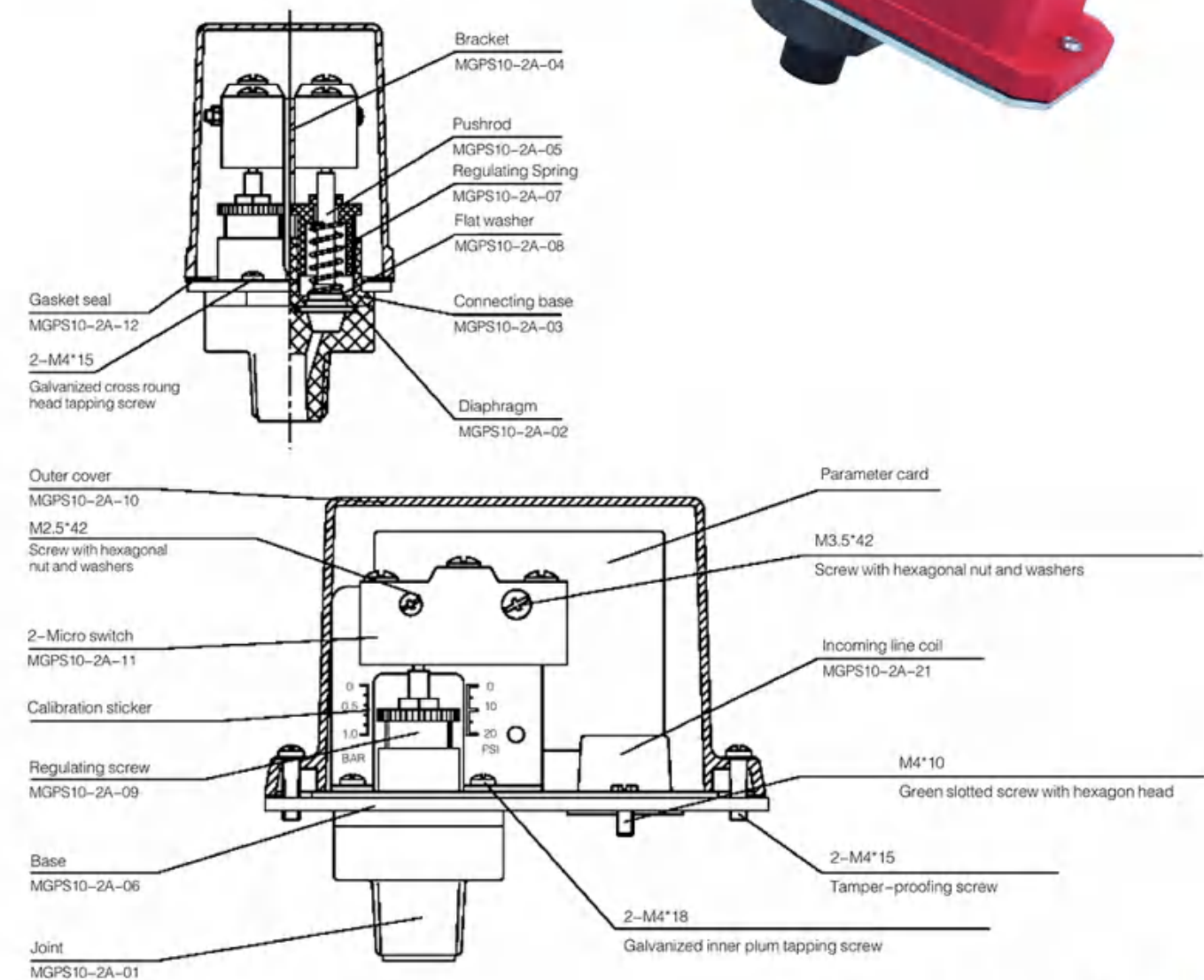
ZSJY 1.6BP Pressure Switch

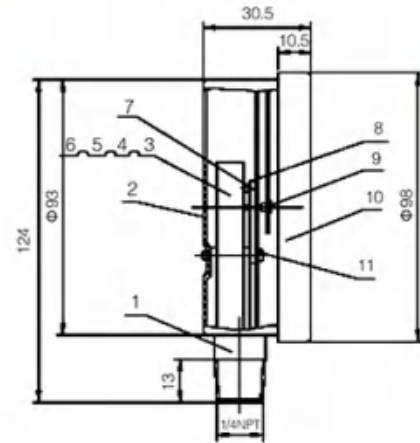
Fire Fighting Valve

Technical Features

- Dimension: 121mm(4 3/4")*57mm(2 1/4")*111mm(4 3/8")
- Wiring Inlet: 1/2"
- Pressure Connection: Nylon 1/2" NPT thread
- Outer Cover: Die casting with red coating
- Base: Galvanized carbon steel
- Factory Setting: 5~7 PSI (cannot be adjusted after consignment)
- Differential Pressure: 1 PSI (cannot be adjusted after consignment)
- Maximum Working Pressure: 250 PSI
- Switch Contact: double SPDT
- Contact Capacity: 15 Amps under 125/250 VAC, 2.5 Amps under 30 VDC
- Dust Proof and Waterproof Level: IP66
- Temperature Range: -40°C to 60°C
- Tamper proof fasteners on outer cover

Technical Specifications





PFE-00A/00B Pressure Gauge

Technical Features

- Pressure Gauge for Fire Protection system
- Designed and manufactured in accordance with UL 393/FM2311
- Test Standard: UL 393/FM2311
- Temperature: 0 to 80°C
- Nominal Size: 1/4" NPT
- Nominal Pressure: 0-300PSI, 0-600PSI

Material List

No.	Name	Material
1	Base	HPb59-1
2	Watchcase	1008
3	Spring pipe	Qsn0.8-2
4	Rivet	HPb59-1
5	Connecting rod	H62
6	Free end	H62
7	Inner core combination	HPb59-1
8	Dial plate	HPb59-1
9	Pointer component	Al
10	Watchcase	PC
11	Rivet column	HPb59-1

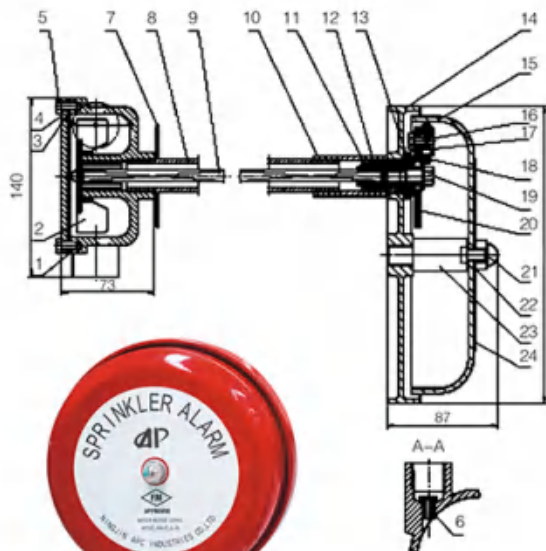
MH-SLJL-00 Water Motor Gong

Material List

No.	Name	Material
1	Driver Shell	Aluminium Alloy
2	Impeller	Delrin
3	Sealing Gasket	EPDM
4	Cover	1045 or SS304
5	Bolt	1045 or SS304
6	Nozzle	C954
7	Gasket	1566
8	Support Pipe	1045 or SS304
9	Drive Shaft	Aluminium Alloy
10	Sleeve	1045 or SS304
11	Internal Circlips	SS304
12	Drive Shaft Adaptor	Delrin
13	Supporting Screw	Aluminium Alloy or SS304
14	Bell Seat	Aluminium Alloy
15	Gong	Aluminium Alloy
16	Bolt	Aluminium Alloy or 1045
17	Support Nut	Aluminium Alloy
18	Striker	Phenolic Resin
19	Bolt	Aluminium Alloy or SS304
20	Joint	Aluminium Alloy
21	Screw Nut	Aluminium Alloy or SS304
22	Gasket	Delrin
23	Supporting Post	Aluminium Alloy or SS304
24	Tag	Paper

Technical Features

- Designed and manufactured in accordance with Fm1055
- Test Standard: Fm1055
- Temperature: 0 to 100°C
- Nominal Pressure: 0-300PSI



Fire Control Series



Alarm Valve

> Wet Alarm Check Valve Groove Type



> Deluge Alarm Valve Groove Type



> Deluge Alarm Valve



Technical Parameters

Size	DN100	DN150	DN200	DN250
Working Pressure	1.2MPa			
Sealing Testing	2.4MPa			
Strength Testing	4.8MPa			
Control Way	Electronic control, guidance, manual type			

Wet Alarm Valve (SS304 Material)



Technical Parameters

Size	DN100	DN150	DN200	DN250
Working Pressure	1.6MPa			
Sealing Testing	3.2MPa			
Strength Testing	6.4MPa			
Friction	< 0.02MPa			

Deluge Alarm Valve (SS304 Material)



Technical Parameters

Size	DN100	DN150	DN200	DN250
Working Pressure	1.2MPa			
Sealing Testing	2.4MPa			
Strength Testing	4.8MPa			
Control Way	Electronic control, guidance, manual type			

SS304 Remote Control Fire Monitor

Model: PSKD80

Size: PSKD80

Flow Rate: 10~80L/S Automatic nozzle

Type of monitor head: Automatic type

Working Pressure: 10 Bar

Max jetting range: 80 Meters

Max rotation angel: vertical $\pm 90^{\circ}$, horizontal 350°

Max fog angel: 120°

Max rotate speed: 18° /second

Main body material: 304L stainless steel

Turbine material: brass

Material of monitor head: Aluminum alloy

Supply voltage: 12/24V or 100~230VAC

Power dissipation: 50W/150W

Weight: About 28kg

Length of cable: 5 meters (free)

Water inlet: DN100 Flange (GB standard or according to customer requirement)

Feature: Excellence Quality Maintenance free

Original: Made in China



Duxtile Material Remote Control Monitor

Products Features

1. Easy to control far jetting range
2. Light weight
3. Remote control range reach 150 meters
4. Manual and remote control
5. Control panel function
6. Straight and fog function



Technical Parameters

Type	PSKD20	PSKD30	PSKD40	PSKD50	PSKD60
Flow rate (L/S)	20	30	40	50	60
Rate Working Pressure (MPa)			0.8		
Max Working Pressure (MPa)			1.0		
Jetting Range (m)	≥ 48	≥ 55	≥ 60	≥ 65	≥ 70
Horizontal Rotation Angle (°)			0~360		
Vertical Rotation Angle (°)			-15~70		
Fog Angle (°)			90		
DC 24V			DC 24		
Inlet size (mm)			DN100		

Fire Water Monitor

> Fire Water Monitor (SS304)



Technical Parameters

Type	PS20	PS30	PS40	PS50
Flow rate (L/S)	20	30	40	50
Rate Working Pressure (MPa)	0.8			
Max Working Pressure (MPa)	1.0			
Max Jetting Range (M)	≥48	≥55	≥60	≥65
Horizontal Rotation Angle (°)	0~360			
Maximum Elevation	70			
Min Depression	-70			

Foam / Water Monitor PL Series

Products Features

1. Easy to control, far jetting range
2. 360° Horizontal Rotation
3. Straight and fog function



Technical Parameters

Type		PL24	PL32	PL40	PL48	PL64
Flow rate (L/S)		24	32	40	48	64
Rate Working Pressure (MPa)		0.8				
Max Working Pressure (MPa)		1.0				
Max Jetting Range (M)	Water	≥ 48	≥ 55	≥ 60	≥ 65	≥ 70
	Foam	≥ 45	≥ 50	≥ 55	≥ 60	≥ 65
Horizontal Rotation Angle (°)		0~360				
Maximum Elevation (°)		70				
Min Depression (°)		-70				
Fog Angle (°)		≥5				
25% Drainage Time (min)		≥2.5				

Self-Inductor Foam Monitor



Technical Parameters

Type		PL24	PL32	PL40	PL48	PL64
Flow rate (L/S)		24	32	40	48	64
Rate Working Pressure (MPa)		0.8				
Max Working Pressure (MPa)		1.0				
Max Jetting Range (M)	Water	≧ 48	≧ 55	≧ 60	≧ 65	≧ 70
	Foam	≧ 45	≧ 50	≧ 55	≧ 60	≧ 65
Horizontal Rotation Angle (°)		0~360				
Maximum Elevation (°)		70				
Min Depression (°)		-70				
Foam Expansion		≧5				
25% Drainage Time (min)		≧2.5				



Article Code	Connection Thread
TN03-S-01	R1/2"



Article Code	Connection Thread
TN03-S-02	R1/2"



Article Code	Connection Thread
TN03-S-03	R1/2"



Article Code	Connection Thread
TN03-S-04	R1/2"



Article Code	Connection Thread
TN03-S-05	M30 x 1.5



Article Code	Connection Thread	Gauge Thread
TN03-S-06	M30 x 1.5	M10 x 1-12.5

Available bulb temperature:

Orange	57°C
Red	68°C
Yellow	79°C
Green	93°C
Blue	141°C

Fire extinguisher cabinets



TN04-A-01



TN04-A-03A



TN04-A-02



TN04-A-04



TN04-A-02A



TN04-A-05



TN04-A-03



TN04-A-06

Fire hose cabinets



TN04-B-01



TN04-B-03



TN04-B-01A



TN04-B-04



TN04-B-01B Stainless steel



TN04-C-10



TN04-B-02



TN04-C-10A

Fire Nozzle



TN05-IT-01



TN05-IT-02



TN05-IT-03



TN05-IT-04



TN05-IT-05



TN05-IT-06



TN05-IT-07



TN05-IT-08

Code Number	Specification
TN05-IT-01	M56 × 4-Φ12
TN05-IT-02	M85 × 6-Φ13
TN05-IT-03	M56 × 4-Φ12
TN05-IT-04	M85 × 6-Φ13
TN05-IT-05	M56 × 4-Φ12
TN05-IT-06	M85 × 6-Φ12

Fire Hydrant



TN05-MS-01



TN05-MS-02



TN05-MS-03



TN05-MS-04



TN05-MS-05



TN05-MS-06

Fire Control Series

Fire Hydrant



TN05-MS-07



TN05-MS-08



TN05-MS-07

Code Number	Specification
TN05-MS-01	Φ 165 - 2.5" BS336
TN05-MS-02	BSPT2.5" - 2.5" BS336
TN05-MS-03	BSPT2.5" - 2.5" BS336
TN05-MS-04	4" x 2 Way (2.5" BS336) Breeching

Fire Hose

Fire Control Series



Canvas Fire Hose

- Lining: Natural rubber or PU
- Working pressure: 8, 10, 13 16bar
- Size: 1"-4"
- Color: white, red, yellow
- Length: 0-30M

PVC Layflat Hose

- Working pressure: 2-8 Bar
- Size: 1"-8"
- Color: Blue, red
- Length: 0-100M



TN11-A-02



TN11-A-04



TN11-A-05



TN11-A-06

GB14561-2003



TN11-A-03

Fire Sprinkler

Victaulic Victaulic Company



Victaulic® FireLock™ Series FL-QR

Standard Coverage, Quick Response Upright, Pendent and Recessed Pendent Sprinklers
K2.8(4.0), K4.2(6.1), K5.6(8.1), K8.0(11.5)



Product Description

Quick Response Upright Sprinklers				
SIN	V2815	V4215	V2704	V3402
ORIENTATION	UPRIGHT	UPRIGHT	UPRIGHT	UPRIGHT
K-FACTOR ¹	2.8 Imp./4.0 S.I.	4.2 Imp./6.1 S.I.	5.6 Imp./8.1 S.I.	8.0 Imp./11.5 S.I.
CONNECTION	1/2" NPT/15mm BSPT	1/2" NPT/15mm BSPT	1/2" NPT/15mm BSPT/IGS	3/4" NPT/20mm BSPT/IGS
MAX. WORKING PRESSURE	175 psi/1200 kPa	175 psi/1200 kPa	175 psi/1200 kPa cULus 250 psi/1725 kPa	175 psi/1200 kPa
GLOBE RE-DESIGNATION	GL2815	GL4215	—	—
GLOBE EQUIVALENT	—	—	GL5615	GL8118

Quick Response Pendent Sprinklers				
SIN	V2801	V4201	V2708	V3406
ORIENTATION	PENDENT	PENDENT	PENDENT	PENDENT
K-FACTOR ¹	2.8 Imp./4.0 S.I.	4.2 Imp./6.1 S.I.	5.6 Imp./8.1 S.I.	8.0 Imp./11.5 S.I.
CONNECTION	1/2" NPT/15mm BSPT	1/2" NPT/15mm BSPT	1/2" NPT/15mm BSPT/IGS	3/4" NPT/20mm BSPT/IGS
MAX. WORKING PRESSURE	175 psi/1200 kPa	175 psi/1200 kPa	175 psi/1200 kPa cULus 250 psi/1725 kPa	175 psi/1200 kPa
GLOBE RE-DESIGNATION	GL2801	GL4201	—	—
GLOBE EQUIVALENT	—	—	GL5601	GL8101

Quick Response Recessed Pendent Sprinklers				
SIN	V2801	V4201	V2708	V3406
ORIENTATION	PENDENT	PENDENT	PENDENT	PENDENT
K-FACTOR ¹	2.8 Imp./4.0 S.I.	4.2 Imp./6.1 S.I.	5.6 Imp./8.1 S.I.	8.0 Imp./11.5 S.I.
CONNECTION	1/2" NPT/15mm BSPT	1/2" NPT/15mm BSPT	1/2" NPT/15mm BSPT/IGS	3/4" NPT/20mm BSPT/IGS
MAX. WORKING PRESSURE	175 psi/1200 kPa	175 psi/1200 kPa	175 psi/1200 kPa cULus 250 psi/1725 kPa	175 psi/1200 kPa
ESCUTCHEON	Recessed	Recessed	Recessed	Recessed
GLOBE RE-DESIGNATION	GL2801	GL4201	—	—
GLOBE EQUIVALENT	—	—	GL5601	GL8101

Available Guards/Shields				
SPRINKLER	V28	V42	V27	V34
Upright			■	■
Pendent			■	■

Available Wrenches							
SPRINKLER	V56-2 Recessed	V56 Open End	V27-2 Recessed	V27 Open End	V34-2 Recessed	V34 Open End	3/16 Hex-Bit
V2815 and V4215		■					
V2707 and V2704				■			■
V3402						■	■
V2801 and V4201	■	■					
V2706 and V2708			■	■			■
V3406					■	■	■

Factory Hydrostatic Test: 100% @ 500 psi/3447 kPa/34 bar

Min. Operating Pressure: UL/FM: 7 psi/48 kPa/5 bar

VdS: 5 psi/35 kPa/.35 bar (Upright only)

Temperature Rating: See tables in section 2.0

¹ For K-Factor when pressure is measured in bar, multiply S.I. units by 10.0.

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

Certification/Listings



Upright Approvals/Listings				
SIN	V2815	V4215	V2704	V3402
Nominal K Factor Imperial	2.8	4.2	5.6	8.0
Nominal K Factor S.I. ²	4.0	6.1	8.1	11.5
Orientation	UPRIGHT	UPRIGHT	UPRIGHT	UPRIGHT
Approved Temperature Ratings F°/C°				
cULus	135°F/57°C	135°F/57°C	135°F/57°C	135°F/57°C
	155°F/68°C	155°F/68°C	155°F/68°C	155°F/68°C
	175°F/79°C	175°F/79°C	175°F/79°C	175°F/79°C
	200°F/93°C	200°F/93°C	200°F/93°C	200°F/93°C
	286°F/141°C	286°F/141°C	286°F/141°C	286°F/141°C
FM	—	—	135°F/57°C	135°F/57°C
	—	—	155°F/68°C	155°F/68°C
	—	—	175°F/79°C	175°F/79°C
	—	—	200°F/93°C	200°F/93°C
	—	—	286°F/141°C	286°F/141°C
LPCB	—	—	135°F/57°C	135°F/57°C
	—	—	155°F/68°C	155°F/68°C
	—	—	175°F/79°C	175°F/79°C
	—	—	200°F/93°C	200°F/93°C
	—	—	286°F/141°C	286°F/141°C
CE, UKCA	—	—	135°F/57°C	135°F/57°C
	—	—	155°F/68°C	155°F/68°C
	—	—	175°F/79°C	175°F/79°C
	—	—	200°F/93°C	200°F/93°C
	—	—	286°F/141°C	286°F/141°C
VdS	—	—	135°F/57°C	135°F/57°C
	—	—	155°F/68°C	155°F/68°C
	—	—	175°F/79°C	175°F/79°C
	—	—	200°F/93°C	200°F/93°C
	—	—	286°F/141°C	286°F/141°C
CCC K-ZSTZ	—	—	155°F/68°C	155°F/68°C
	—	—	175°F/79°C	175°F/79°C
	—	—	286°F/141°C	286°F/141°C

² For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.

Pendent Approvals/Listings				
SIN	V2801	V4201	V2708	V3406
Nominal K Factor Imperial	2.8	4.2	5.6	8.0
Nominal K Factor S.I. ²	4.0	6.1	8.1	11.5
Orientation	PENDENT	PENDENT	PENDENT	PENDENT
Escutcheon	Flush/Extended	Flush/Extended	Flush/Extended	Flush/Extended
Approved Temperature Ratings F°/C°				
cULus	135°F/57°C	135°F/57°C	135°F/57°C	135°F/57°C
	155°F/68°C	155°F/68°C	155°F/68°C	155°F/68°C
	175°F/79°C	175°F/79°C	175°F/79°C	175°F/79°C
	200°F/93°C	200°F/93°C	200°F/93°C	200°F/93°C
	286°F/141°C	286°F/141°C	286°F/141°C	286°F/141°C
FM	—	—	135°F/57°C	135°F/57°C
	—	—	155°F/68°C	155°F/68°C
	—	—	175°F/79°C	175°F/79°C
	—	—	200°F/93°C	200°F/93°C
	—	—	286°F/141°C	286°F/141°C
CCC K-ZSTZ	—	—	155°F/68°C	155°F/68°C
	—	—	175°F/79°C	175°F/79°C
	—	—	286°F/141°C	286°F/141°C

² For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.

NOTES

- Listings and approval as of printing.
- Where cULus Listed, Polyester and VC-250 Coatings Listed as Corrosion Resistant (V3402 with VC-250 Only)
- Where FM Approved, VC-250 Coating Approved as Corrosion Resistant
- New York City Acceptance – All UL Listed and/or FM Approved sprinklers acceptable to NYC per section 28-113 of the Administrative Code and the OTCR Rule.

Certification/Listings (Continued)

Recessed Pendent Approvals/Listings				
SIN	V2801	V4201	V2708	V3406
Nominal K Factor Imperial	2.8	4.2	5.6	8.0
Nominal K Factor S.I. ²	4.0	6.1	8.1	11.5
Orientation	PENDENT	PENDENT	PENDENT	PENDENT
Escutcheon	Recessed	Recessed	Recessed	Recessed
Approved Temperature Ratings F°/C°				
cULus	135°F/57°C	135°F/57°C	135°F/57°C	135°F/57°C
	155°F/68°C	155°F/68°C	155°F/68°C	155°F/68°C
	175°F/79°C	175°F/79°C	175°F/79°C	175°F/79°C
	200°F/93°C	200°F/93°C	200°F/93°C	200°F/93°C
	286°F/141°C	286°F/141°C	286°F/141°C	286°F/141°C
FM WITH 1/2" ADJUSTMENT ESCUTCHEON ONLY	—	—	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C
CCC K-ZSTZ	—	—	155°F/68°C 200°F/93°C 286°F/141°C	155°F/68°C 200°F/93°C 286°F/141°C

² For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.

NOTES

- Listings and approval as of printing.
- Where cULus Listed, Polyester and VC-250 Coatings Listed as Corrosion Resistant (V3402 with VC-250 Only)
- Where FM Approved, VC-250 Coating Approved as Corrosion Resistant
- New York City Acceptance – All UL Listed and/or FM Approved sprinklers acceptable to NYC per section 28-113 of the Administrative Code and the OTCR Rule.

Specifications - Material

Specifications – Material

Deflector: Bronze

Bulb Nominal Diameter: 3.0mm

Load Screw: Bronze

Pip Cap: Bronze

Spring Seal: PTFE coated Beryllium nickel alloy Frame: Brass

Lodgement Spring: Stainless steel

Installation Wrench: Ductile iron

Sprinkler Frame Finishes:

- Plain brass
- Chrome plated
- Flat black polyester painted³
- White polyester painted³
- Custom polyester painted^{3,4}
- VC-250⁵

³ Not available on the Intermediate Level Style Pendent.

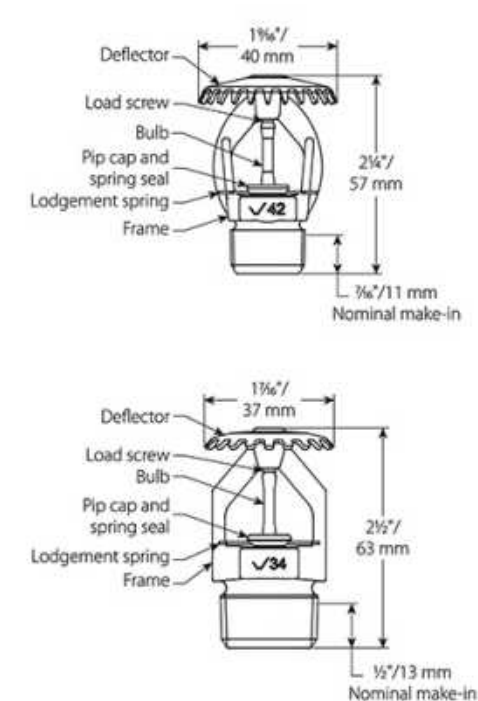
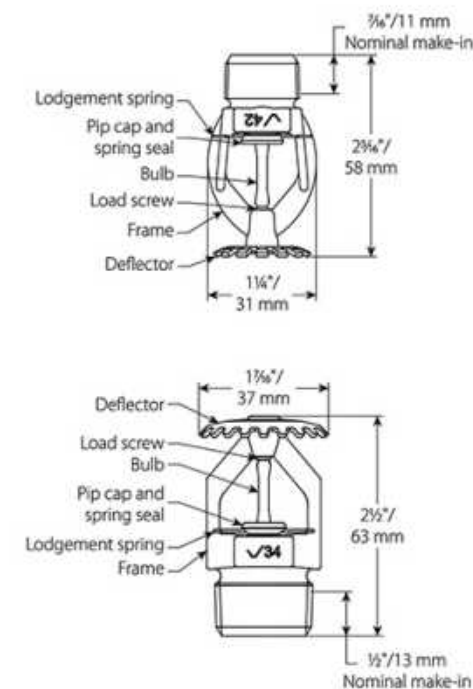
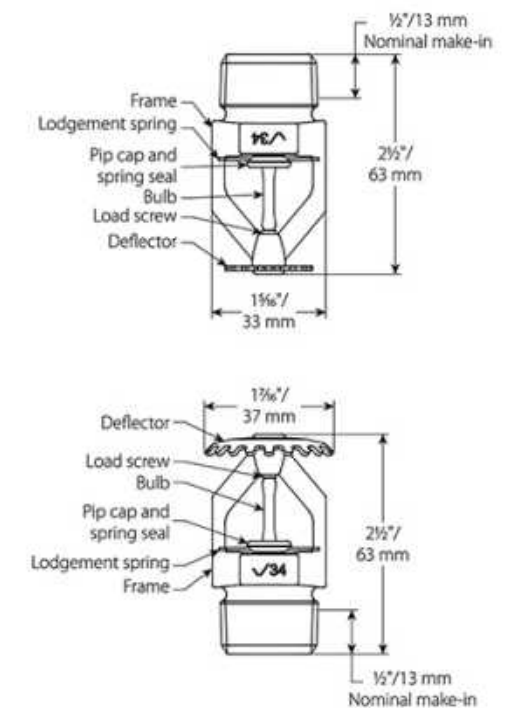
⁴ UL Listed for corrosion resistance.

⁵ UL Listed and FM Approved for corrosion resistance.

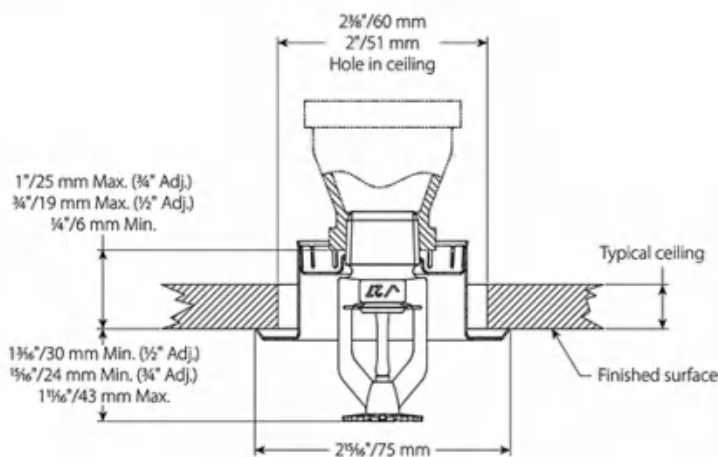
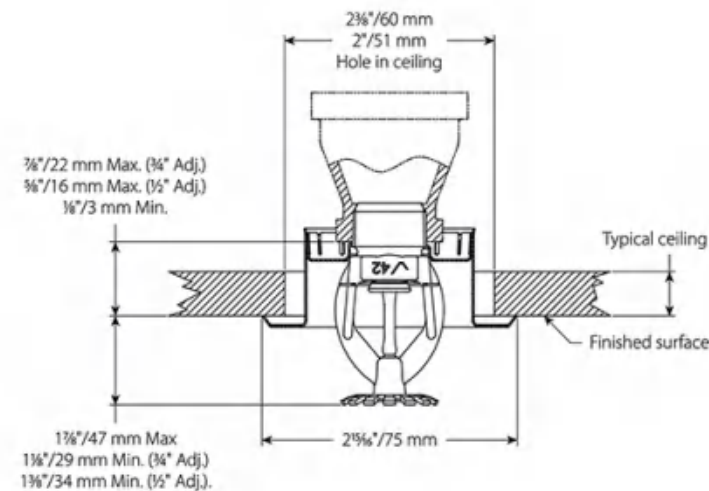
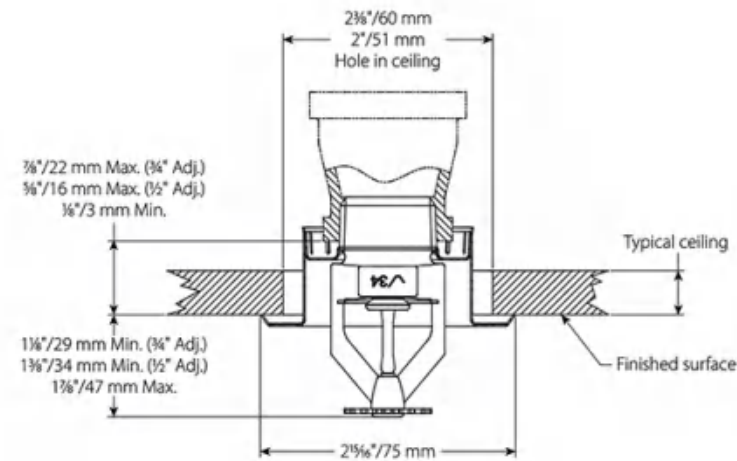
NOTE

- For cabinets and other accessories refer to separate sheet.

Fire Sprinkler



DIMENSIONS



Performance

Sprinkler is to be installed and designed as per NFPA, FM Datasheets, or any local standards.

Notifications

WARNING



- Read and understand all instructions before attempting to install any Victaulic products.
 - Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
 - Wear safety glasses, hardhat, and foot protection.
- Failure to follow these instructions could result in death or serious personal injury and property damage.

These products shall be used only in fire protection systems that are designed and installed in accordance with current, applicable National Fire Protection Association (NFPA 13, 13D, 13R, etc.) standards, or equivalent standards, and in accordance with applicable building and fire codes. These standards and codes contain important information regarding protection of systems from freezing temperatures, corrosion, mechanical damage, etc.

- The installer shall understand the use of this product and why it was specified for the particular application.
- The installer shall understand common industry safety standards and potential consequences of improper product installation.
- It is the system designer's responsibility to verify suitability of materials for use with the intended fluid media within the piping system and external environment.
- The material specifier shall evaluate the effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on materials to confirm system life will be acceptable for the intended service.

Failure to follow installation requirements and local and national codes and standards could compromise system integrity or cause system failure, resulting in death or serious personal injury and property damage.

Reference Materials

Ratings: All glass bulbs are rated for temperatures from $-67^{\circ}\text{F}/-55^{\circ}\text{C}$ to those shown in the table below.

[I-40: Victaulic FireLock™ Automatic Sprinklers Installation and Maintenance Instructions](#)

[I-V9: Style V9 Victaulic FireLock™ IGS™ Installation-Ready™ Sprinkler Coupling Installation Instructions](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

Intellectual Property Rights

No statement contained herein concerning a possible or suggested use of any material, product, service, or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Victaulic or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service, or design in the infringement of any patent or other intellectual property right. The terms "Patentec" or "Patent Pending" refer to design or utility patents or patent applications for articles and/or methods of use in the United States and/or other countries.

Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Trademarks

Victaulic and all other Victaulic marks are the trademarks or registered trademarks of Victaulic Company, and/or its affiliated entities, in the U.S. and/or other countries.