

Soft sealing gate valve



Overview

For a long time, the general gate valves used in the market have water leakage or rust phenomenon. Our enterprise introduces the soft sealing gate valve produced with European high-tech rubber and valve manufacturing technology, which overcomes the defects of poor sealing, elastic fatigue, rubber aging and rust of general gate valve. The soft sealing gate valve uses the elastic valve plate to produce slight elastic deformation compensation, achieving good sealing effect. The valve has significant advantages of light opening and closing, reliable sealing, good elastic memory and long service life. It can be widely used in fluid pipelines of tap water, sewage, construction, petroleum, chemical engineering, food, medicine, textile, electric power, ships, metallurgy, energy systems, as a regulation and shutoff device.

Features

Light weight: The body is made of advanced nodular cast iron, with the weight of about 20%-30% less than that of the traditional gate valve, which is convenient for installation and maintenance.

valve seat: The traditional gate valve often fails to be closed tightly to generate water leakage due to foreign matters, such as stone, wood, cement, scrap iron, debris and other deposition in the groove at the bottom of the valve after washing the pipe with water. The soft sealing gate valve bottom uses the same flat-bottomed design as the pipeline. Overall encapsulation: The valve adopts high-quality rubber for the inside and outside encapsulation. The first-class rubber vulcanization technology in Europe makes the vulcanized valve ensure accurate geometric dimension, and rubber and nodular cast iron valves have strong adhesive force to achieve good elastic memory without disengagement.

Precision casting valve body: Valve body uses precision casting, with precise geometric dimension allowing the inside of the valve body to ensure good sealing of the valve without any finishing.

Embedded copper nut: The copper nut and soft sealing valve are of embedded connection, making them closely integrated. There is no looseness or damage due to vibration caused by water flow.

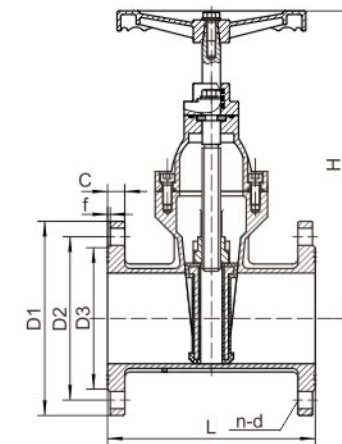
Anti-corrosion: The valve body adopts powder epoxy resin coating, to prevent corrosion and rust of the valve body, and it can be used for sewage system.

Not easily broken: In the past, the traditional cast iron gate valve is easy to be cracked resulting from foreign object hit, collision or pressure. As the body uses nodular cast iron, this situation has been greatly reduced.

Three "O"-shaped seal rings: On account of that the valve rod adopts three "O"-shaped seal rings, it can reduce the frictional resistance during opening and closing, and greatly reduce the water leakage. The seal ring can be replaced without water supply shutoff.

Be conducive to drinking without boiling: On account of that the inside of the valve body is coated with non-toxic epoxy resin, and the inner and outer surfaces of the valve are completely covered with rubber, there will not be rust water or corrosion. Therefore, the water can be drunk without boiling.

Soft sealing gate valve (non-rising rod)



Performance specification table

Nominal pressure		PN10	PN16	MPa
Test pressure	Shell strength	1.5	2.4	
	Liquid high-pressure sealing	1.1	1.76	
	Air low-pressure sealing	0.6	0.6	
Medium temperature		-10-80℃		
Applicable medium		Clean water, etc.		

Materials of main parts

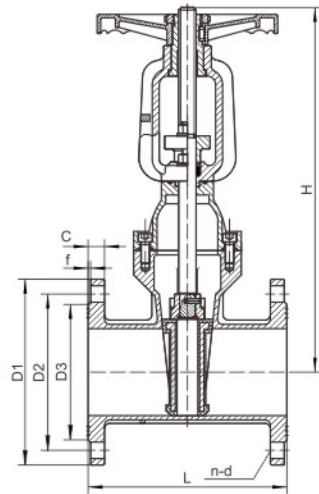
Valve body	Nodular cast iron
Bonnet	Nodular cast iron
Valve rod	Chromium stainless steel
Gate plate	Nodular cast iron and nitrile rubber
Packing gland	Nodular cast iron
Drive mode	Manual, bevel gear, electric

Main boundary dimension

Unit: mm

DN	D1		D2		D3		L	C		f	n-d		H
	PN10	PN16	PN10	PN16	PN10	PN16		PN10	PN16		PN10	PN16	
50	165	165	125	125	99	99	178	19	19	3	4-Φ19	4-Φ19	240
65	185	185	145	145	118	118	190	19	19	3	4-Φ19	4-Φ19	270
80	200	200	160	160	132	132	203	19	19	3	8-Φ19	8-Φ19	285
100	220	220	180	180	156	156	229	19	19	3	8-Φ19	8-Φ19	310
125	250	250	210	210	184	184	254	19	19	3	8-Φ19	8-Φ19	375
150	285	285	240	240	211	211	267	19	19	3	8-Φ23	8-Φ23	420
200	340	340	295	295	266	266	292	20	20	3	8-Φ23	12-Φ23	530
250	395	405	350	355	319	319	330	22	22	3	12-Φ23	12-Φ28	640
300	445	460	400	410	370	370	356	24.5	24.5	4	12-Φ23	12-Φ28	730
350	505	520	460	470	429	429	381	24.5	26.5	4	16-Φ23	16-Φ28	850
400	565	580	515	525	480	480	406	24.5	28	4	16-Φ28	16-Φ31	950
450	615	640	565	585	530	548	432	25.5	30	4	20-Φ28	20-Φ31	1100
500	670	715	620	650	582	609	457	26.5	31.5	4	20-Φ28	20-Φ34	1200
600	780	840	725	770	682	720	508	30	36	5	20-Φ31	20-Φ37	1390
700	895	910	840	840	794	794	610	32.5	39.5	5	24-Φ31	24-Φ37	1550
800	1015	1025	950	950	901	901	660	35	43	5	24-Φ34	24-Φ40	1750
900	1115	1125	1050	1050	1001	1001	711	37.5	46.5	5	28-Φ34	28-Φ40	1950
1000	1230	1255	1160	1170	1112	1112	811	40	50	5	28-Φ37	28-Φ43	2170

Soft sealing gate valve (rising rod)



Materials of main parts

Nominal pressure		PN10	PN16	
Test pressure	Shell strength	1.5	2.4	MPa
	Liquid high-pressure sealing	1.1	1.76	
	Air low-pressure sealing	0.6	0.6	
Medium temperature		-10-80℃		
Applicable medium		Clean water, etc.		

Materials of main parts

Valve body	Nodular cast iron
Bonnet	Nodular cast iron
Valve rod	Chromium stainless steel
Gate plate	Nodular cast iron and nitrile rubber
Support	Nodular cast iron
Packing gland	Nodular cast iron
Drive mode	Manual, bevel gear, electric

Main boundary dimension

Unit: mm

DN	D1		D2		D3		L	C		f	n-d		The center height H when it is fully closed	The center height H when it is fully opened
	PN10	PN16	PN10	PN16	PN10	PN16		PN10	PN16		PN10	PN16		
50	165	165	125	125	99	99	178	19	19	3	4-Φ19	4-Φ19	300	350
65	185	185	145	145	118	118	190	19	19	3	4-Φ19	4-Φ19	315	380
80	200	200	160	160	132	132	203	19	19	3	8-Φ19	8-Φ19	380	460
100	220	220	180	180	156	156	229	19	19	3	8-Φ19	8-Φ19	420	520
125	250	250	210	210	184	184	254	19	19	3	8-Φ19	8-Φ19	510	635
150	285	285	240	240	211	211	267	19	19	3	8-Φ23	8-Φ23	565	715
200	340	340	295	295	266	266	292	20	20	3	8-Φ23	12-Φ23	700	900
250	395	405	350	355	319	319	330	22	22	3	12-Φ23	12-Φ28	845	1095
300	445	460	400	410	370	370	356	24.5	24.5	4	12-Φ23	12-Φ28	1000	1300
350	505	520	460	470	429	429	381	24.5	26.5	4	16-Φ23	16-Φ28	-	-
400	565	580	515	525	480	480	406	24.5	28	4	16-Φ28	16-Φ31	-	-
450	615	640	565	585	530	548	432	25.5	30	4	20-Φ28	20-Φ31	-	-
500	670	715	620	650	582	609	457	26.5	31.5	4	20-Φ28	20-Φ34	-	-
600	780	840	725	770	682	720	508	30	36	5	20-Φ31	20-Φ37	-	-

Locking gate valve

The locking valve refers to the valve consisting of valve body, valve element, valve rod and the locking mechanism. It is suitable for the double pipe heat supply system with household metering. The valve is installed on the main water inlet pipe of each household. The flow value of the user can be set manually according to the actual needs of the user, and the flow value can be locked to balance the heat distribution of the heating network and control the overall temperature of each household, prevent the waste of heat and achieve the purpose of energy saving. For households which do not need heating, the hot water to the households can be cut off through the locking valve, which plays a role of energy saving, and the locking valve must be opened with a key, so that the heat supply unit can charge the heating fees and eliminate the situation of using heat without paying.

The locking mechanism is a valve rod connected to the valve element in the locking hole of the valve body. The valve rod is equipped with a spring, a pawl and a ratchet lock cap. The valve body is of three-way, with one-way of a bypass cap. The valve element also has three through holes corresponding to the valve body. The ratchet lock cap is tightened after adjusting the position of the valve element. The user cannot open the valve. It has the reversing and locking functions. For the heating and water supply systems, one set is installed in each household to control the supply and shutoff. It can achieve effective control on account of that it cannot be opened without damage.



Closable theft-proof gate valve



I.Product name: Encrypted theft-proof soft-sealing gate valve (mechanical)

Product model: FDZ45X-10/16 flange connection FDZ15X-10/16 thread connection

II.Product name: Closable theft-proof gate valve

Product model: KGZ45X-10/16 flange connection KGZ15X-10/16 thread connection

Product features:

The product looks like general valve, only the hidden clutch device is installed in the valve rod. When necessary, unscrew the bolts for fixing the hand wheel, insert the special key into the bolt hole to adjust the clutch state, and then operate the hand wheel to open or close the valve until the operation is completed, and then screw on the bolt to fix the hand wheel. The product is mysterious because it looks exactly like an ordinary valve.

Closable, when the theft-proof gate valve is locked, it can only be closed, and cannot be opened.

The product is a fully mechanical device, and can achieve self-locking when it is opened and closed to any position. It is simple in operation, durable, not easy to damage, excellent in anti-theft effect, and cannot be opened without special key. It is installed on tap water pipelines, heating pipelines or other pipelines in the community, which can effectively avoid theft and is very convenient for management.

Technical parameters:

Nominal pressure	1.0MPa(10kgf/cm ²)	1.6MPa(16kgf/cm ²)
Inside nominal diameter	15~500mm	15~500mm
Sealing test pressure	1.1MPa(11kgf/cm ²)	1.76MPa(17.6kgf/cm ²)
Strength test pressure	1.5MPa(15kgf/cm ²)	2.4MPa(24kgf/cm ²)
Applicable temperature	≤120°C	<120°C
Applicable medium	Water, oil, water heating and other non-corrosive liquid	Water, oil, water heating and other non-corrosive liquid
Drive mode	Manual	Manual

We can also provide products with special technical parameters according to customers' requirements

Manufacturing specification:

The structure length of the flange connection gate valve is subject to GB/T12221-2005 short series standard. Valve connection dimension is subject to GB/T17241.6-2008. The pressure test is subject to GB/T13927-2008. The structure length of the thread connection gate valve is subject to GB/T12221-2005. The internal thread connection valve is of N6 series, with the thread connection dimension subject to GB/T7307 and 7306.

Soft sealing gate valve with lock



Magnetic encrypted theft-proof sealing gate valve

Soft sealing gate valve with lock

I.Product name: Magnetic encrypted theft-proof soft sealing gate valve

Product model: CFZ45X-10/16

Product features:

The magnet part of the product is made of permanent magnet materials, with novel overall appearance and simple operation. The valve will idle when there is no special hand wheel. The product has no lock hole, is anti-blocking, durable, not easy to damage, and excellent in anti-theft effect. The valve cannot be opened and closed without a special hand wheel. It can be installed on tap water pipelines, heating pipelines or other pipelines in the community, which can effectively avoid theft and is very convenient for management.

II.Product name: Soft sealing gate valve with lock

Product model: DSZ45X-10/16

Product features:

There is a locking device on the valve. Each valve can be opened and closed with the same key or different keys. It is simple in operation, convenient in use, and can strongly prevent the private open and close of the valve. The valve is installed on tap water pipelines or other pipelines, which can effectively avoid theft.

Technical parameters:

Nominal pressure	1.0MPa(10kgf/cm ²)	1.6MPa(16kgf/cm ²)
Inside nominal diameter	32~500mm	32~500mm
Sealing test pressure	1.1MPa(11kgf/cm ²)	1.76MPa(17.6kgf/cm ²)
Strength test pressure	1.5MPa(15kgf/cm ²)	2.4MPa(24kgf/cm ²)
Applicable temperature	≤120°C	≤120°C
Applicable medium	Water, oil, water heating and other non-corrosive liquid	Water, oil, water heating and other non-corrosive liquid
Drive mode	Manual	Manual

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Special wrench locking valve



I.Product name: Special hand wheel anti-theft gate valve

Product model: SLZ45X-10/16 flange connection SLZ15X-10/16 thread connection

Product features:

The product looks like general valve. It has mechanical and magnetic combination of anti-theft device, novel appearance, it is simple in operation, and it can be opened and closed with special hand wheel. The valve cannot be opened without the hand wheel. Due to the adoption of double theft prevention design, the product has good theft prevention effect. The valve cannot be opened or closed without the special hand wheel. It can be installed on tap water pipelines, heating pipelines or other pipelines in the community, which can effectively avoid theft and is very convenient for management. Similarly, only the hidden clutch device is installed in the valve rod. When necessary, unscrew the bolts for fixing the hand wheel, insert the special key into the bolt hole to adjust the clutch state, and then operate the hand wheel to open or close the valve until the operation is completed, and then screw on the bolt to fix the hand wheel. The product is mysterious because it looks exactly like an ordinary valve.

II.Product name: Special wrench locking valve

Product model: SBZ45X-10/16

Product features:

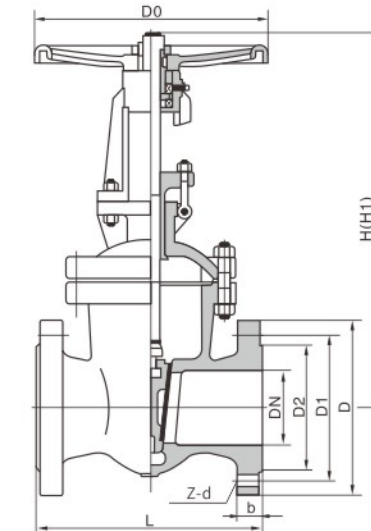
The valve can only be opened and closed with a special wrench, with the features of simple operation, easy use and durability. It can prevent others from opening and closing the valve without permission. It can be installed on tap water pipelines or other pipelines, which can effectively avoid theft.

Technical parameters:

Nominal pressure	1.0MPa(10kgf/cm ²)	1.6MPa(16kgf/cm ²)
Inside nominal diameter	15~500mm	15~500mm
Sealing test pressure	1.1MPa(11kgf/cm ²)	1.76MPa(17.6kgf/cm ²)
Strength test pressure	1.5MPa(15kgf/cm ²)	2.4MPa(24kgf/cm ²)
Applicable temperature	≤120°C	<120°C
Applicable medium	Water, oil, water heating and other non-corrosive liquid	Water, oil, water heating and other non-corrosive liquid
Drive mode	Manual	Manual

We can also provide products with special technical parameters according to customers' requirements

Hard sealing gate valve



Product execution standard

Design specification	Structure length	Connecting flange	Test and inspection	Pressure-temperature	Products identification
GB/T12234	GB/T12221	GB/T9113	JB/T9092, GB/T26480	GB/T12224	GB/T12220

Test pressure

Nominal pressure PN (MPa)	Shell	Test pressure (MPa)		Upper seal
		Sealing (liquid)	Sealing (gas)	
1.6	2.4	1.8	0.6	1.8
2.5	3.8	2.8	0.6	2.8
4.0	6.0	4.4	0.6	4.4
6.4	9.6	7.04	0.6	7.04
10.0	15.0	11.0	0.6	11.0
16.0	24.0	18.0	0.6	18.0

Applicable medium and temperature

Shell material	Applicable medium	Applicable temperature °C
Carbon steel (type C)	Water, steam, oil	-29~425
Chrome-nickel-titanium steel (type P)	Nitric acid	≤200
Chrome-nickel-molybdenum-titanium steel (type R)	Acetic acid	≤200
Chrome-molybdenum steel (type I)	Water, steam, oil	≤550

Materials of main parts

Valve body and valve cover	Valve plate and seat	Valve rod	Valve rod nut	Padding	Hand wheel
Carbon steel	High-quality carbon steel + hard alloy or stainless steel	Chromium stainless steel	Manganese brass	Flexible graphite	Malleable cast iron
Chrome-nickel-titanium steel	Stainless steel, stainless steel + hard alloy	Chrome-nickel-titanium stainless steel	Manganese brass	PTFE	Malleable cast iron
Chrome-nickel-molybdenum-titanium steel	Stainless steel, stainless steel + hard alloy	Chrome-nickel-molybdenum-titanium stainless steel	Manganese brass	PTFE	Malleable cast iron
Chrome-molybdenum steel + hard alloy	Chromium-molybdenum steel	Chrome-molybdenum-vanadium steel	Aluminum bronze	Flexible graphite	WCB

Hard sealing gate valve

Main boundary and connection dimensions

Unit: mm

Inside nominal diameter DN	L	D	D1	D2	b	f	Z-d	H	H1	Do
Z40H Z41Y -16	Z40 Z41 Y-16P	Z40 Z41 Y-16R	Z40 Z41 W-16P	Z40 Z41 W-16R	Z40 Z41 Y-16I	(KZ41Y)				
15	130	95	65	46	14	2	4-14	220	240	120
20	150	105	75	56	16	2	4-14	255	284	140
25	160	115	85	65	16	2	4-14	275	303	160
32	180	140	100	76	18	2	4-18	280	321	180
40	200	150	110	84	18	2	4-18	300	352	200
50	250	165	125	99	20	2	4-18	358	438	240
65	270	185	145	118	20	2	4-18	375	450	240
80	280	200	160	132	20	2	8-18	438	528	280
100	300	220	180	156	22	2	8-18	502	620	320
125	325	250	210	184	22	2	8-18	612	753	360
150	350	285	240	211	24	2	8-23	676	847	360
200	400	340	295	266	24	2	12-22	820	1039	400
250	450	405	355	319	26	2	12-26	969	1245	450
300	500	460	410	370	28	2	12-26	1142	1472	560
350	550	520	470	429	30	2	16-26	1280	1450	640
400	600	580	525	480	32	2	16-30	1452	1887	640
450	650	640	585	548	40	2	20-30	1541	2011	720
500	700	715	650	609	44	2	20-33	1676	2181	720
600	800	840	770	720	48	2	20-36	1874	2346	800
Z40H Z41Y -25	Z40 Z41 Y-25P	Z40 Z41 Y-25R	Z40 Z41 W-25P	Z40 Z41 W-25R	Z40 Z41 Y-25I	(KZ41Y)				
15	130	95	65	46	14	2	4-14	220	240	120
20	150	105	75	56	16	2	4-14	255	284	140
25	160	115	85	65	16	2	4-14	275	303	160
32	180	140	100	76	18	2	4-18	280	321	180
40	200	150	110	84	18	2	4-18	300	352	200
50	250	165	125	99	20	2	4-18	358	438	240
65	270	185	145	118	22	2	8-18	375	450	240
80	280	200	160	132	24	2	8-18	433	528	280
100	300	235	190	156	24	2	8-22	502	620	320
125	325	270	220	184	26	2	8-26	612	753	360
150	350	300	250	211	28	2	8-26	676	847	360
200	400	360	310	274	30	2	12-26	820	1039	400
250	450	425	370	330	32	2	12-30	696	1245	450
300	500	485	430	389	34	2	16-30	1142	1472	560
350	550	555	490	448	38	2	16-33	1280	1450	640
400	600	620	550	503	40	2	16-36	1452	1887	640
450	650	670	600	548	46	2	20-36	1541	2011	720
500	700	730	660	609	48	2	20-36	1676	2181	720
600	800	845	770	720	48	2	20-39	1874	2346	800

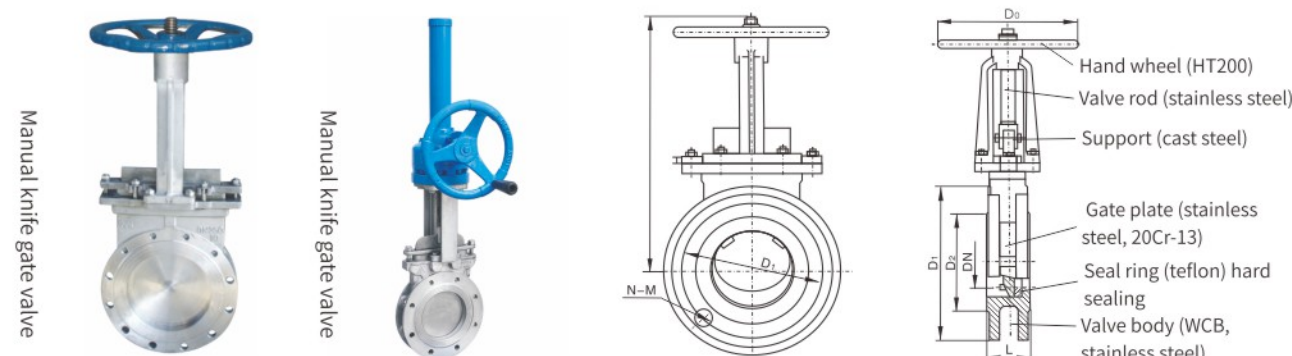
Hard sealing gate valve

Main boundary and connection dimensions

Unit: mm

Inside nominal diameter DN	L	D	D1	D2	D6	b	f	f2	Z-d	H	H1	Do
Z40H Z41Y -40	Z40 Z41 Y-40P	Z40 Z41 Y-40R	Z40 Z41 W-40P	Z40 Z41 W-40R	Z40 Z41 Y-40I	(KZ41Y)						
20	150	105	75	56	51	16	2	4	4-14	256	285	140
25	160	115	85	65	58	16	2	4	4-14	275	305	160
32	180	140	100	76	66	18	2	4	4-18	287	322	180
40	200	150	110	84	76	18	3	4	4-18	323	369	200
50	250	165	125	99	88	20	3	4	4-18	372	440	280
65	280	185	145	118	110	22	3	4	8-18	395	473	280
80	310	200	160	132	121	24	3	4	8-18	457	552	320
100	350	235	190	156	150	24	3	4.5	8-22	552	671	360
125	400	270	220	184	176	26	3	4.5	8-26	634	726	400
150	450	300	250	211	204	28	3	4.5	8-26	708	883	400
200	550	375	320	284	260	34	3	4.5	12-30	858	1086	450
250	650	450	385	345	313	38	3	4.5	12-33	1015	1298	560
300	750	515	450	409	364	42	4	4.5	16-33	1203	1535	640
350	850	580	510	465	422	46	4	5	16-36	1341	1678	640
400	950	660	585	535	474	50	4	5	16-39	1492	1903	720
Z40H Z41Y -64	Z40 Z41 Y-64P	Z40 Z41 Y-64R	Z40 Z41 W-64P	Z40 Z41 W-64R	Z40 Z41 Y-64I	(KZ41Y)						
20	190	130	90	56	51	20	2	4	4-18	258	288	180
25	210	140	100	65	58	24	2	4	4-18	310	341	200
32	230	155	110	76	66	24	2	4	4-22	320	353	200
40	240	170	125	84	76	26	2	4	4-22	360	389	240
50	250	180	135	99	88	26	2	4	4-22	372	448	280
65	280	205	160	118	110	26	2	4	8-22	395	475	280
80	310	215	170	132	121	28	2	4	8-22	458	553	320
100	350	250	200	156	150	30	2	4.5	8-26	553	679	360
125	400	295	240	184	176	34	2	4.5	8-30	638	779	400
150	450	345	280	211	204	36	2	4.5	8-33	718	893	450
200	550	415	345	284	260	42	2	4.5	12-36	873	1100	560
250	650	470	400	345	313	46	2	4.5	12-36	1053	1332	640
300	750	530	460	409	364	52	2	4.5	16-36	1203	1535	640
Z40H Z41Y -100	Z40 Z41 Y-100P	Z40 Z41 Y-100R	Z40 Z41 W-100P	Z40 Z41 W-100R	Z40 Z41 Y-100I	(KZ41Y)						
25	210	140	100	65	58	24	2	4	4-18	310	341	200
32	230	155	110	76	66	24	2	4	4-22	320	353	240
40	240	170	125	84	76	26	2	4	4-22	360	389	280
50	250	195	145	99	88	28	2	4	4-26	490	558	360
65	280	220	170	118	110	30	2	4	8-26	540	622	400
80	310	230	180	132	121	32	2	4	8-26	573	671	400
100	350	265	210	156	150	36	2	4.5	8-30	575	671	400
125	400	315	250	184	176	40	2	4.5	8-33	744	892	560
150	450	355	290	211	204	44	2	4.5	12-33	800	972	560
200	550	430	360	284	260	52	2	4.5	12-36	800	972	560
250	650	505	430	345	313	60	2	4.5	12-39	1050	1305	640
300	750	585	500	409	364	68	2	4.5	16-42	1208	1506	640
Z40H Z41Y -160	Z40 Z41 Y-160P	Z40 Z41 Y-160R	Z40 Z41 W-160P	Z40 Z41 W-160R	Z40 Z41 Y-160I	(KZ41Y)						
15	170	105	75	46	40	26	2	4	4-14	230	250	200
20	190	130	90	56	51	30	2	4	4-18	260	288	200
25	210	140	100	65	58	32	2	4	4-18	280	310	280
32	230	155	110	76	66	34	2	4	4-22	312	350	320
40	240	170	125	84	76	36	2	4	4-22	350	395	320
50	300	195	145	99	88	38	2	4	8-26	512	612	360
65	340	220	170	118	110	42	2	4	8-26	260	677	360
80	390	230	180	132	121	46	2	4	8-26	585	686	400
100	450	265	210	156	150	52	2	4.5	8-30	631	751	450
125	525	315	250	184	176	56	2	4.5	8-33	723	868	560
150	600	355	290	211	204	62	2	4.5	12-33	820	997	640
200	750	430	360	284	250	66	2	4.5	12-36	990	1224	720

Knife gate valve



Main performance range

Nominal pressure (MPa)	Test pressure (MPa)		Maximum working temperature (°C)	Applicable medium
	Shell	Sealing		
1.0	1.5	1.1	Rubber 80°C Teflon 150°C H/Y425°C	Syrup, paper pulp, sewage, coal slurry, ash, slag water mixture
1.6	2.4	1.8		

Materials of main components and part

Body and cover	Gate plate	Valve rod	Sealing surface
Stainless steel, carbon steel, gray cast iron	Carbon steel, stainless steel	Stainless steel	Rubber, teflon, stainless steel, hard alloy

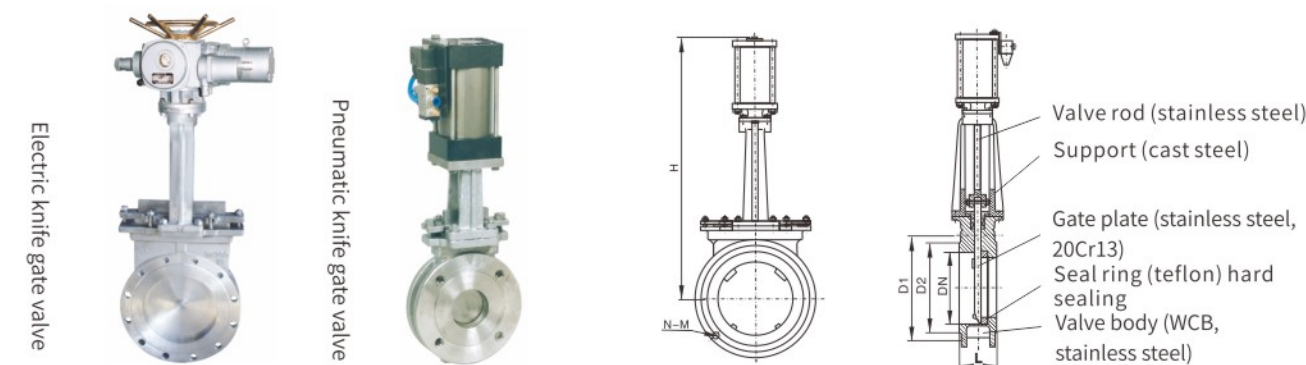
Main boundary and connection dimensions

Unit: mm

Inside nominal diameter DN	L	D	D1	D2	H	N-M	D0
PN10							
50	50	160	125	100	285	4-M16	180
65	50	180	145	120	298	4-M16	180
80	50	195	160	135	315	4-M16	220
100	50	215	180	155	365	8-M16	220
125	50	245	210	185	400	8-M16	230
150	60	280	240	210	475	8-M20	280
200	60	335	295	265	540	8-M20	360
250	70	390	350	320	630	12-M20	360
300	80	440	400	368	780	12-M20	400
350	90	500	460	428	885	16-M20	400
400	100	565	515	482	990	16-M22	400
450	120	615	565	532	1100	20-M22	530
500	130	670	620	585	1200	20-M22	530
600	140	780	725	685	1450	20-M27	600
700	165	895	840	800	1700	24-M27	600
800	190	1010	950	905	2000	24-M30	680
900	203	1110	1050	1005	2300	28-M30	680
PN16							
50	50	160	125	99	285	4-M16	180
65	50	185	145	120	295	4-M16	180
80	50	200	160	135	315	8-M16	220
100	50	220	180	155	365	8-M16	220
125	50	250	210	185	400	8-M16	230
150	60	285	240	210	475	8-M20	280
200	60	340	295	265	540	12-M20	360
250	70	405	355	310	630	12-M24	360
300	80	460	410	375	780	12-M24	400
350	90	520	470	435	885	16-M24	400
400	100	580	525	485	990	16-M27	400
450	120	640	585	545	1100	20-M27	530
500	130	715	650	609	1200	20-M30	530
600	140	840	770	720	1450	20-M33	600
700	165	910	840	788	1700	24-M33	600
800	190	1025	950	898	2000	24-M36	680
900	203	1125	1050	988	2300	28-M36	680

Note: The selection of the MPa1.6 valve is based on the above table. The flange connection dimension is based on the international standard. During the selection of the electric, spur gear and pneumatic valves, H is the height of the pneumatic and electric devices.

Knife gate valve



Main boundary and connection dimensions

Unit: mm

Inside nominal diameter DN	L	D	D1	D2	H	N-M
PN6						
50	50	140	110	90	335	4-M12
65	50	160	130	110	363	4-M12
80	50	185	150	125	395	4-M16
100	50	205	170	145	465	8-M16
125	50	235	200	175	530	8-M16
150	60	260	225	200	630	8-M16
200	60	315	280	255	750	8-M16
250	70	370	335	310	900	12-M16
300	80	435	395	362	1120	12-M20
350	90	485	445	412	1260	12-M20
400	100	535	498	462	1450	16-M20
450	120	590	550	518	1600	16-M20
500	130	640	600	568	1800	16-M20
600	140	755	705	670	2300	20-M22
PN10						
50	50	160	125	100	335	4-M16
65	50	180	145	120	363	4-M16
80	50	195	160	135	395	4-M16
100	50	215	180	155	465	8-M16
125	50	245	210	185	530	8-M16
150	60	280	240	210	630	8-M20
200	60	335	295	265	750	8-M20
250	70	390	350	320	900	12-M20
300	80	440	400	368	1120	12-M20
350	90	500	460	428	1260	16-M20
400	100	565	515	482	1450	16-M22
450	120	615	565	532	1600	20-M22
500	130	670	620	585	1800	20-M22
600	140	780	725	685	2300	20-M27
PN16						
50	50	160	125	100	335	4-M16
65	50	185	145	120	363	4-M16
80	50	200	160	135	395	8-M16
100	50	220	180	155	480	8-M16
125	50	250	210	185	540	8-M16
150	60	285	240	210	645	8-M30
200	60	340	295	265	770	12-M20
250	70	405	355	320	920	12-M22
300	80	460	410	375	1150	12-M22
350	90	520	470	435	1300	16-M22
400	100	580	525	485	1500	16-M27
450	120	640	585	545	1650	20-M27
500	130	715	650	608	1850	20-M30
600	140	840	770	718	2360	20-M36