

Z45X Resilient seat gate valve

弹性座封闸阀采用特种橡胶全包裹整体式弹性阀芯结构，和一般闸阀相比不存在漏水或生锈等现象。克服了它们普遍存在的密封不良、弹性疲劳、橡胶老化及密封副磨损生锈等缺陷。充分利用弹性密封产生微量变形的补偿作用达到良好的密封效果。可广泛用于供水、石化、冶金、船舶、食品医药及能源系统等流体管路上作为调节和截流装置使用。

Resilient seated gate valves made of special rubber elasticity full wrap-piece valve structure, and the general absence of gate leakage or rust compared to other phenomena. Overcome their common seal bad, elastic fatigue, wear rubber aging and Sealing ruts and other defects. Produced by the elastic sealing full compensation of small quantities of deformation to achieve a good sealing effect. It can be widely used in water supply, petrochemical, metallurgy, shipbuilding, food, pharmaceuticals and energy systems and other fluid line is used as a regulator and shut-off devices.



产品特性 Characteristic of products

- 整体包胶：**阀芯采用高性能橡胶和最新的硫化技术进行整体包覆，贴合紧密牢固，几何尺寸精确，密封可靠，使用寿命长。
The overall package of plastic: the spool and the latest high-performance rubber vulcanization technology overall coating. laminating are tight. accurate geometry, reliable sealing and long service life.
- 重量轻：**阀体球墨铸铁材料。重量较一般闸阀减轻25%，安装维修方便；阀门最大打开高度一般闸阀低67mm-280mm，可安装在空间限制的场合。
Light weight: body ductile iron material, gate valve to reduce weight than the average 25%, easy installation and maintenance; gate valve maximum opening height is generally low 60mm ~ 280mm, can be installed where space is limited.
- 平底式阀座：**底部采用与管道相同的平底式阀座设计，不会产生杂物堆积，流道畅通无阻且密封可靠。
Flat style seat: The bottom of the pipe the same flat style seat design, does not produce debris accumulation, flow channel unimpeded and reliable sealing.
- 耐腐蚀性能：**阀门内腔采用无毒环氧树脂粉末涂装，内件采用铜合金和不锈钢可防止腐蚀和生锈。
Corrosion resistance: the valve cavity using non-toxic epoxy powder coating, inner parts mining copper alloy and stainless steel to prevent corrosion and rust.
- 三“O”密封：**阀杆上密封处采用O型圈密封，摩擦阻力小，开关轻巧不漏水。
The three 'O' seal: the use of the stem seal O-ring seals, friction is small, lightweight and watertight switch.

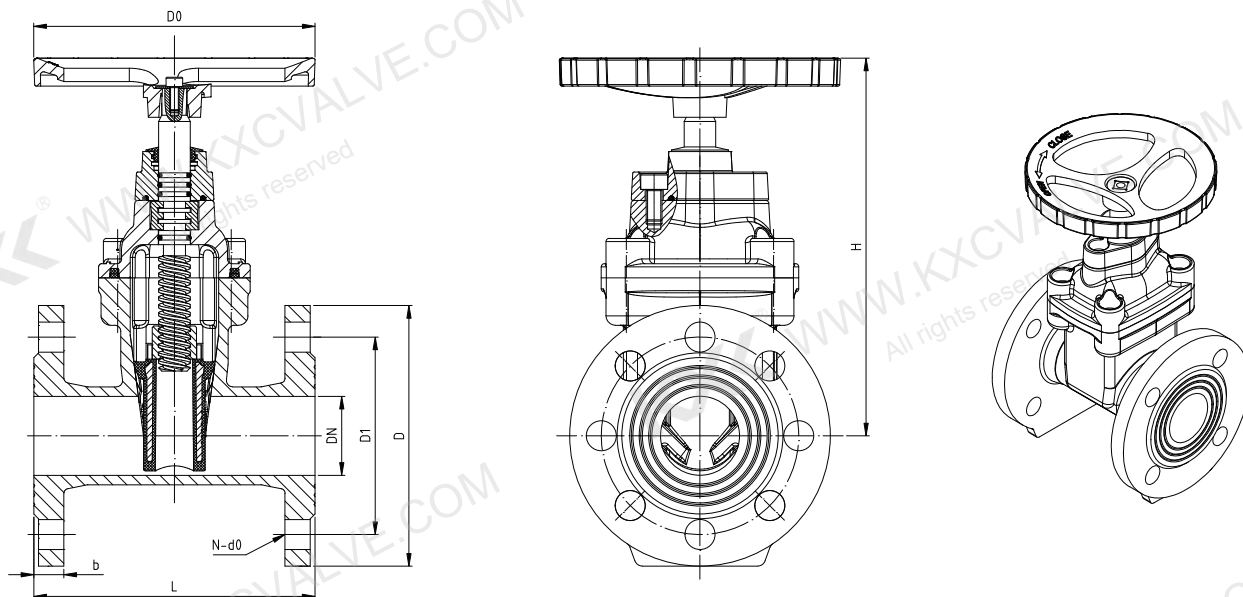
设计标准 Design standard

Design Code:	EN593, API609
Size Range:	DN40-600, NPS 1.5"-24"
Face to Face:	BS5163, DIN3202 F4, API6
End Flange:	BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E
Test inspection:	EN 12266-1, API 598

K101 软密封闸阀

K101 Resilient seat gate valve

TIAN JIN KXC METAL PRODUCTS CO., LTD
WWW.KXCVALVE.COM



SIZE		D				D1				L			H	n-d				b				D0
DN	in	10	16	25	150LB	10	16	25	150LB	DIN	BS	ASME		10	16	25	150LB	10	16	25	150LB	
50	2	165			150	125			120.7	150	178	177.8	235	4-19	4-19	4-19		19			14.3	160
65	2.5	185			180	145			139.7	170	190	190.5	265	4-19	8-19	4-19		19			15.9	160
80	3	200			190	160			152.4	180	203	203.2	290	8-19	8-19	4-19		18-19			17.5	200
100	4	220	220	235	230	180	180	190	190.5	190	229	228.6	320	8-19	8-22	8-19		18-19			22.3	200
125	5	250	250	270	255	210	210	220	215.9	200	254	254	380	8-19	8-26	8-22		18	24		22.3	260
150	6	285	285	300	280	240	240	250	241.3	210	267	266.7	40	8-23	8-26	8-22		19	24		23.9	260
200	8	340	340	360	345	295	295	310	298.5	230	292	292.1	520	8-23	12-23	12-26	8-22	20	24		27	330
250	10	405	405	425	405	350	355	370	362	250	330	330.2	630	12-23	12-28	12-30	12-26	22	27		28.6	400
300	12	460	460	485	485	400	410	430	431.8	270	356	355.6	720	12-23	12-28	16-30	12-26	24	22	27	30.2	400
350	14	520	520	555	535	460	470	490	476.3	290	381	381	800	16-23	16-28	16-33	16-29	25	30		33.4	465
400	16	580	580	620	595	515	525	550	539.8	310	406	406	850	16-28	16-31	16-36	16-29	28	33		35	465
450	18	640	640		635	565	585		577.9	330	432	432	1000	20-28	20-31		16-32	29			38.1	465
500	20	715	715		700	620	650		635	350	457	457.2	1200	20-28	20-31		20-32	31			41.3	630
600	24	840	840		815	725	770		749.3	390	508	508	1350	20-31	20-38		20-35	33			46.1	630

H and D0 are only for reference, actual dimension may be a little different.

主要性能参数 Performance specification

公称压力 Nominal pressure	公称通径 Nominal diameter	试验压力 Test pressure		工作温度	适用介质
PN(Mpa)	DN(mm)	壳体 Shell	密封 Seal		
1.0	40-600	1.5	1.1	≤80℃	清水、源水、污水、 空气、油品 Water、Source Water、 Sewage、Air、Oil
1.6		2.4	1.76		
2.5		3.8	2.75		

Z45X large-size Resilient seat gate valve



大口径闸阀采用最优质的球墨铸铁或碳钢铸造而成，具有强度高、置量轻，几何尺寸精确的特点，闸板具有互换的功能，加装螺旋伞齿轮省力机构。一人可非常轻松自如地开关，也可根据用户的要求加装开闭指示柱，或电动、气动执行机构。密封、防锯功能极佳，安全可靠，使用寿命长。可立式卧式安装。广泛用于给排水系统、污水处理系统、市政建设及矿山、冶金、电厂等行业。

Large diameter gate valve with the most high quality ductile Iron or carbon steel casting, with high strength, light weight, precise geometrical characteristics, the gate has interchangeable functions, the installation of spiral bevel gears, a person can be very easy to switch, but also according to the user's requirements to open a closed indicator column, or electric, pneumatic actuator. excellent sealing and anti rust function, safe and reliable, long service life. Vertical horizontal installation. Widely used in water supply and drainage system, sewage treatment system, municipal construction and mining, metallurgy, power plant and other industries.

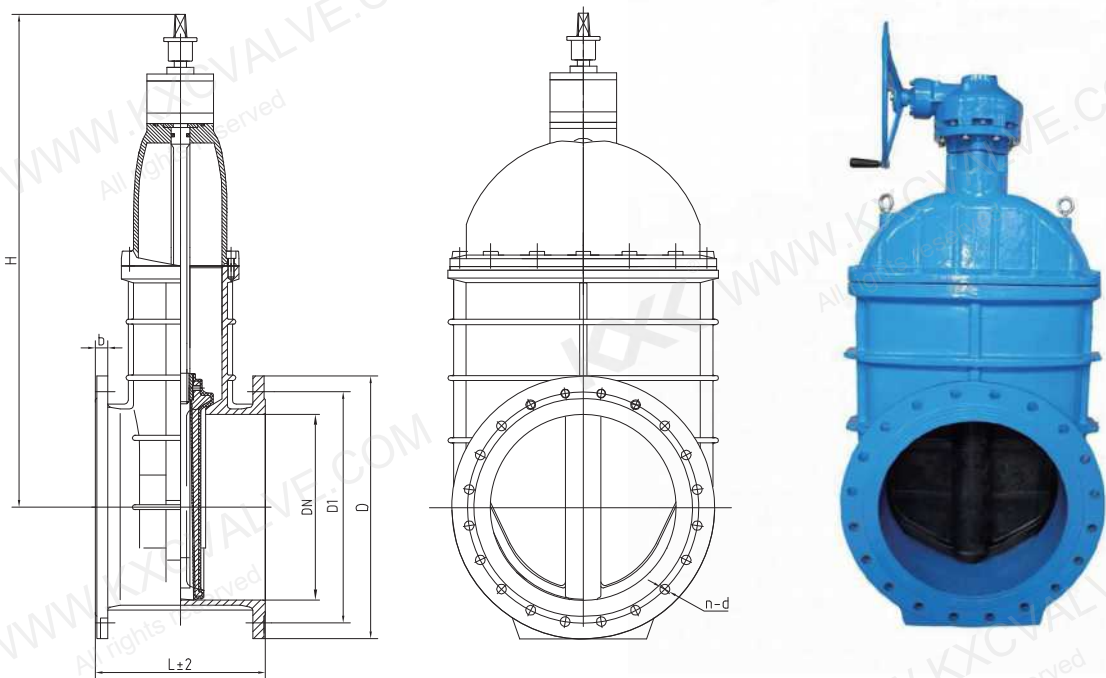
产品特性 Characteristic of products

- 整体包胶：**阀芯采用高性能橡胶和最新的硫化技术进行整体包覆，贴合紧密牢固，几何尺寸精确，密封可靠，使用寿命长。
Integral encapsulation: The valve core adopts high-performance rubber and the latest vulcanization technology for overall encapsulation, tight and firm fit, accurate geometric dimensions, reliable sealing and long service life.
- 平底式阀座：**底部采用与管道相同的平底式阀座设计，不会产生杂物堆积，流道畅通无阻且密封可靠。
Flat-bottomed seat: The bottom adopts the same flat-bottomed seat design as the pipeline, which will not accumulate debris, and the flow path is unobstructed and reliable
- 耐腐蚀性能：**阀门内腔采用无毒环氧树脂粉末涂装，内件采铜合金和不锈钢可防止腐蚀和生锈。
Corrosion resistance: The inner cavity of the valve is coated by non-toxic epoxy resin powder, and the internal parts are made of copper alloy and stainless steel to prevent corrosion and rust.
- 三“O”密封：**阀杆上密封处采用O型圈密封，摩擦阻力小，开关轻巧不漏水。
The three 'O' seals: The stem seal is sealed with an O-ring, with low friction resistance, and the switch is light and water-proof.

设计标准 Design standard

Design Code:	EN593, API609
Size Range:	DN600-1200, NPS 1.5"-24"
Face to Face:	BS5163, DIN3202 F4, API6
End Flange:	BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E
Test inspection:	EN 12266-1, API 598

K101 软密封闸阀
K101 Resilient seat gate valve



SIZE		D		D1		L		H	n-d		b	
DN	in	10	16	10	16	DIN	BS		10	16	10	16
600	24	840	840	725	770	390	508	1350	20-31	20-38	33	
700	28	895	910	840	840	430	610	1390	24-30	24-36	32	40
800	32	1015	1025	950	950	470	660	1520	24-34	24-40	35	43
900	36	1115	1125	1050	1050	510	711	1980	28-34	28-40	36	46
1000	40	1230	1255	1160	1170	550	811	2090	28-37	28-43	40	50
1200	48	1455	1485	1380	1390	630	1015	2540	32-40	32-49	45	57

H are only for reference, actual dimension may be a little different.

主要性能参数 Performance specification

公称压力 Nominal pressure	公称通径 Nominal diameter	试验压力 Test pressure		工作温度	适用介质
PN(Mpa)	DN(mm)	壳体 Shell	密封 Seal		
1.0	600-1200	1.5	1.1	≤80℃	清水、源水、污水、 空气、油品 Water、Source Water、 Sewage、Air、Oil
1.6		2.4	1.76		



DIN STANDARD GATE VALVE

Standard: DIN3352 F4



Economic

Body	DI/GGG50
Bonnet	DI/GGG50
Disc	DI+EPDM
Stem	STEEL C45#
Nut	DI/GGG50
Weight (DN100)	11KG



Common

Body	DI/GGG50
Bonnet	DI/GGG50
Disc	DI+EPDM
Stem	STEEL C45#
Nut	DI/GGG50
Weight (DN100)	14KG



Standard

Body	DI/GGG50
Bonnet	DI/GGG50
Disc	DI+EPDM
Stem	SS420
Nut	BRASS
Weight (DN100)	17KG



Optimal

Body	DI/GGG50
Bonnet	DI/GGG50
Disc	DI+EPDM
Stem	SS420
Nut	BRASS
Weight (DN100)	20KG



DIN F5 PN10/16

Body	Bonnet	Disc	Stem	Nut	Weight(DN100)
DI/GGG50	DI/GGG50	DI+EPDM	SS420	BRASS	24KG

BS STANDARD GATE VALVE

Standard: BS5163



Economic

Body	DI/GGG50
Bonnet	DI/GGG50
Disc	DI+EPDM
Stem	STEEL C45#
Nut	DI/GGG50
Weight (DN100)	11KG



Common

Body	DI/GGG50
Bonnet	DI/GGG50
Disc	DI+EPDM
Stem	SS420
Nut	BRASS
Weight (DN100)	14KG



Standard

Body	DI/GGG50
Bonnet	DI/GGG50
Disc	DI+EPDM
Stem	SS420
Nut	BRASS
Weight (DN100)	17KG



Optimal

Body	DI/GGG50
Bonnet	DI/GGG50
Disc	DI+EPDM
Stem	SS420
Nut	BRASS
Weight (DN100)	20KG



PRESSURE: PN25

Body	Bonnet	Disc	Stem	Nut	Weight(DN100)
DI/GGG50	DI/GGG50	DI+EPDM	SS420	BRASS	24KG



ANSI STANDARD GATE VALVE Standard: DIN3352 F4



Body	Bonnet	Disc	Stem	Nut	Weight(DN100)
DI/GGG50	DI/GGG50	DI+EPDM	SS420	BRASS	24KG

OTHER GATE VALVES



Brass Bonnet Gate Valve

Body	DI/GGG50
Bonnet	BRASS
Disc	DI+EPDM
Stem	STEEL C45#/SS420
Nut	DI/GGG50/BRASS
Weight (DN100)	11/14/17/20KG



Stainless Steel Gate Valve

Body	SS304
Bonnet	BRASS
Disc	DI+EPDM
Stem	SS420
Nut	BRASS
Weight (DN100)	21KG

Z41X OS&Y Gate Valve

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产品特性 Characteristic of products

1. 整体包胶：阀芯采用高性能橡胶和最新的硫化技术进行整体包覆，贴合紧密牢固，几何尺寸精确，密封可靠，使用寿命长。
The overall package of plastic: the spool and the latest high-performance rubber vulcanization technology overall coating. laminating are tight. accurate geometry, reliable sealing and long service life.
2. 平底式阀座：底部采用与管道相同的平底式阀座设计，不会产生杂物堆积，流道畅通无阻且密封可靠。
Flat style seat: The bottom of the pipe the same flat style seat design, does not produce debris accumulation, flow channel unimpeded and reliable sealing.
3. 耐腐蚀性能：阀门内腔采用无毒环氧树脂粉末涂装，内件采用铜合金和不锈钢可防止腐蚀和生锈。
Corrosion resistance: the valve cavity using non-toxic epoxy powder coating, inner parts mining copper alloy and stainless steel to prevent corrosion and rust.
4. 三“O”密封：阀杆上密封处采用O型圈密封，摩擦阻力小，开关轻巧不漏水。
The three 'O' seal: the use of the stem seal O-ring seals, friction is small, lightweight and watertight switch.

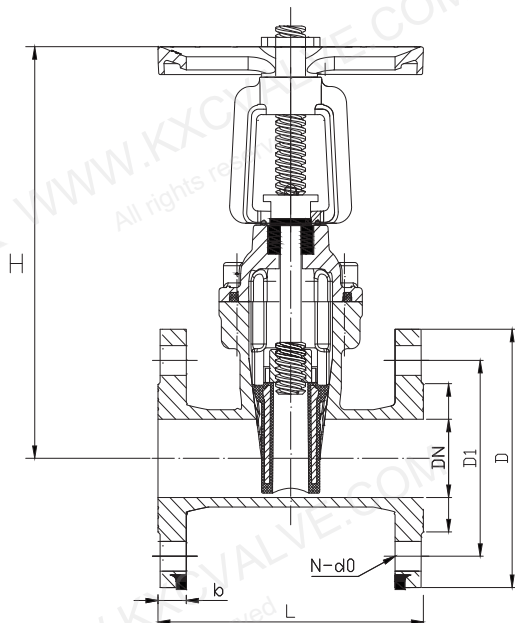
设计标准 Design standard

Design Code:	EN593, API609
Size Range:	DN40-600, NPS 1.5"-24"
Face to Face:	BS5163, DIN3202 F4, API6
End Flange:	BS 4504 PN6/PN10/PN16, DIN2501 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E
Test inspection:	EN 12266-1, API 598

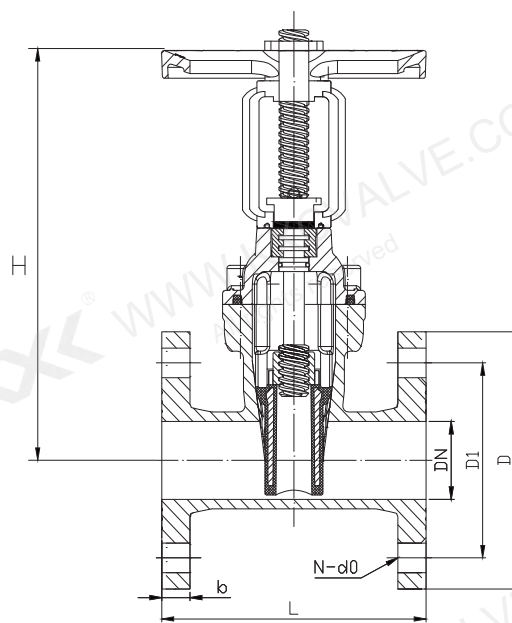
K102 明杆软密封闸阀

K102 Rising stem resilient seat gate valve

TIAN JIN KXC METAL PRODUCTS CO., LTD
WWW.KXCVALVE.COM



PN10/16/25



150LB

SIZE		D				D1				L			H		n-d				b				Ø
DN	in	10	16	25	150LB	10	16	25	150LB	DIN	BS	ASME	10/16	150LB	10	16	25	150LB	10	16	25	150LB	
50	2	165			150	125			120.7	150	178	177.8	290	295	4-19		4-19	4-19	19			14.3	160
65	2.5	185			180	145			139.7	170	190	190.5	325	325	4-19		8-19	4-19	19			15.9	160
80	3	200			190	160			152.4	180	203	203.2	365	365	8-19		8-19	4-19	18-19			17.5	200
100	4	220	220	235	230	180	180	190	190.5	190	229	228.6	425	425	8-19		8-22	8-19	18-19			22.3	200
125	5	250	250	270	255	210	210	220	215.9	200	254	254	510	510	8-19		8-26	8-22	18	24		22.3	260
150	6	285	285	300	280	240	240	250	241.3	210	267	266.7	580	580	8-23		8-26	8-22	19	24		23.9	260
200	8	340	340	360	345	295	295	310	298.5	230	292	292.1	740	740	8-23	12-23	12-26	8-22	20	24	27		330
250	10	405	405	425	405	350	355	370	362	250	330	330.2	895	895	12-23	12-28	12-30	12-26	22	27		28.6	400
300	12	460	460	485	485	400	410	430	431.8	270	356	355.6	1055	1055	12-23	12-28	16-30	12-26	24	22	27	30.2	400
350	14	520	520	555	535	460	470	490	476.3	290	381	381	1170		16-23	16-28	16-33	16-29	25	30		33.4	465
400	16	580	580	620	595	515	525	550	539.8	310	406	406	1350		16-28	16-31	16-36	16-29	28	33		35	465
450	18	640	640		635	565	585		577.9	330	432	432			20-28	20-31		16-32	29			38.1	465
500	20	715	715		700	620	650		635	350	457	457.2	1740		20-28	20-31		20-32	31			41.3	630
600	24	840	840		815	725	770		749.3	390	508	508			20-31	20-38		20-35	33			46.1	630

H only for reference, actual dimension may be a little different.

主要性能参数 Performance specification

公称压力 Nominal pressure	公称通径 Nominal diameter	试验压力 Test pressure		工作温度	适用介质
PN(Mpa)	DN(mm)	壳体 Shell	密封 Seal		
1.0	40-600	1.5	1.1	≤80℃	清水、源水、污水、 空气、油品 Water、Source Water、 Sewage、Air、Oil
1.6		2.4	1.76		
2.5		3.8	2.75		

产品简介 Product Introduction



Non-rising stem metal seat gate valve

硬密封铸铁闸阀一种广泛应用于石油化工, 火力发电厂等油品、水蒸气管路上作接通或截断管路中介质的启闭装置的阀门。这种阀门结构紧凑、设计合理, 阀门刚性好, 通道流畅, 流阻系数小。该类阀门采用柔性石墨填料, 密封可靠, 操作轻便灵活; 密封面采用不锈钢和硬质合金, 使用寿命长; 驱动方式分手动、电动、气动和齿轮传动。

Metal seat cast iron gate valve is one kind of equipment which can be widely used on oil and steam pipelines in petrochemical plant and coal-fired power plants to connect or truncate the medium in pipelines. This valve has the advantage of compact structure, reasonable design, good rigidity, smooth channel and small flow resistance coefficient. This kind of valve adopts flexible graphite packing to make seal reliably, operate portably and flexibly. Stainless steel and hard alloy seat to make service life longer. The driveway can be classified into manual, electric, pneumatic and gear transmission.

设计标准 Design standard

Design Code: EN1171, EN1074, ASME B16.1

Size Range: DN40-1200, NPS 1.5"-48"

Face to Face: BS5163, DIN3202 F4, API609

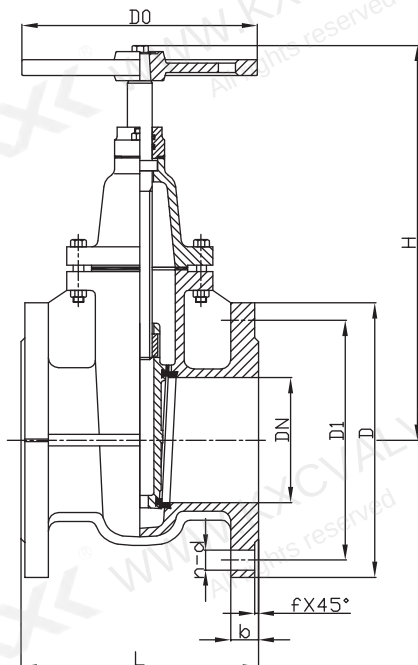
End Flange: DIN2501 PN6/PN10/PN16, BS 4504 PN6/PN10/PN16, ISO 7005 PN6/PN10/PN16, JIS 5K/10K/16K, ASME B16.1 125LB, ASME B16.1 150LB, AS 2129 Table D and E, BS10 Table D and E

Test inspection: EN 12266-1, API 598

主要性能参数 Performance specification

公称压力 Nominal pressure	公称通径 Nominal diameter	试验压力 Test pressure		工作温度	适用介质
PN(Mpa)	DN(mm)	壳体 Shell	密封 Seal		
1.0	40-1200	1.5	1.1	≤80℃	清水、源水、污水、 空气、油品 Water、Source Water、 Sewage、Air、Oil
1.6		2.4	1.76		
2.5		3.8	2.75		

主要外形及连接尺寸 Main external and connection dimension



名称 Name	材料 Material
阀体 Body	灰铸铁 Cast Iron, 球墨铸铁 Ductile Iron
阀板 Disc	灰铸铁 Cast Iron, 球墨铸铁 Ductile Iron
阀杆 Stem	不锈钢 Stainless steel
密封圈 Sealing ring	黄铜 Brass
O型圈 O-ring	EPDM/NBR
阀盖 Bonnet	灰铸铁 Cast Iron, 球墨铸铁 Ductile Iron

SIZE		D				D1				L			H	n-d				b				D0
DN	in	10	16	25	150LB	10	16	25	150LB	DIN	BS	ANSI		10	16	25	150LB	10	16	25	150LB	
50	2	165			150	125			120.7	150	178	177.8	235	4-19		4-19	4-19	19		14.3	160	
65	2.5	185			180	145			139.7	170	190	190.5	265	4-19		8-19	4-19	19		15.9	160	
80	3	200			190	160			152.4	180	203	203.2	290	8-19		8-19	4-19	18-19		17.5	200	
100	4	220	220	235	230	180	180	190	190.5	190	229	228.6	320	8-19		8-22	8-19	18-19		22.3	200	
125	5	250	250	270	255	210	210	220	215.9	200	254	254	380	8-19		8-26	8-22	18	24	22.3	260	
150	6	285	285	300	280	240	240	250	241.3	210	267	266.7	40	8-23		8-26	8-22	19	24	23.9	260	
200	8	340	340	360	345	295	295	310	298.5	230	292	292.1	520	8-23	12-23	12-26	8-22	20	24	27	330	
250	10	405	405	425	405	350	355	370	362	250	330	330.2	630	12-23	12-28	12-30	12-26	22	27	28.6	400	
300	12	460	460	485	485	400	410	430	431.8	270	356	355.6	720	12-23	12-28	16-30	12-26	24	22	27	30.2	400
350	14	520	520	555	535	460	470	490	476.3	290	381	381	800	16-23	16-28	16-33	16-29	25	30	33.4	465	
400	16	580	580	620	595	515	525	550	539.8	310	406	406	850	16-28	16-31	16-36	16-29	28	33	35	465	
450	18	640	640		635	565	585		577.9	330	432	432	1000	20-28	20-31		16-32	29		38.1	465	
500	20	715	715		700	620	650		635	350	457	457.2	1200	20-28	20-31		20-32	31		41.3	630	
600	24	840	840		815	725	770		749.3	390	508	508	1350	20-31	20-38		20-35	33		46.1	630	

H and D0 are only for reference, actual dimension may be a little different.